

# MAIN CORRIDOR SOUTH OF UNION

SEATTLE DESIGN COMMISSION

OCTOBER 16<sup>TH</sup>, 2014



MAIN CORRIDOR SOUTH OF UNION

## **AGENDA**

- ① **CITY INTRODUCTION AND UPDATE ON WATERFRONT PROGRAM, BUDGET + SCHEDULE;**
- ② **SOUTH OF UNION 60% DESIGN;**
- ③ **KIOSKS 30% DESIGN.**

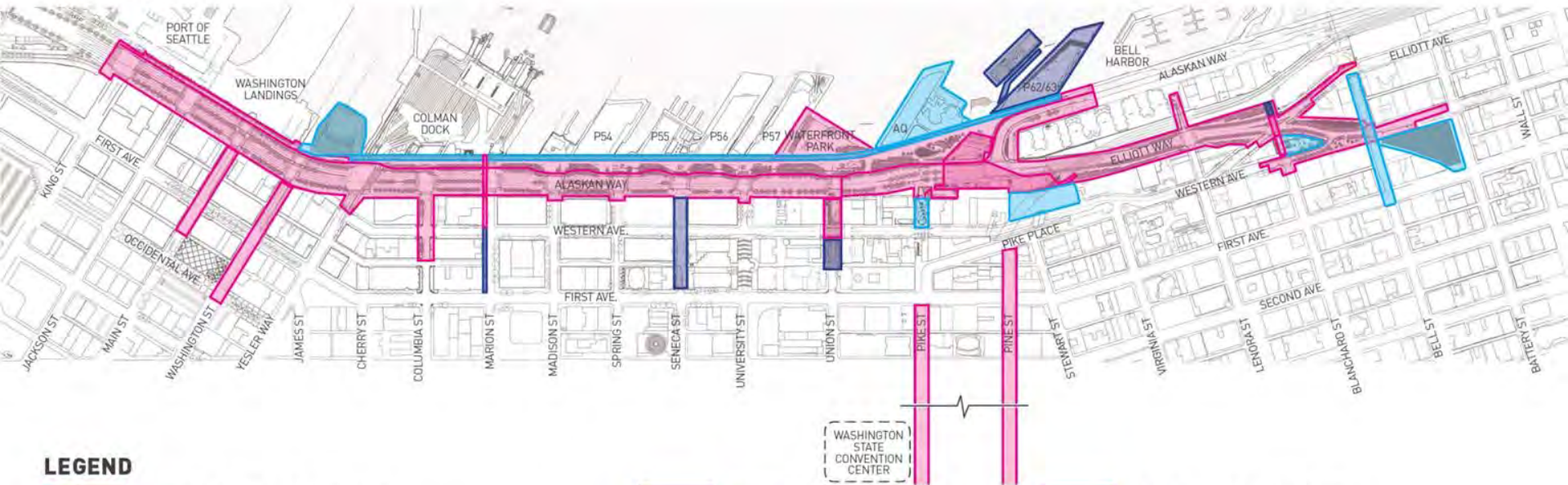
## **TOPICS FOR FUTURE SDC MEETINGS:**

- **Approach to Sustainability**
- **Approach to Tribal + Cultural Engagement**
- **Approach to Wayfinding**
- **Approach to ADA (Universal Access)**
- **Update on Public Art**



# **CITY INTRODUCTION**

MAIN CORRIDOR SOUTH OF UNION  
**PHASING APPROACH**  
 SEPTEMBER 2014



**LEGEND**



**WATERFRONT PHASE 1**

1. Alaskan Way + Cycle Track (south of Union)
1. Alaskan Way/Elliott Way + Cycle Track (north of Union)
2. Promenade
3. Overlook Walk
4. Marion Street Ped Bridge (Alaskan ROW to Western)
5. Columbia Streetscape
6. Seneca Restoration (WSDOT only)
7. Blanchard ROW
8. Lenora Street Bridge Improvement
9. Waterfront Park
10. Lower Union + Western Intersection
11. Pike Pine Improvements
12. Main + Washington Streets



**FUTURE PHASE**

1. Pier 62/63
2. Floating Dock
3. Middle Union
4. Seneca Streetscape
5. Blanchard Overlook
6. Marion Street Ped Bridge (Western to First)
7. Pool Barge



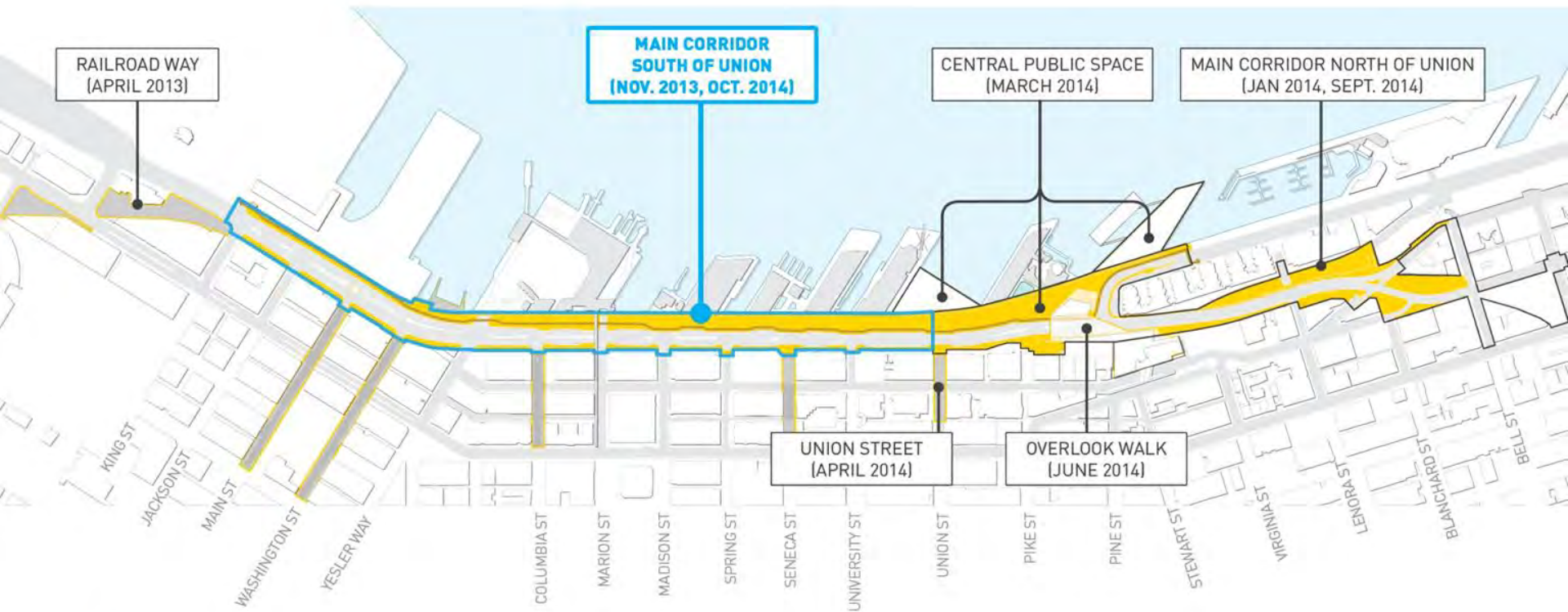
**RELATED PROJECTS**

- Seawall Related Elements
- Aquarium Expansion
- PC-1 / PPM Entrance
- Bell Street Improvements
- North Portal Site Park
- Pike Street Hill Climb Improvements
- Blanchard Opportunity Site



**MAIN CORRIDOR  
SOUTH OF UNION  
60% DESIGN**

MAIN CORRIDOR SOUTH OF UNION  
**PROJECT LIMITS**



**LEGEND**

— MAIN CORRIDOR SOUTH OF UNION





MAIN CORRIDOR SOUTH OF UNION  
**PROJECT LIMITS**  
EXISTING CONDITIONS





MAIN CORRIDOR SOUTH OF UNION  
**SCHEMATIC SITE PLAN**  
NOVEMBER 2013



**LEGEND**

- MAIN CORRIDOR
- CORE PROJECT





MAIN CORRIDOR NORTH OF UNION

## **SUMMARY OF SDC COMMENTS**

MARCH 2014

### **ACTION ITEMS**

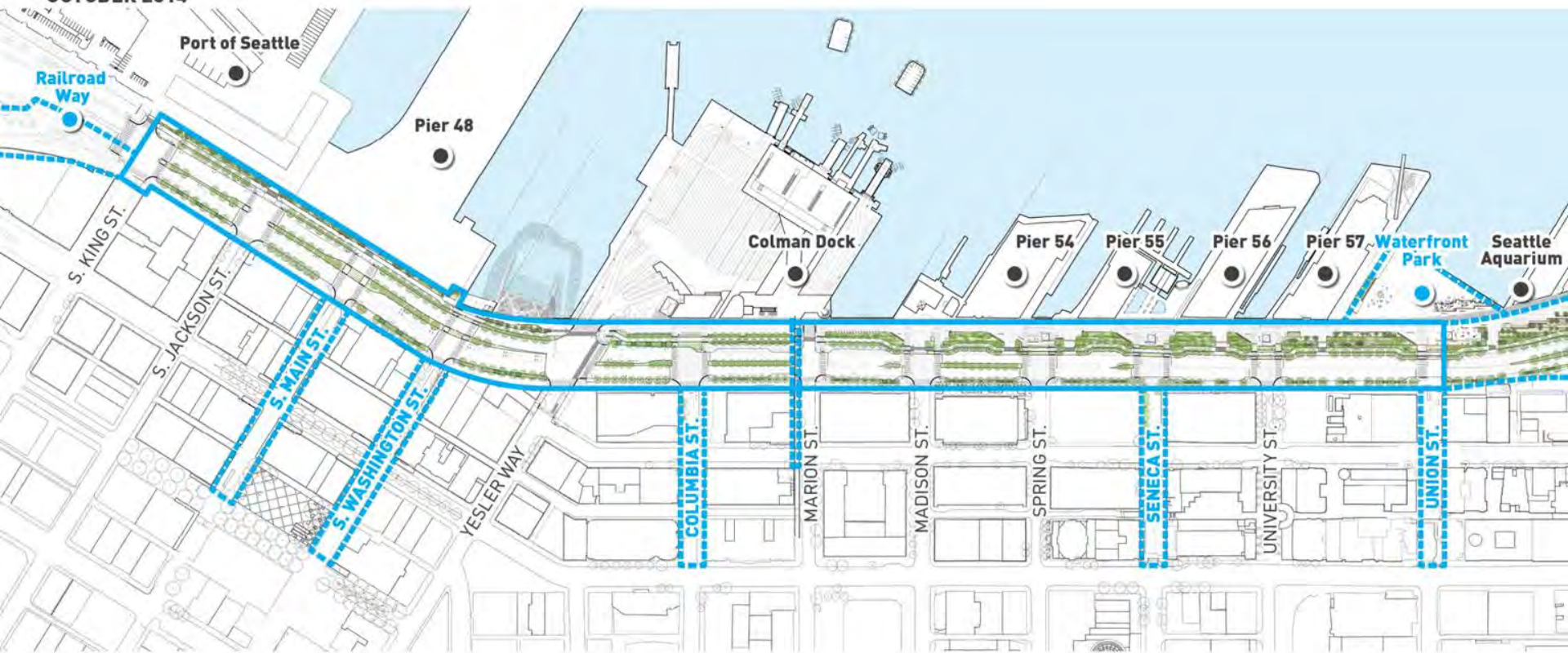
#### **Street**

- Design guidelines for east side re: activities & preservation.
- Depth of planting beds & tree pits.
- Sightlines for vehicles, cyclists and pedestrians.
- Define sustainability issues - present opportunities.

#### **Promenade**

- Relationship of kiosks to overall character - family, location, closed.
- Views looking west from higher points.
- Expression of the character of the waterfront.
- Extend richness of paving into the above-grade elements.
- Unique juncture of salt & freshwater.

MAIN CORRIDOR SOUTH OF UNION  
**CURRENT SITE PLAN**  
OCTOBER 2014



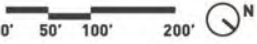
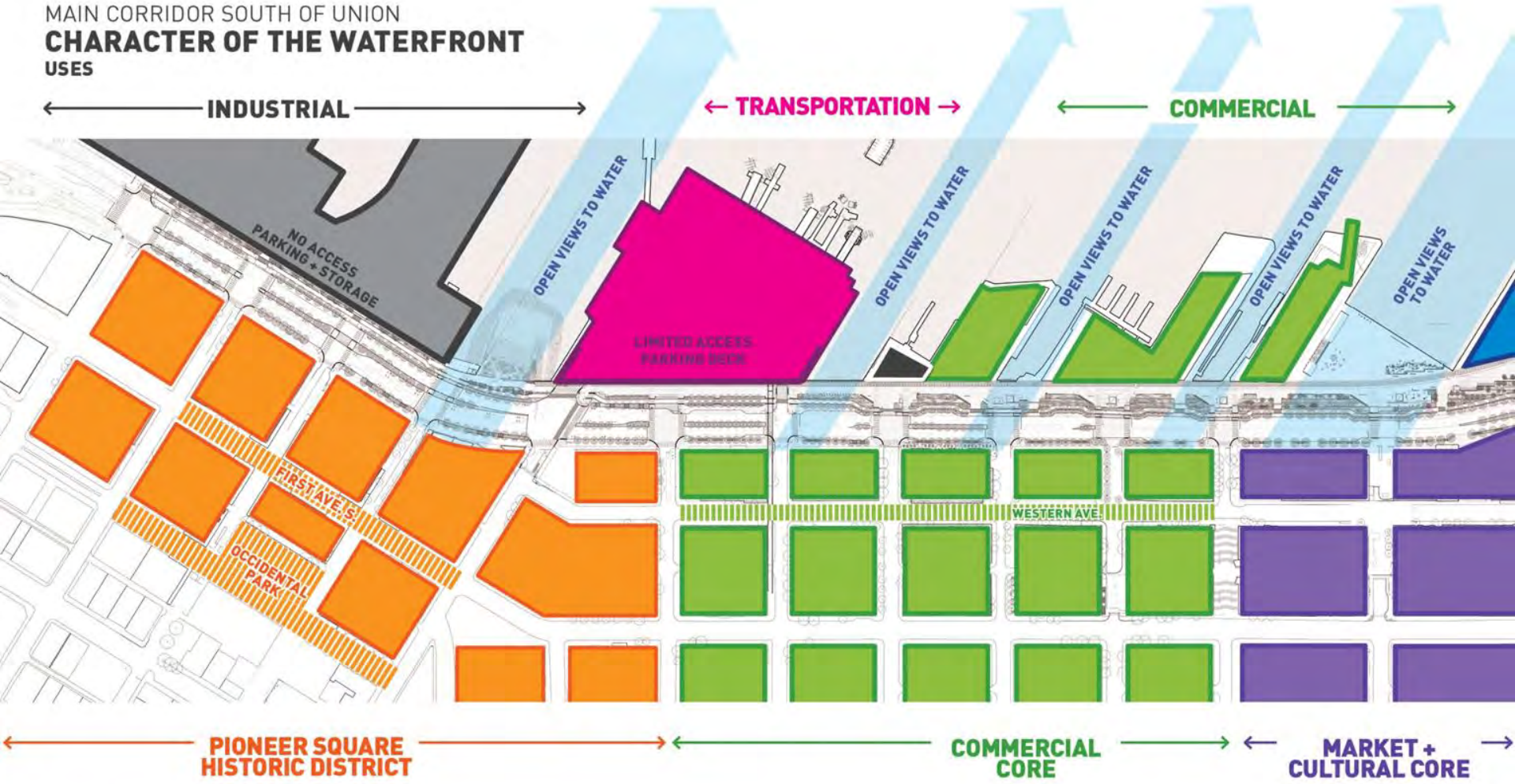
**LEGEND**

- MAIN CORRIDOR
- CORE PROJECT



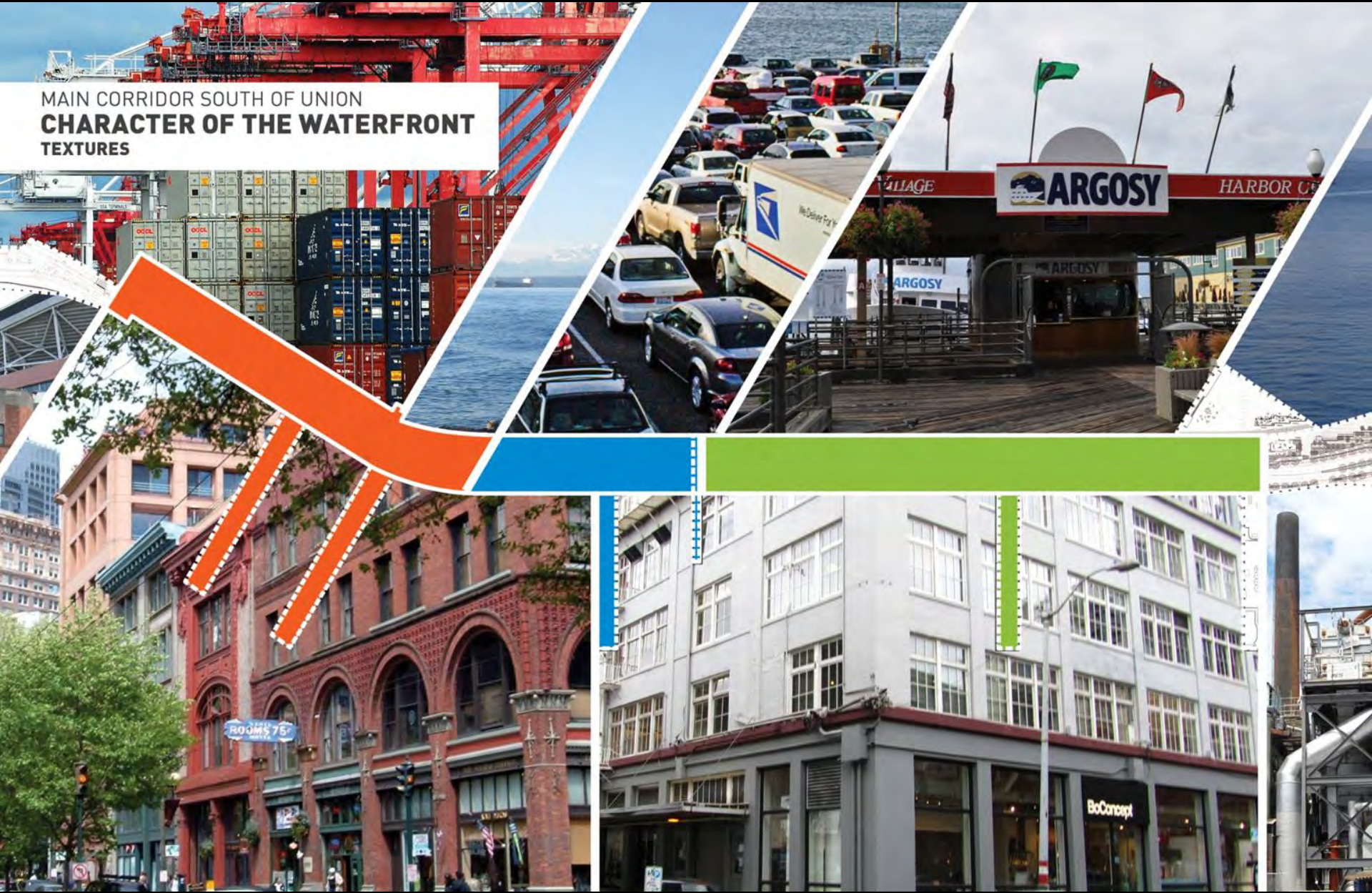


MAIN CORRIDOR SOUTH OF UNION  
**CHARACTER OF THE WATERFRONT  
USES**



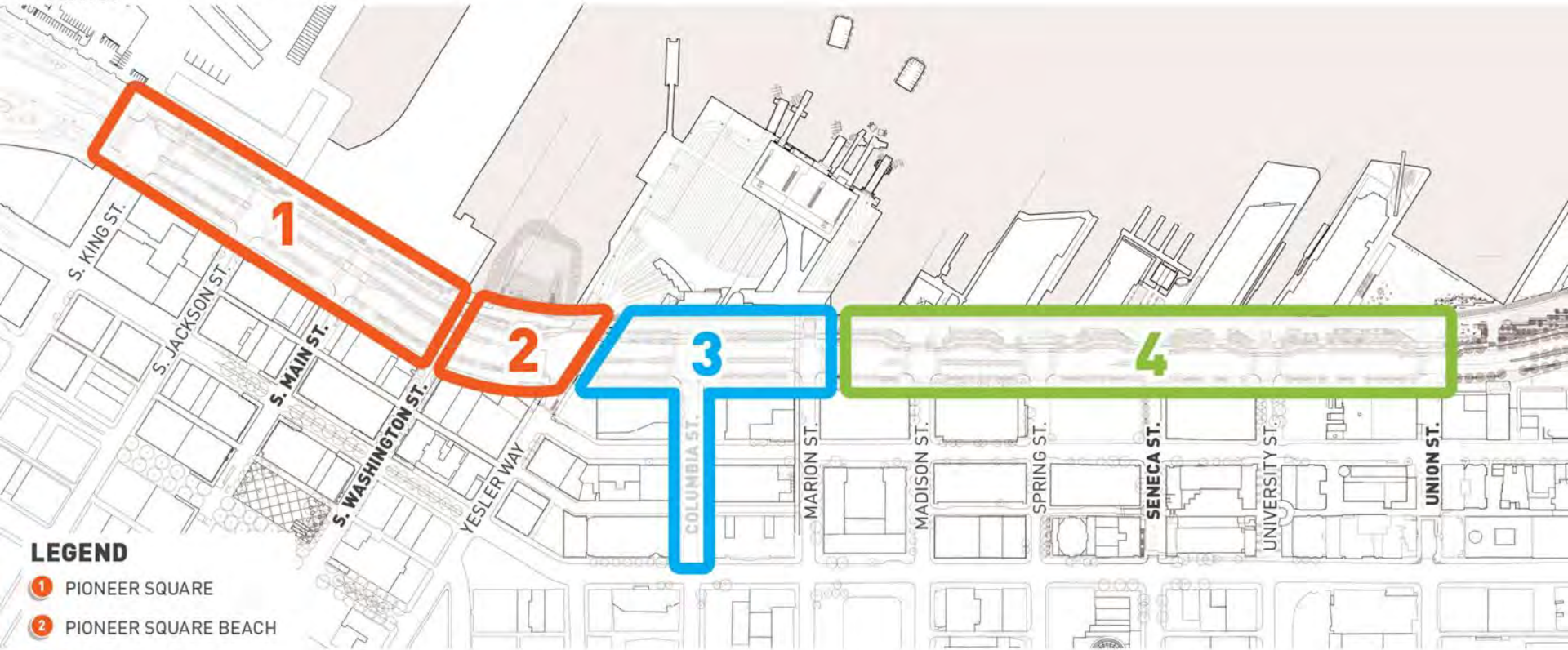


MAIN CORRIDOR SOUTH OF UNION  
**CHARACTER OF THE WATERFRONT**  
TEXTURES





MAIN CORRIDOR SOUTH OF UNION  
**60% DESIGN UPDATE**  
PLACES



**LEGEND**

- 1 PIONEER SQUARE
- 2 PIONEER SQUARE BEACH
- 3 TRANSIT HUB
- 4 HISTORIC PIERS



MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
NOVEMBER 2013



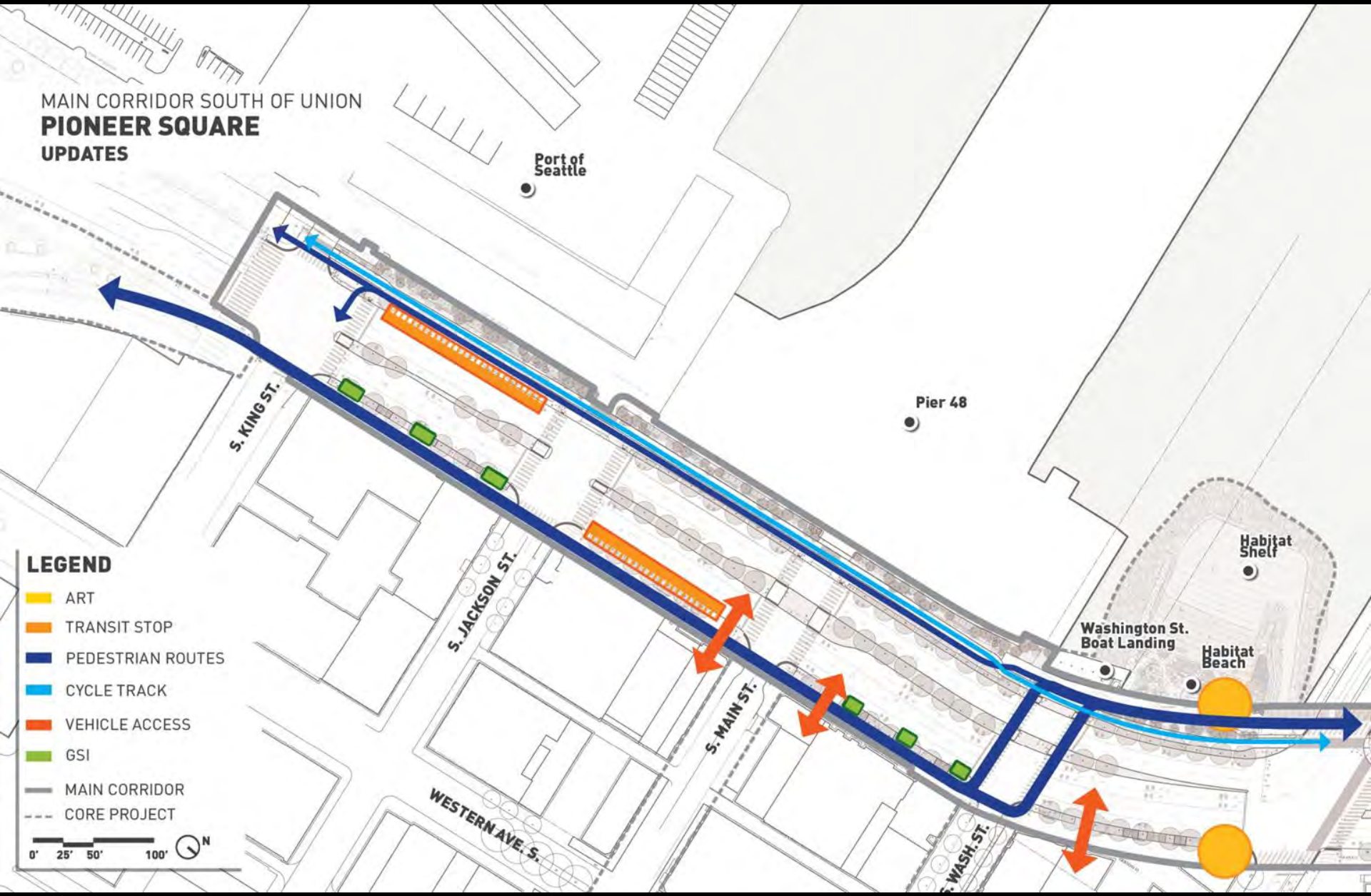


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
UPDATES

**LEGEND**

- ART
- TRANSIT STOP
- PEDESTRIAN ROUTES
- CYCLE TRACK
- VEHICLE ACCESS
- GSI
- MAIN CORRIDOR
- CORE PROJECT

0' 25' 50' 100' N



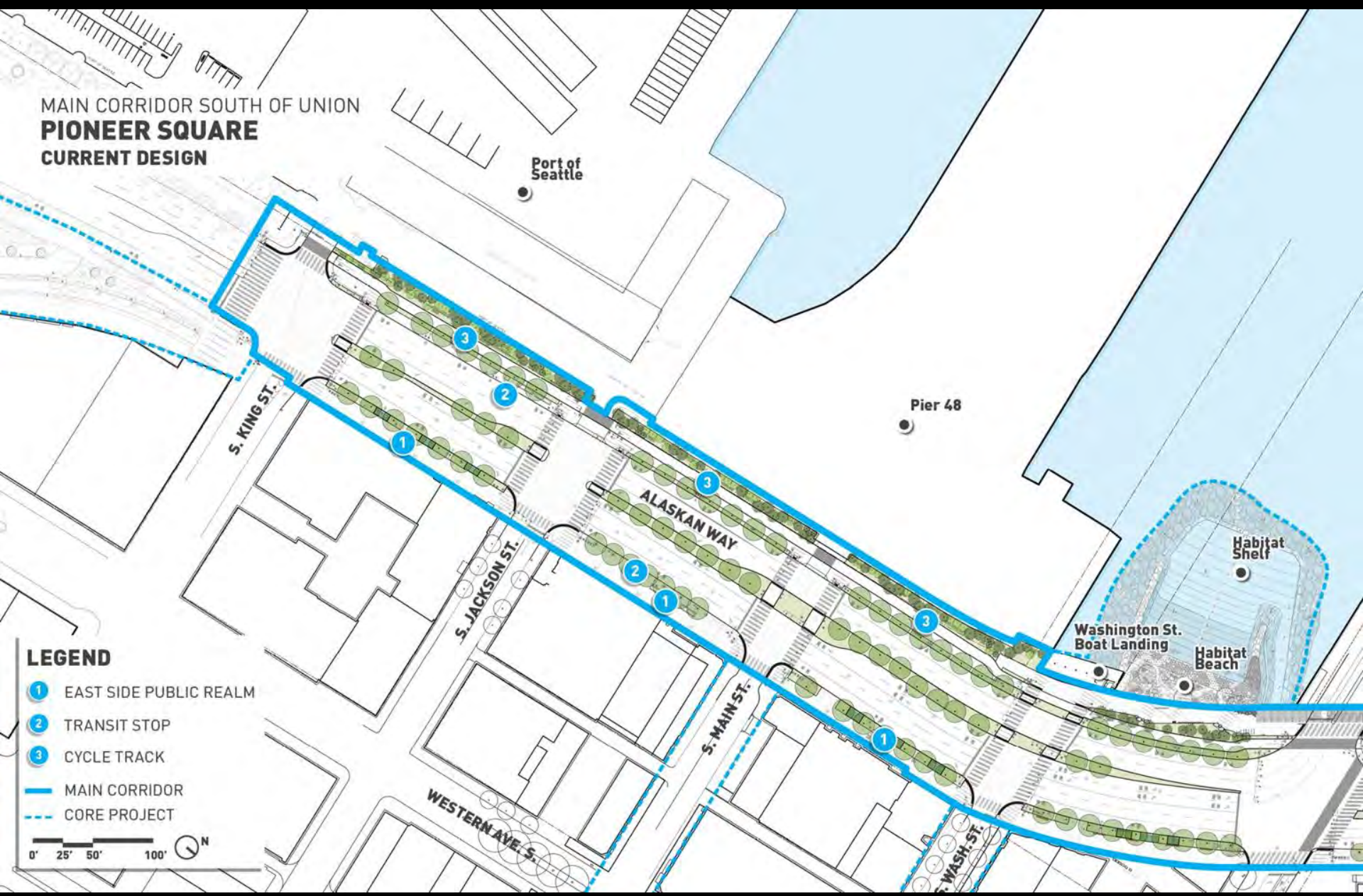


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
CURRENT DESIGN

**LEGEND**

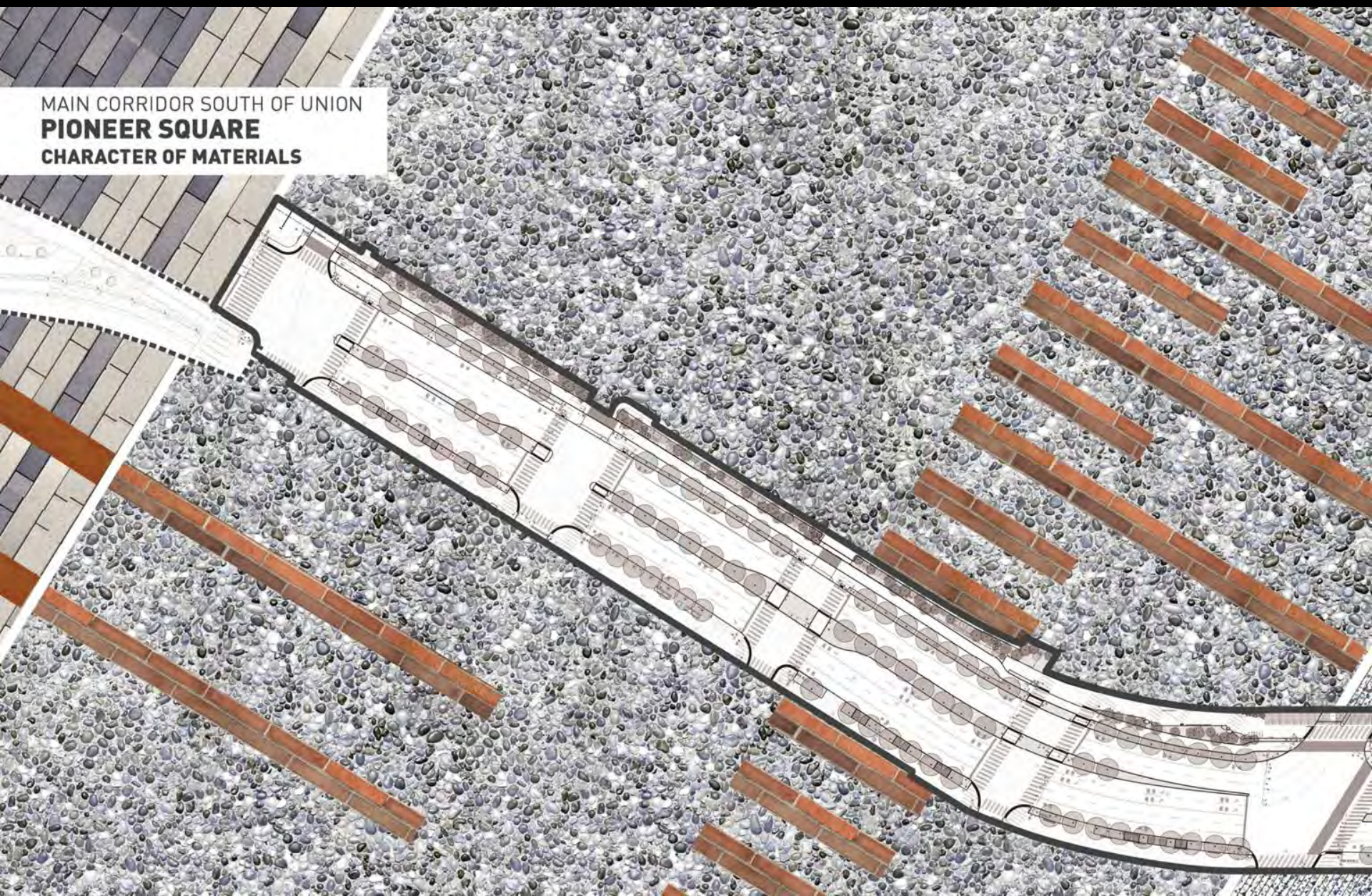
- 1 EAST SIDE PUBLIC REALM
- 2 TRANSIT STOP
- 3 CYCLE TRACK
- MAIN CORRIDOR
- - - CORE PROJECT

0' 25' 50' 100' N





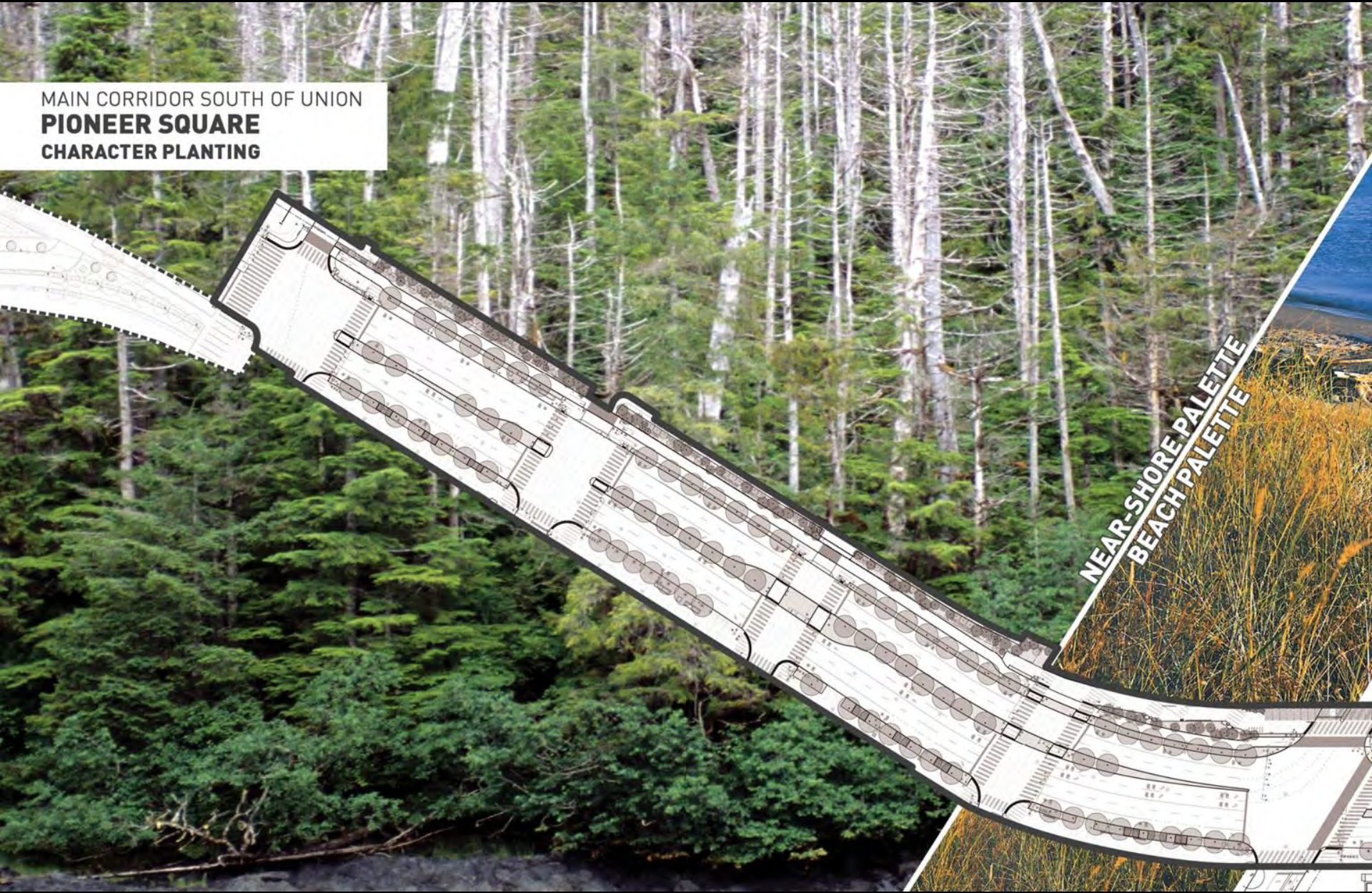
MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
CHARACTER OF MATERIALS





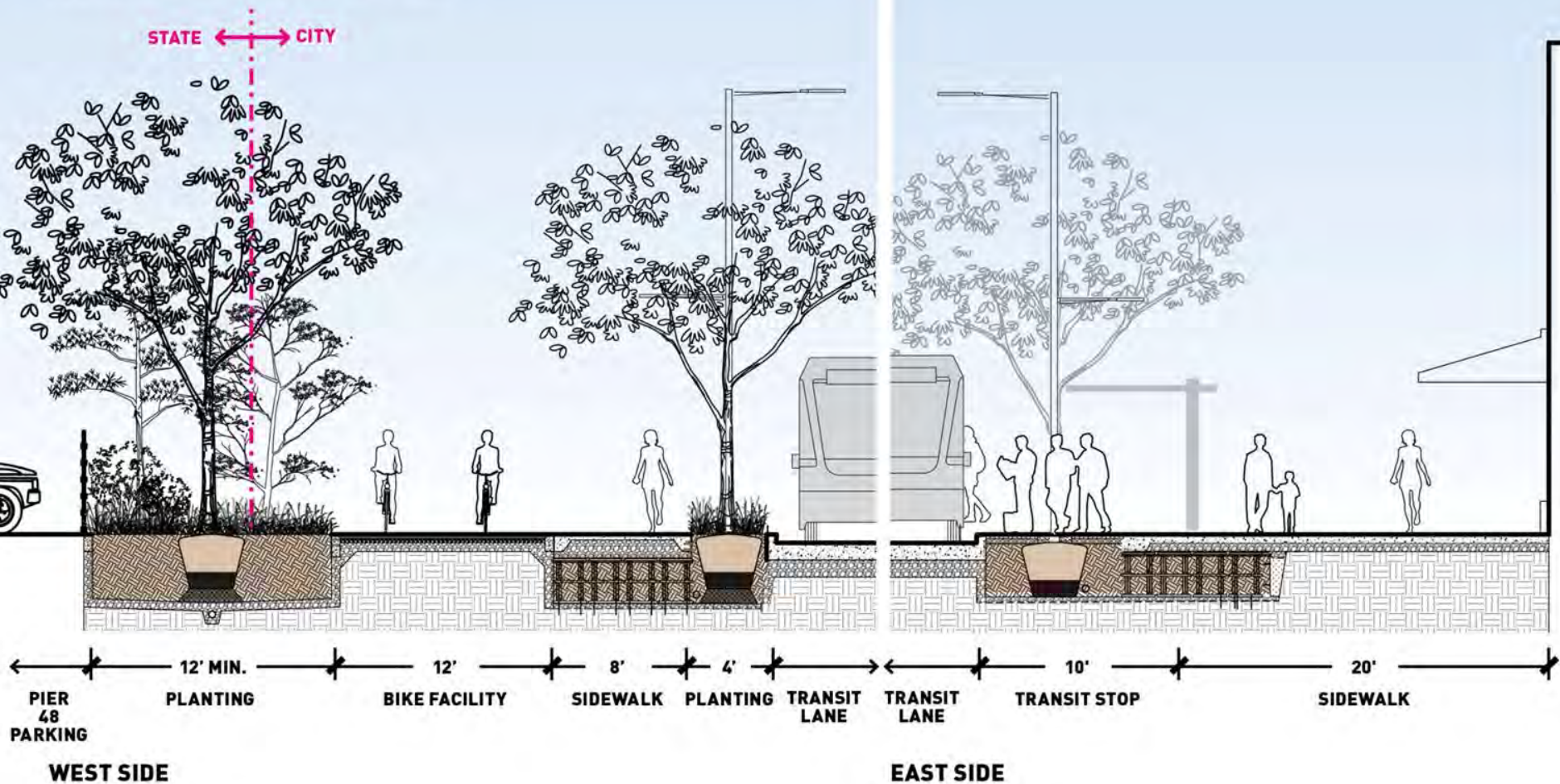
MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
CHARACTER PLANTING

NEAR-SHORE PALETTE  
BEACH PALETTE

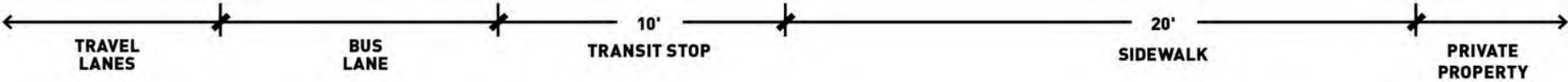
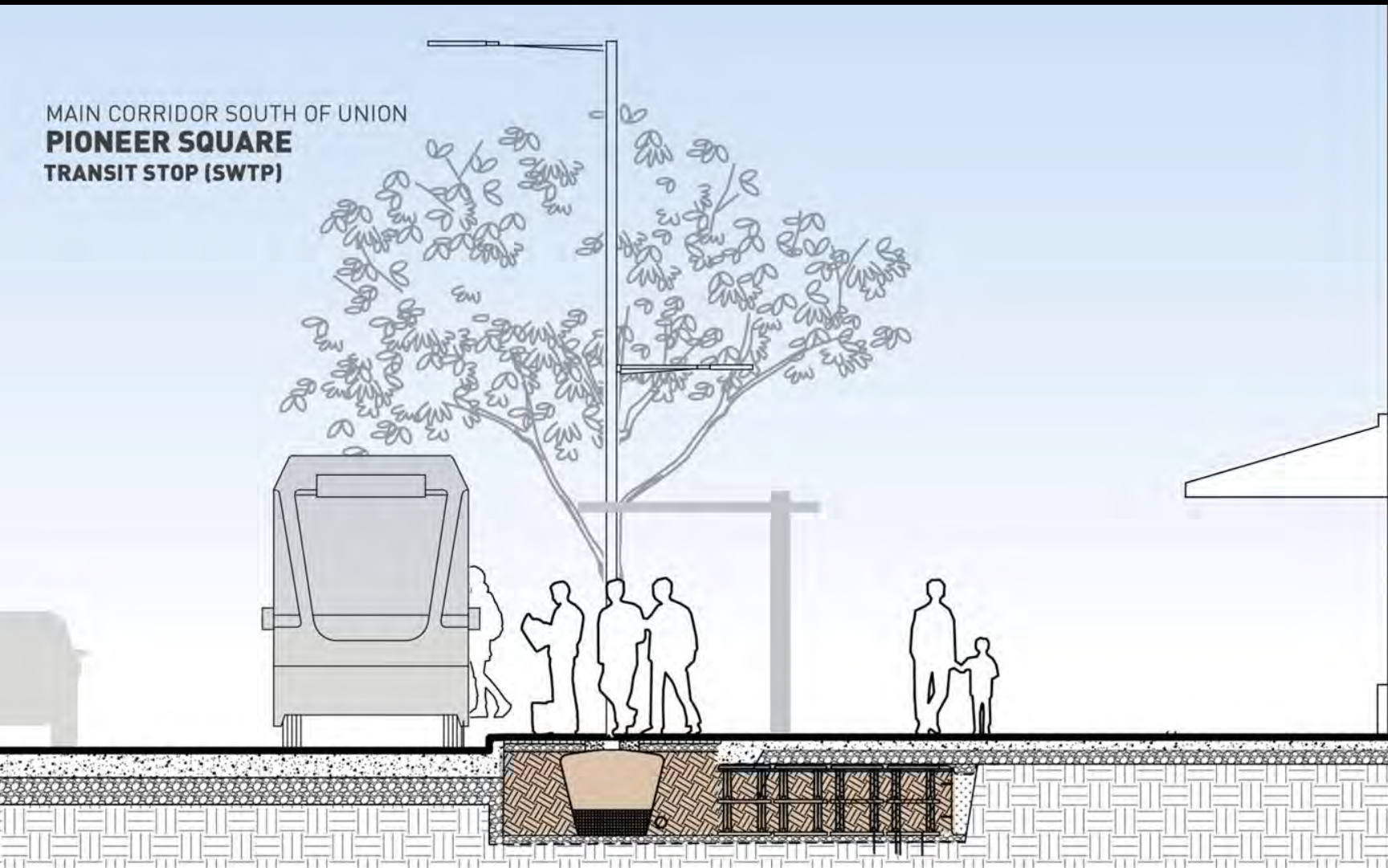




MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
SECTION BETWEEN JACKSON + MAIN



MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
TRANSIT STOP (SWTP)

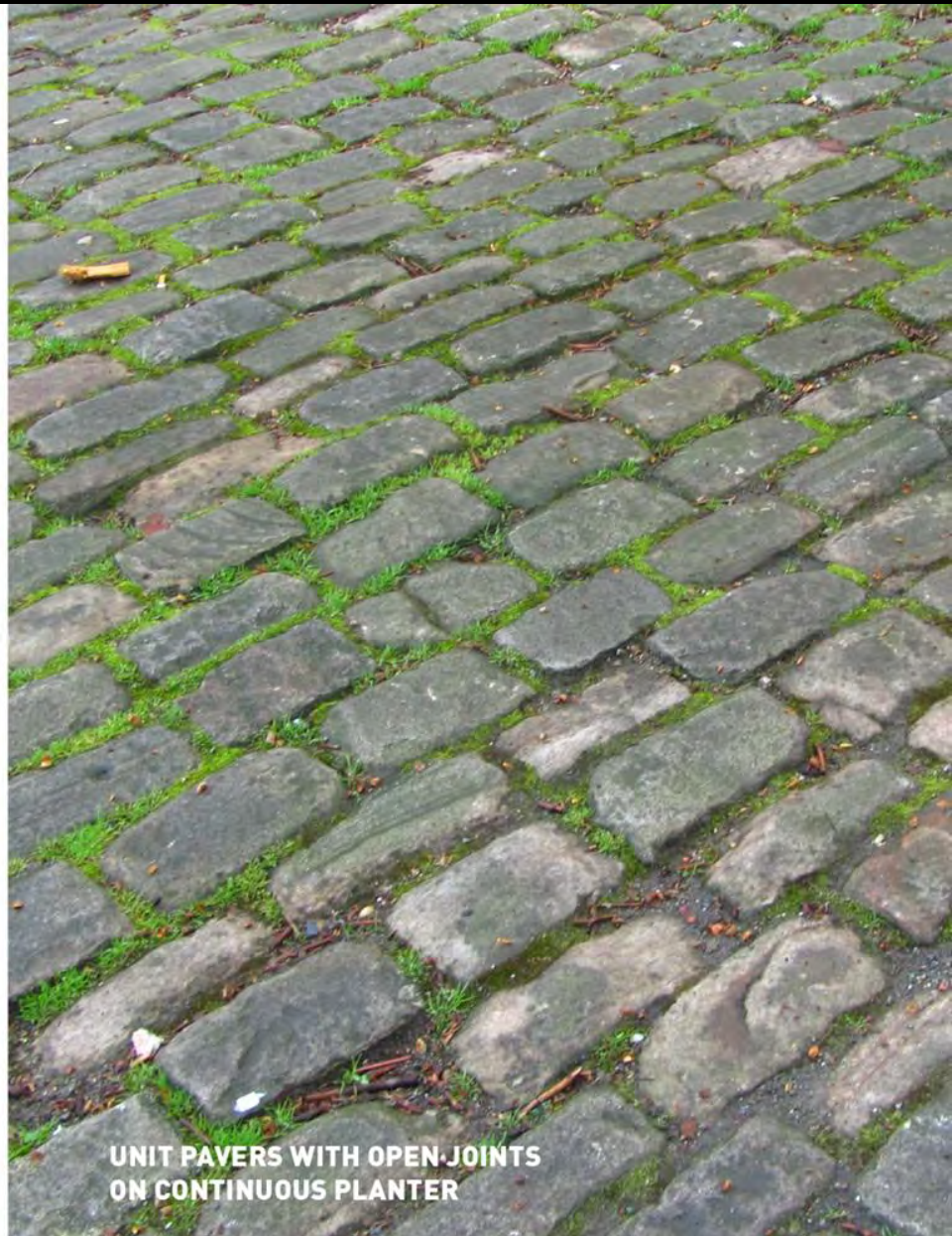




MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
TRANSIT STOP (SWTP)



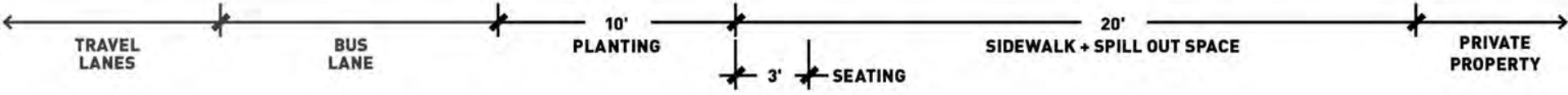
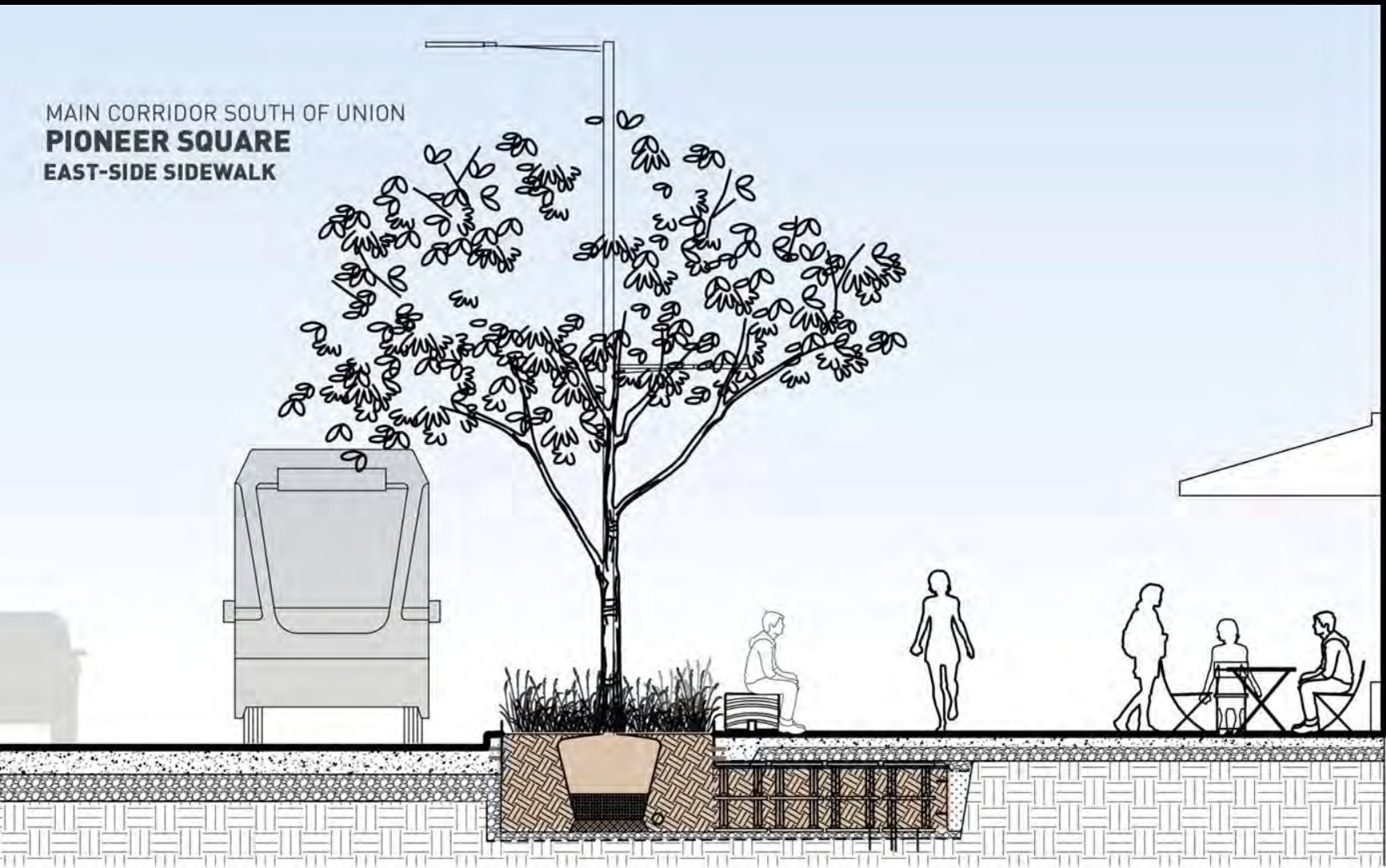
RAPID RIDE TRANSIT SHELTER



UNIT PAVERS WITH OPEN JOINTS  
ON CONTINUOUS PLANTER



MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
EAST-SIDE SIDEWALK



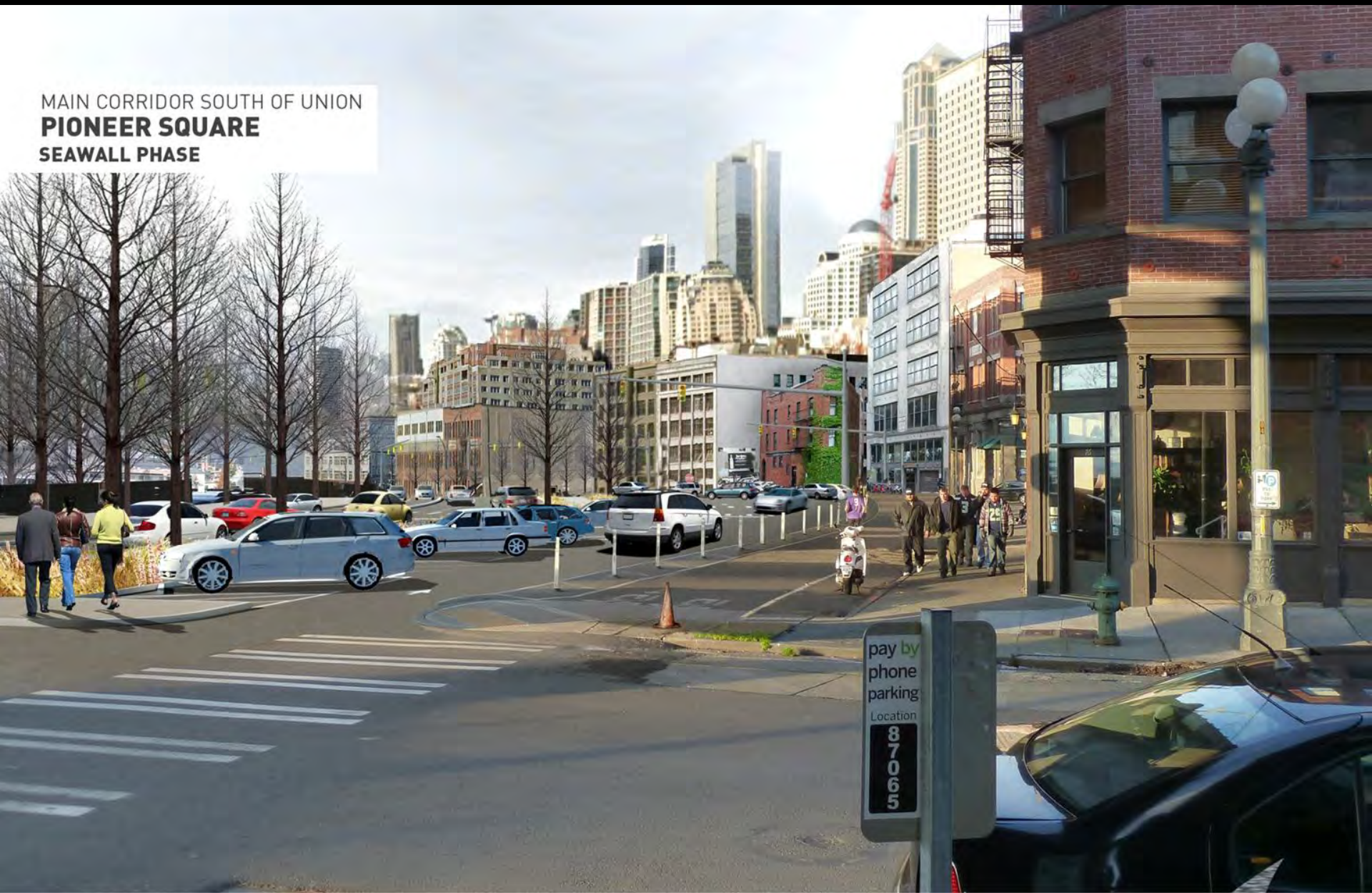


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
CURRENT CONDITION





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
SEAWALL PHASE



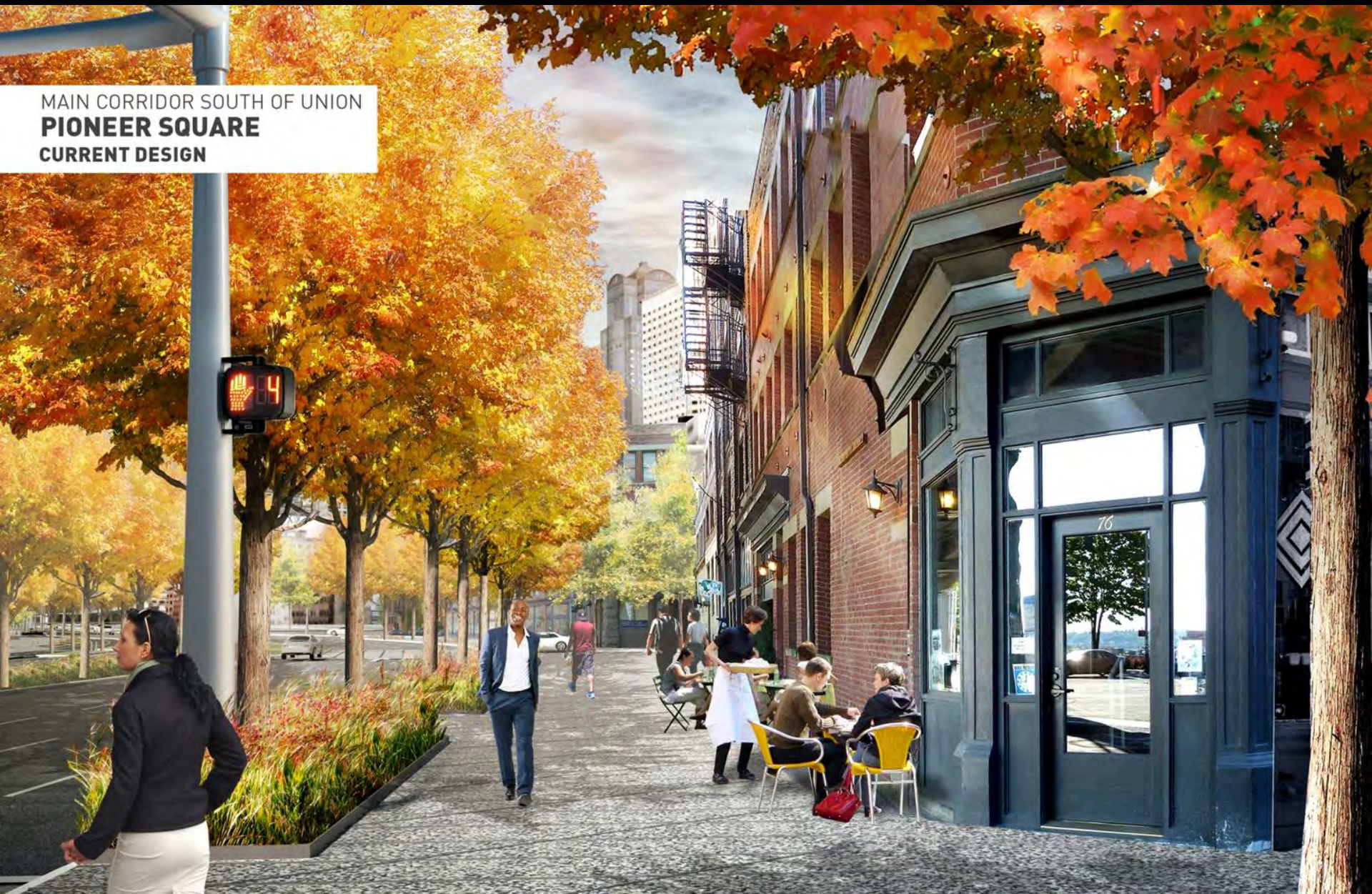


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
CURRENT DESIGN





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
CURRENT DESIGN





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE**  
**NEAR-SHORE PALETTE**

**Plane Tree**  
*Platanus x acerifolia 'Yarwood'*  
Height: 35'  
Spread: 20'

**Shore Pine**  
*Pinus contorta var. contorta*  
Height: 35'  
Spread: 15'  
Soil: dry  
Sun: Full

**Excelsa Cedar**  
*Thuja plicata 'Excelsa'*  
Height: 35'  
Spread: 10'  
Soil: moist to wet tolerant  
Sun: full to partial

**Incense Cedar**  
*Calocedrus decurrens*  
Height: 25'  
Spread: 6'  
Soil: dry to moist, well drained  
Sun: full to partial

**Marina Strawberry Tree**  
*Arbutus marina*  
Height: 15'  
Spread: 20'  
Soil: dry to very dry  
Sun: full to partial

40' —  
30' —  
20' —  
10' —



STREET TREE

NEAR-SHORE TREES







**Vine Maple**  
*Acer circinatum*



**Snowberry**  
*Symphoricarpos albus*



**Salal**  
*Gaultheria shallon*



**Yarrow**  
*Achillea millefolium*



**Nootka Rose**  
*Rosa nutkana*



**Kinnikinnick**  
*Arctostaphylos uva-ursi*



**Equisetum Sp.**  
*Equisetum hyemale, telmatia*



**Silk Tassel Bush**  
*Garrya elliptica*



**Pacific Madrone**  
*Arbutus menziesii*



**Spreading English Yew**  
*Taxus baccata 'Repandens'*



**Dewey's sedge**  
*Carex deweyana*



**Creeping Mahonia**  
*Mahonia repens*



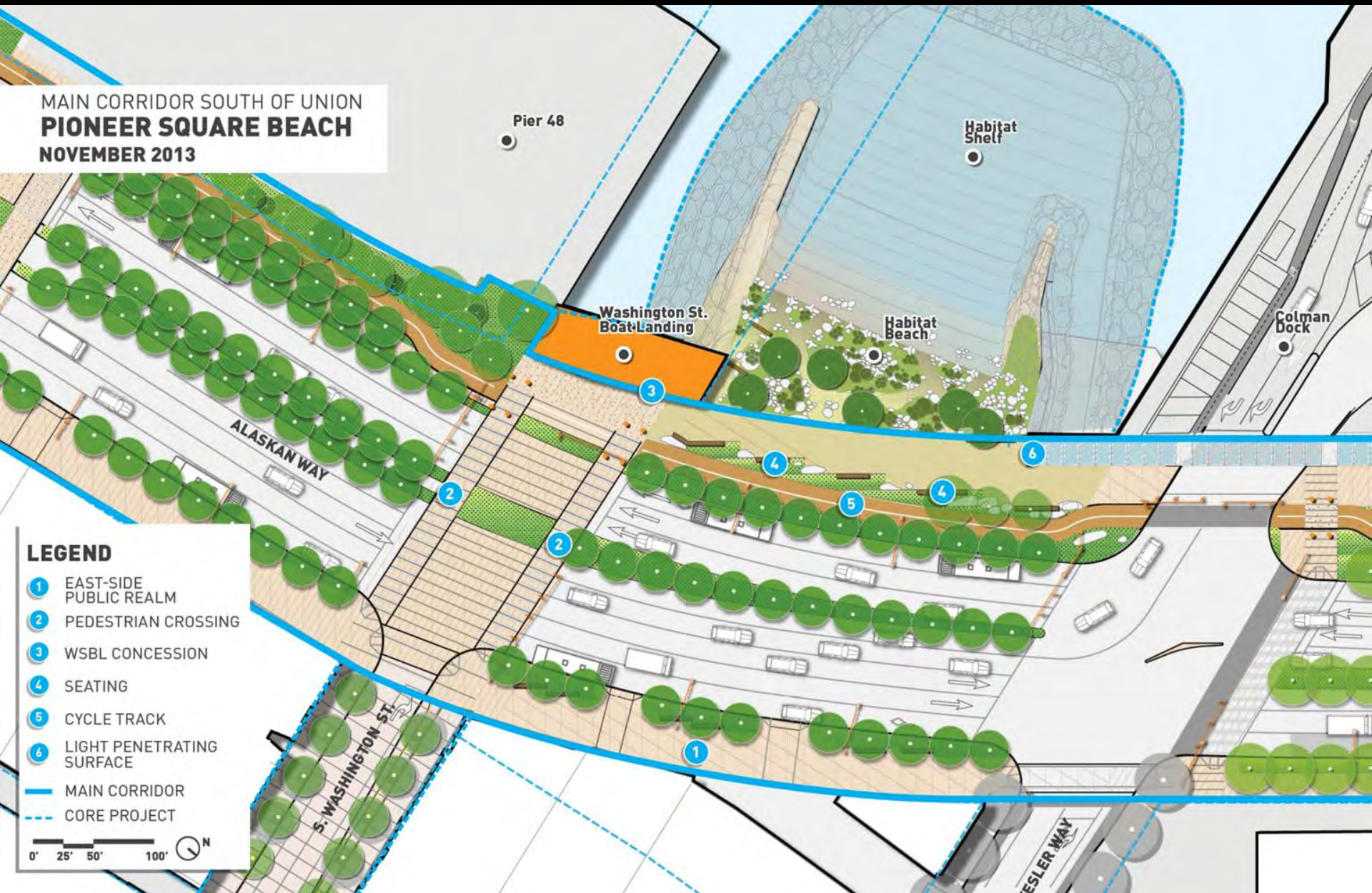
**Woodland strawberry**  
*Fragaria vesca*



**Soft rush**  
*Juncus effusus*

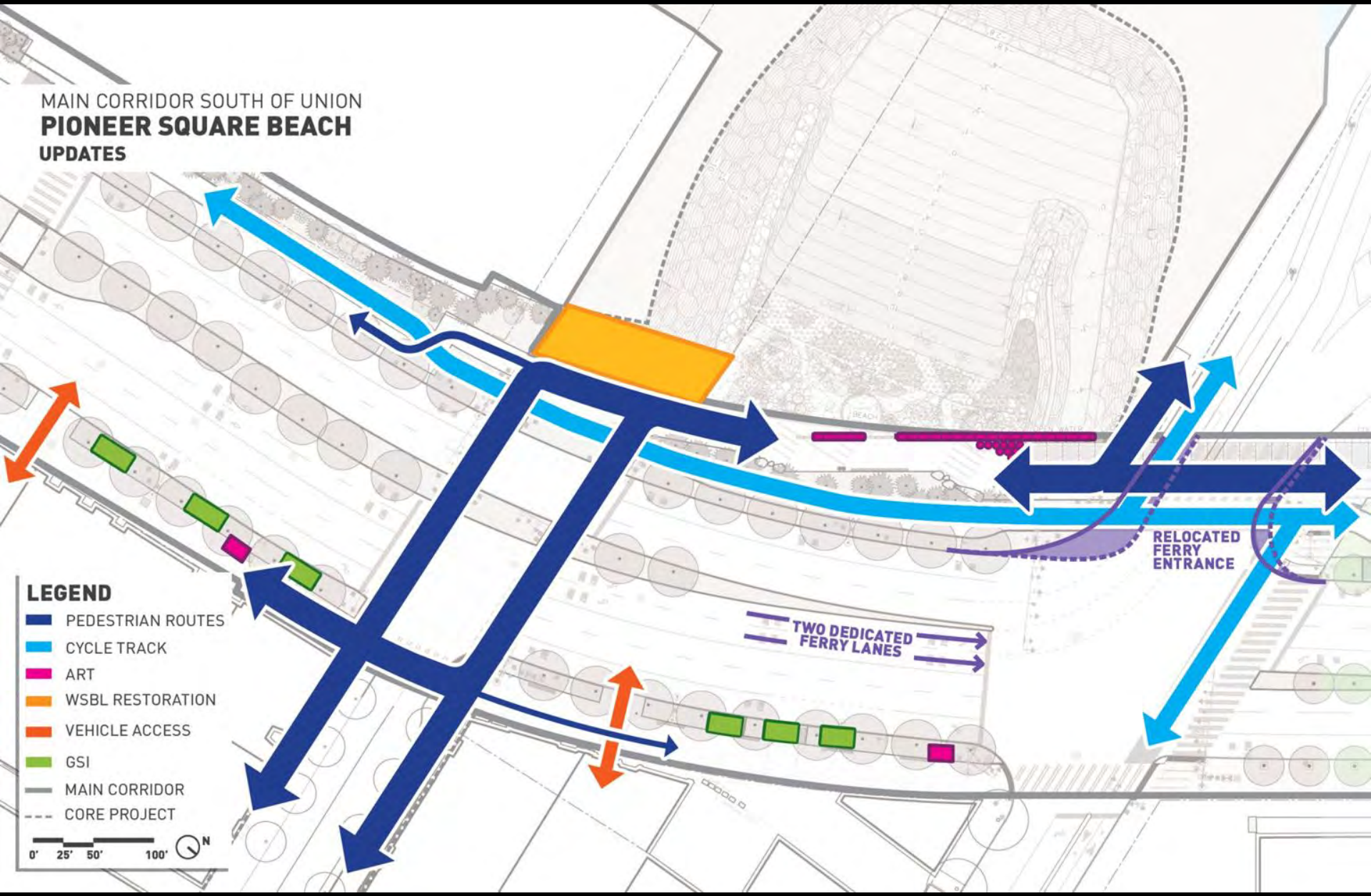


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
NOVEMBER 2013



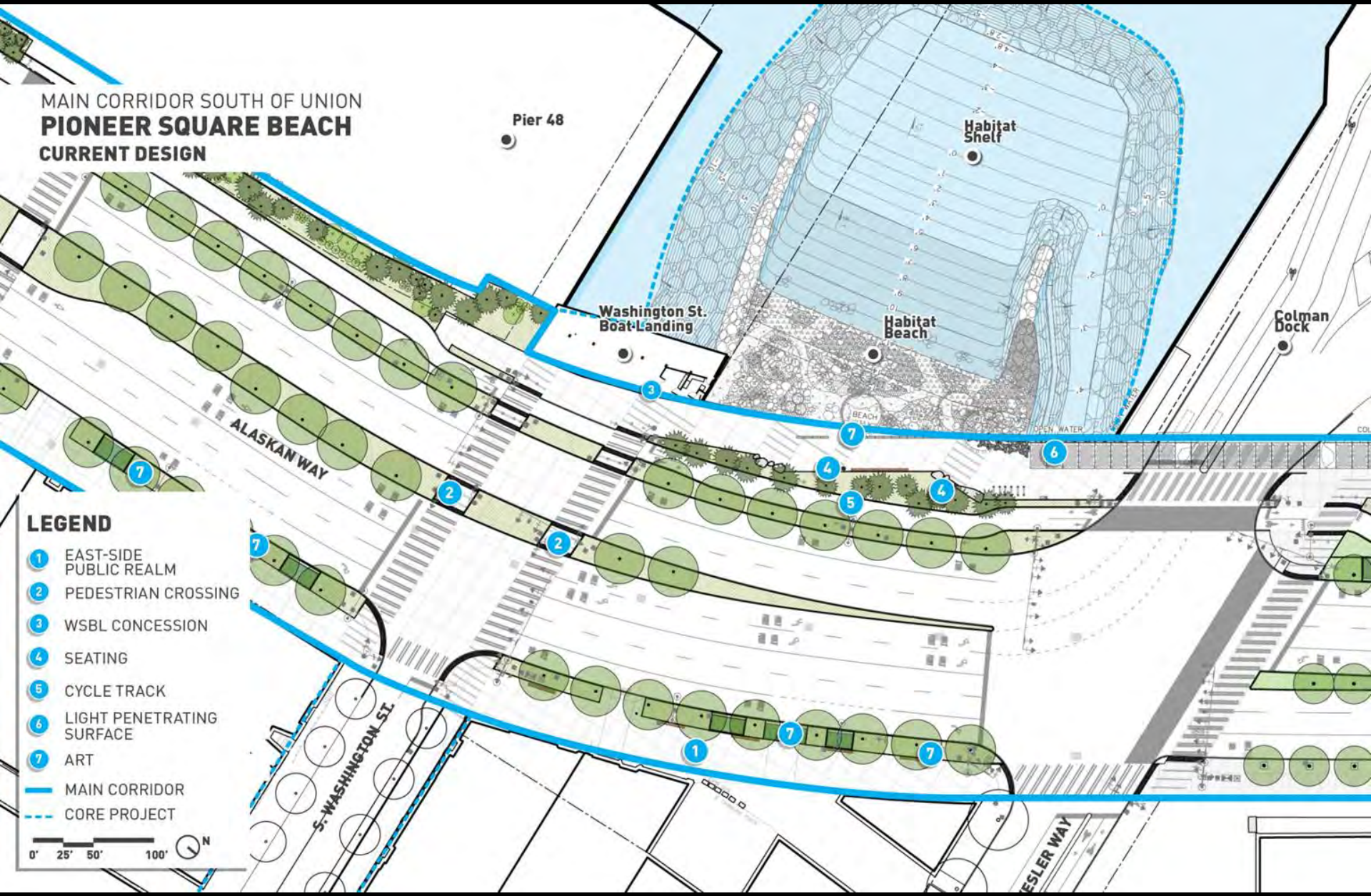


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
UPDATES



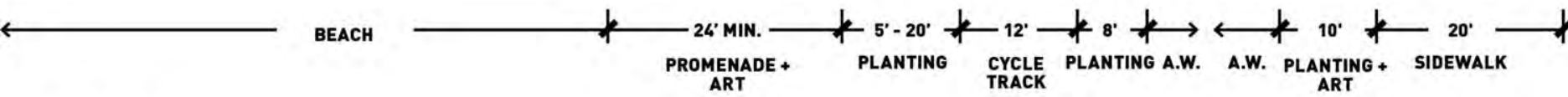
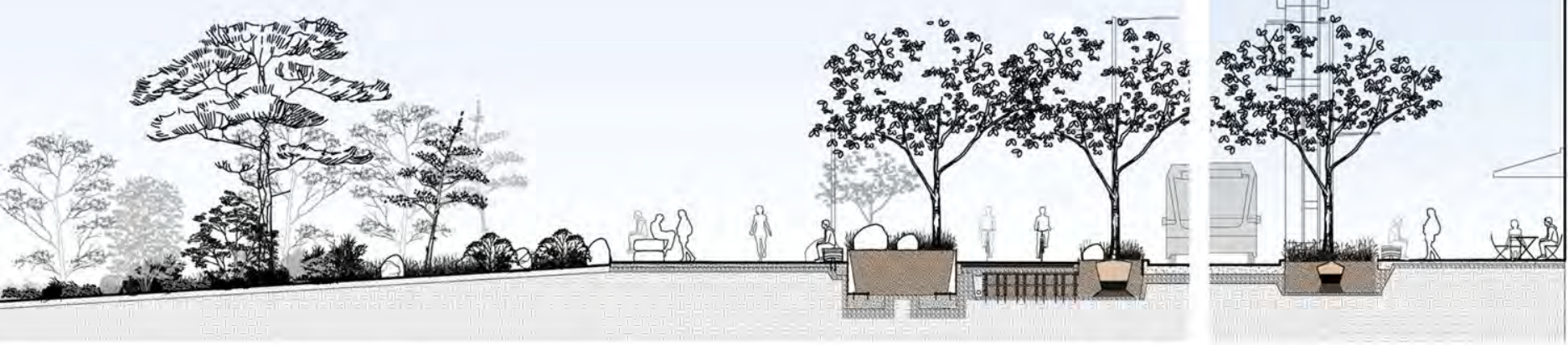


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
CURRENT DESIGN





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
SECTION: WASHINGTON AND YESLER

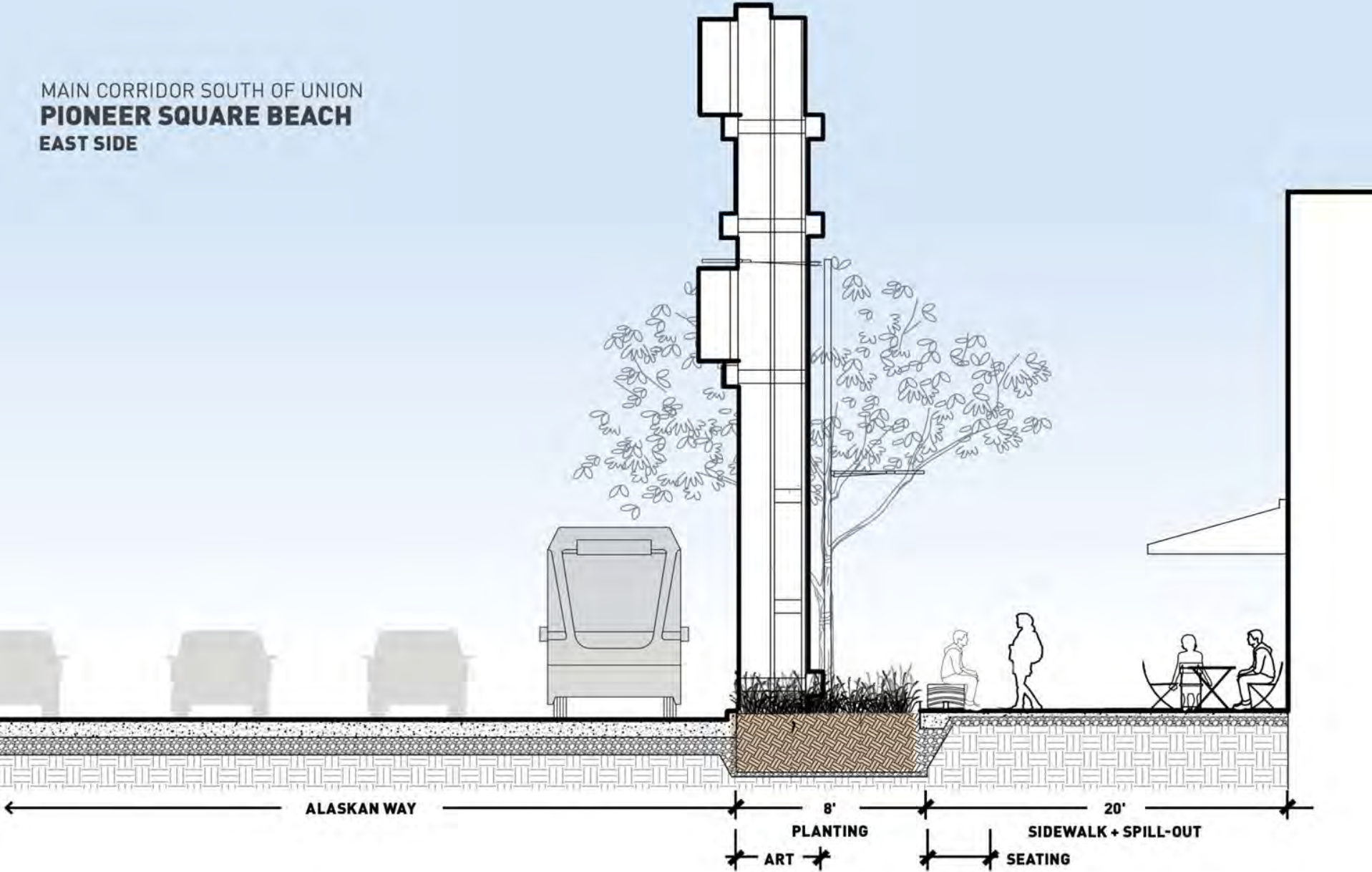


WEST SIDE

EAST SIDE



MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
EAST SIDE



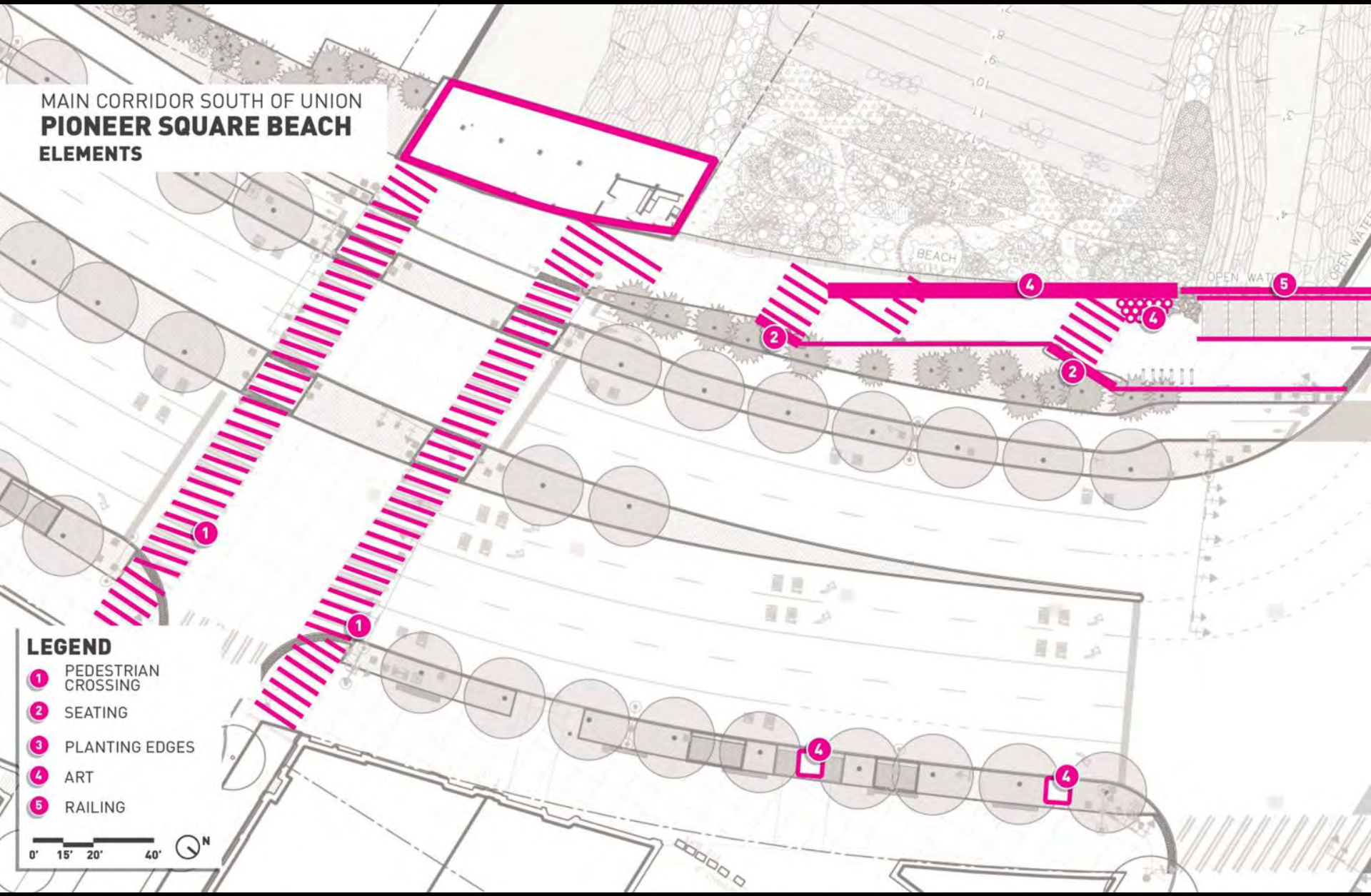


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
ELEMENTS

**LEGEND**

- 1 PEDESTRIAN CROSSING
- 2 SEATING
- 3 PLANTING EDGES
- 4 ART
- 5 RAILING

0' 15' 20' 40' N





MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**  
WASHINGTON STREET BOAT LANDING 1920





MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**  
WASHINGTON STREET BOAT LANDING 2012





MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**

WASHINGTON STREET BOAT LANDING RESTORATION  
RON WRIGHT RESTORATION ARCHITECT



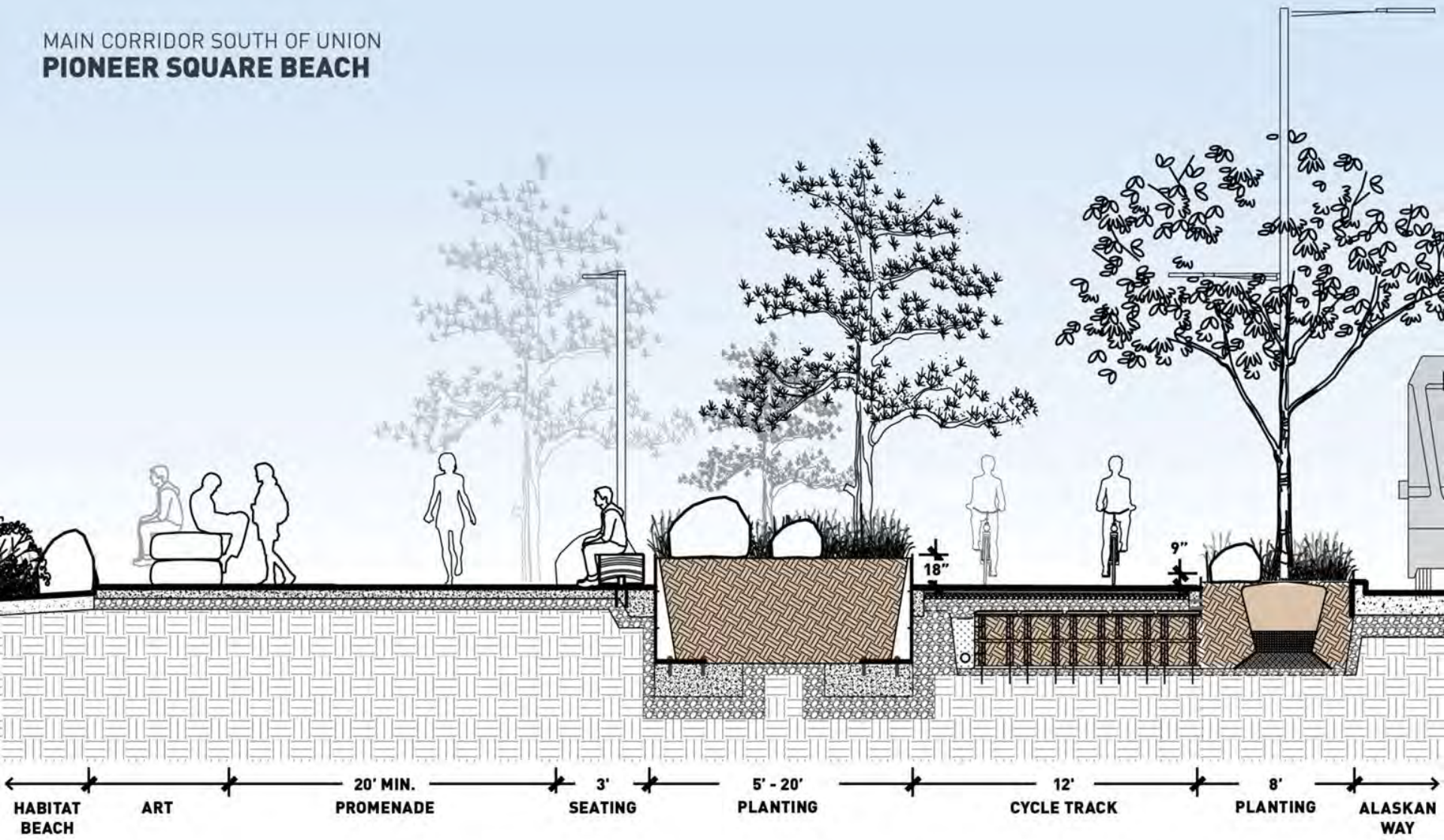


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
VIEW LOOKING NORTH AT S. WASHINGTON





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**



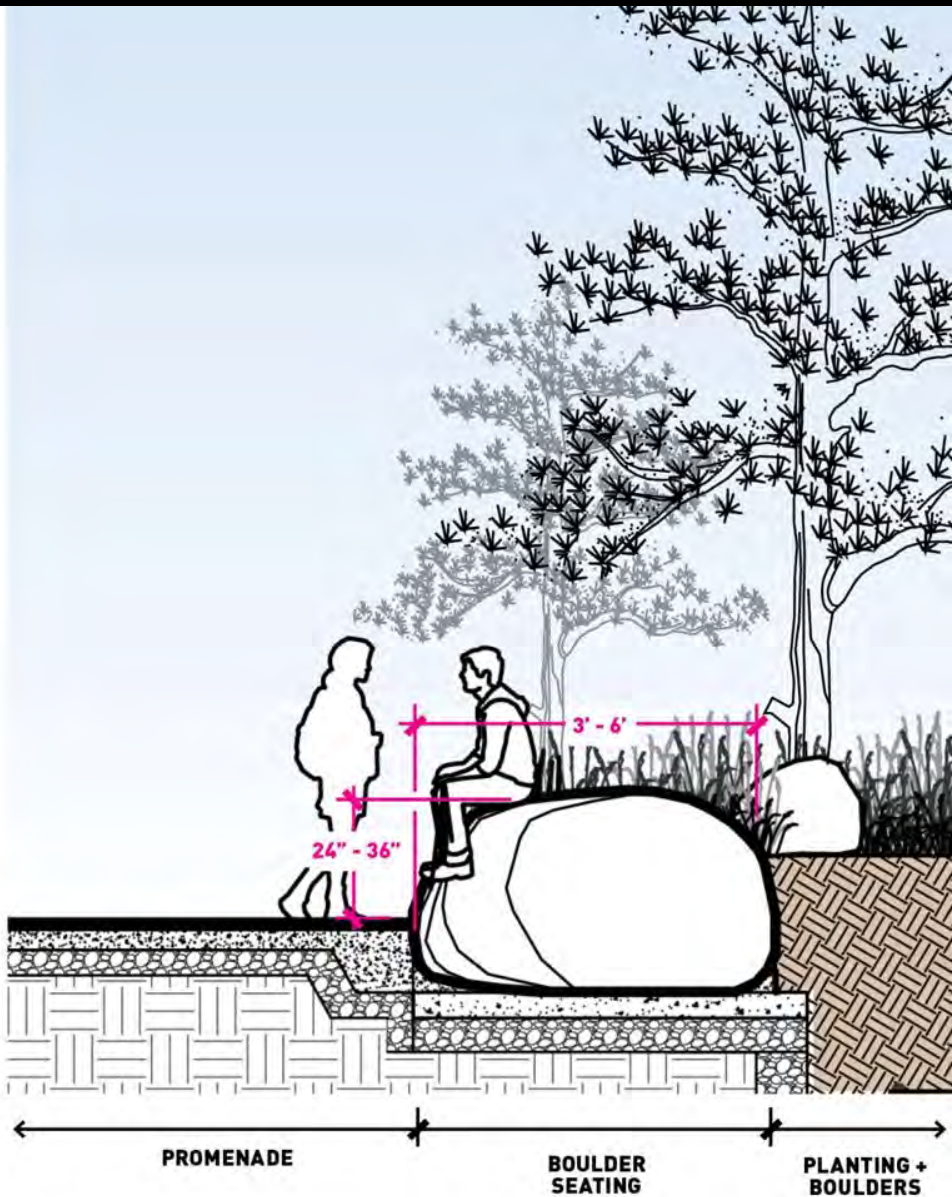
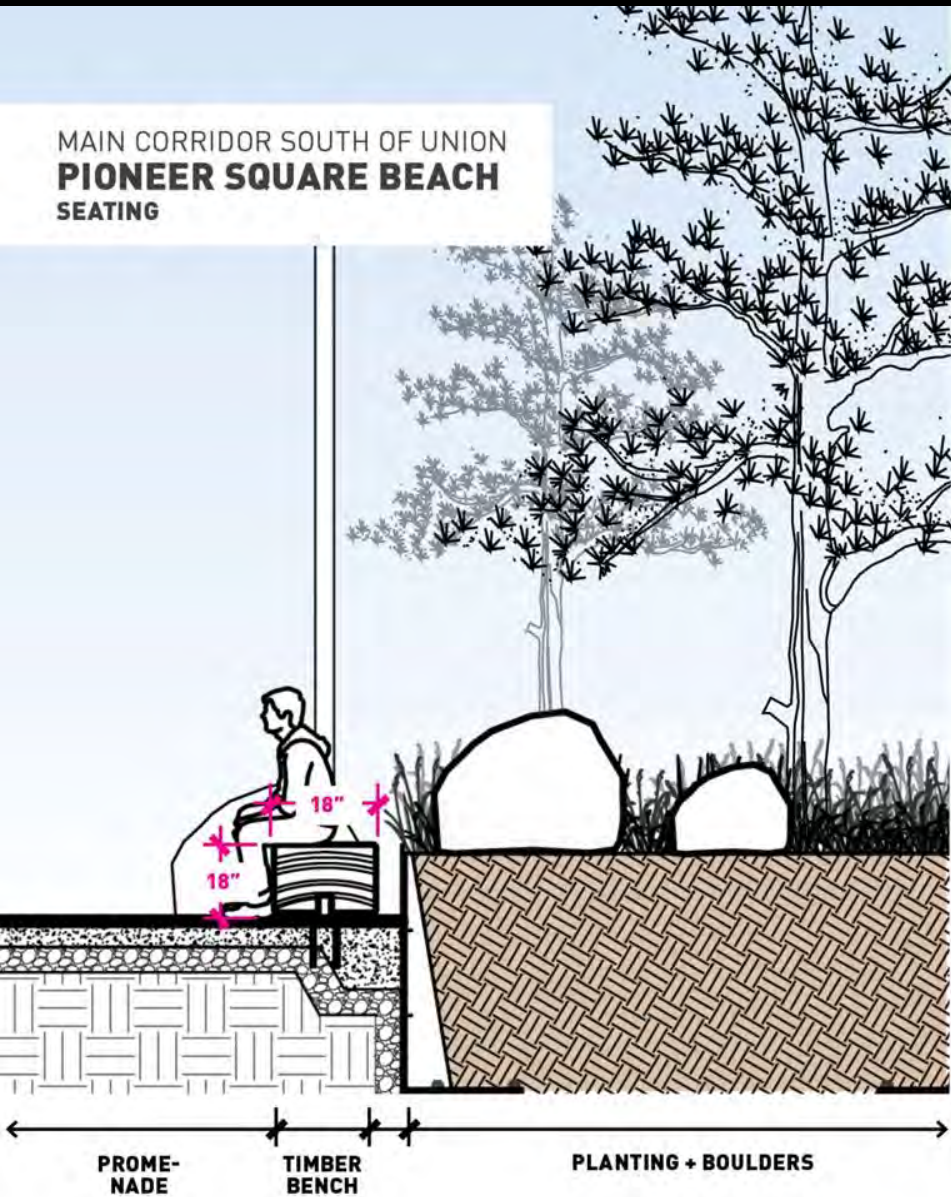


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
SEATING





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
SEATING



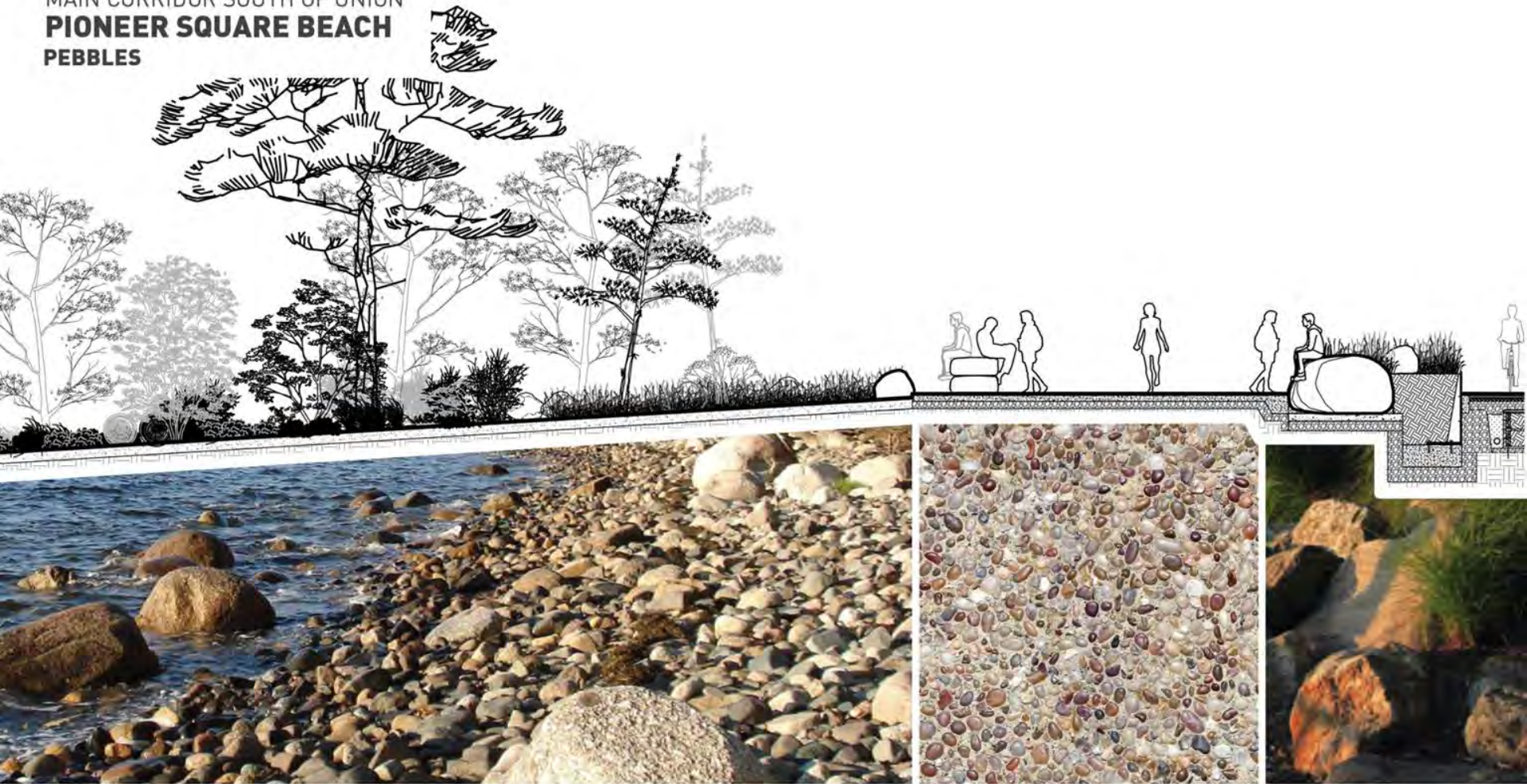


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
VIEW LOOKING NORTH AT S. WASHINGTON





MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
**PEBBLES**



← BEACH PEBBLES →

← EXPOSED PEBBLES  
IN CONCRETE →

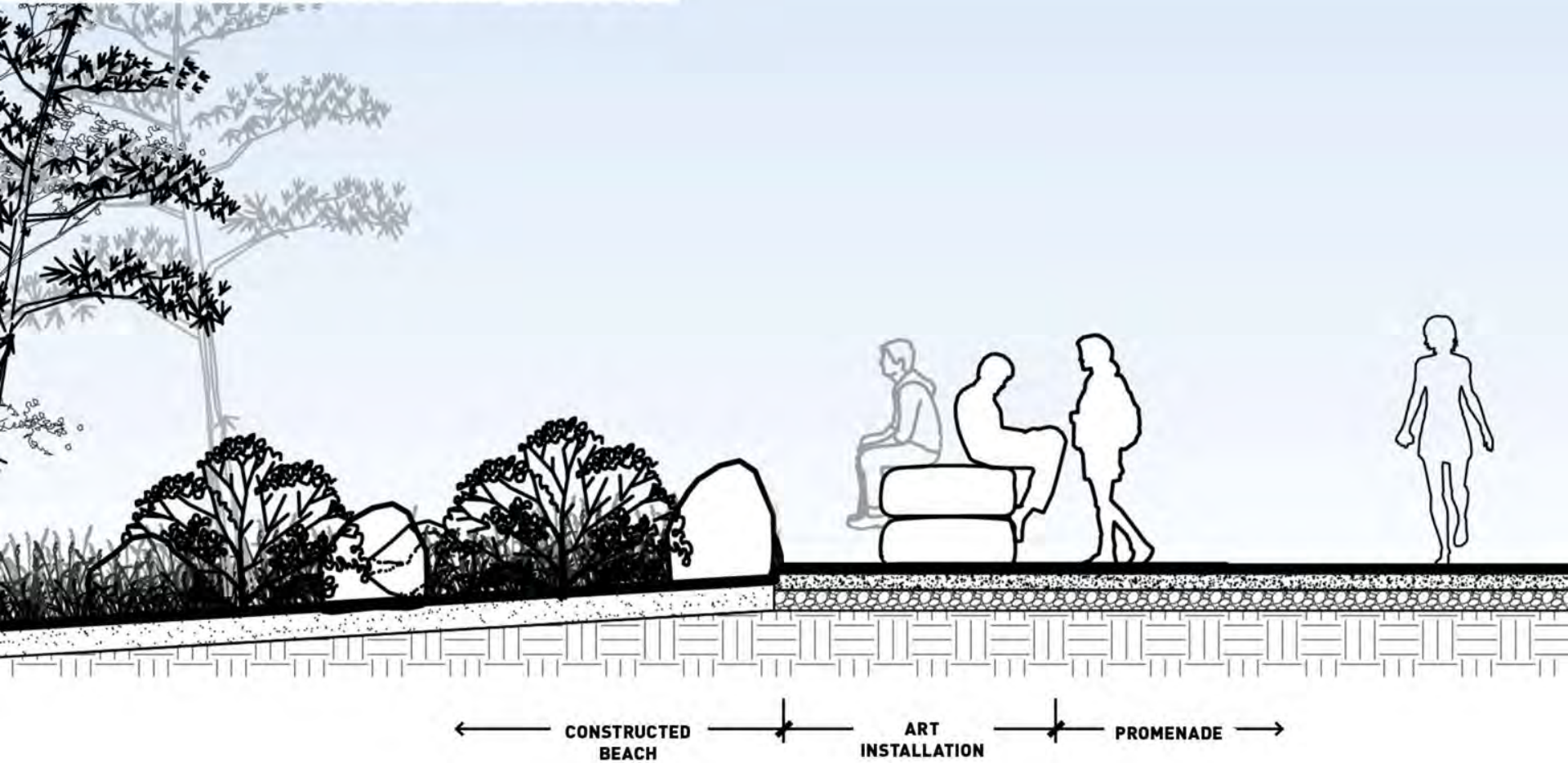
← BOULDERS →



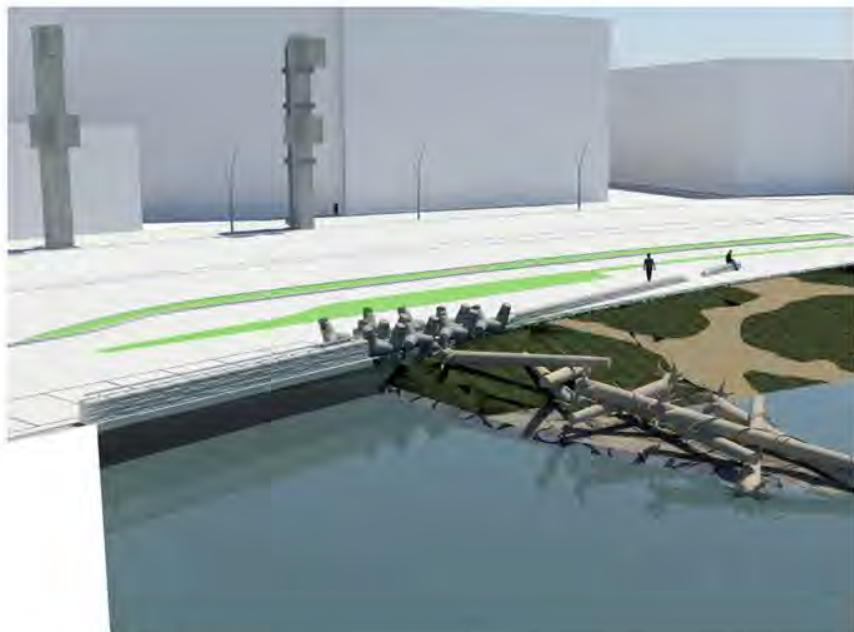
MAIN CORRIDOR SOUTH OF UNION

## PIONEER SQUARE BEACH

ART WORK BY BUSTER SIMPSON: ANTHROPOCENE BEACH







## 1 BEACH HABITAT

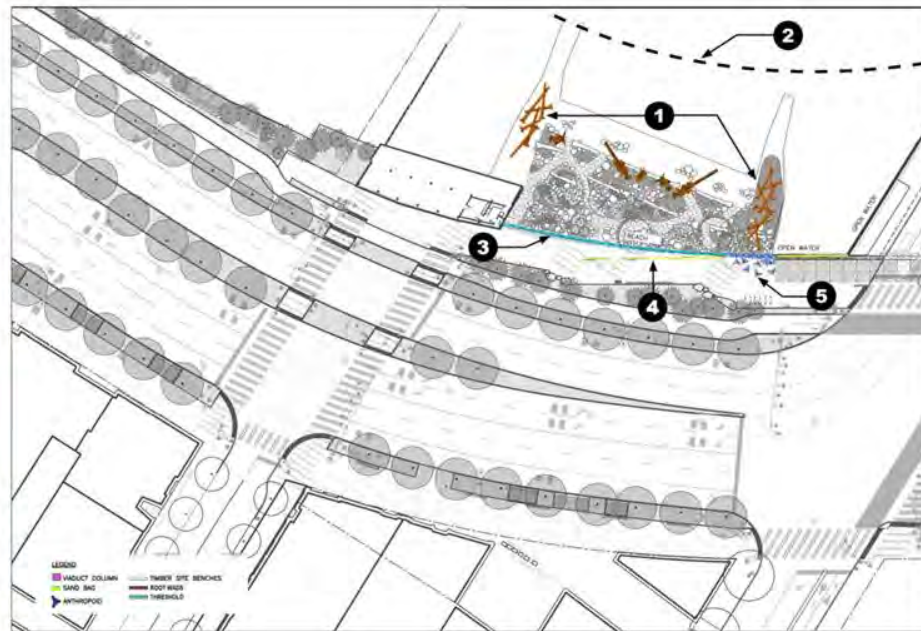
As part of the original intent and scope of my commission for a habitat artwork, I have modified the root wad and anchor approach and placement on the beach and rock arms. I am proposing the use of natural stone anchors to conform to the requirements of the shoreline permitting agency.

## 2 CONTAINMENT BARRIER

In order to protect the habitat investment, a containment barrier should be located in the beach offshore area for rapid deployment. The rolled up barrier has visual appeal, kinetically interacting with wave action. When deployed the containment boom form responds to the tidal movements including an inboard and outboard floating catenary.

## 3 ANTHROPOCENE THRESHOLD

The edge of the promenade where city meets beach will consist of a highly conglomerated cast concrete threshold. The matrix (aggregate) would consist of inert architectural and cultural rubble reconstituted in blocks to be sliced (by wire or diamond blade) into paver threshold units.



## 4 SEAWALL SEATING

The alignment of seating made of stone or cast concrete suggests a seawall of sandbags or an inviting sittable wall of offloaded cargo by stevedores.

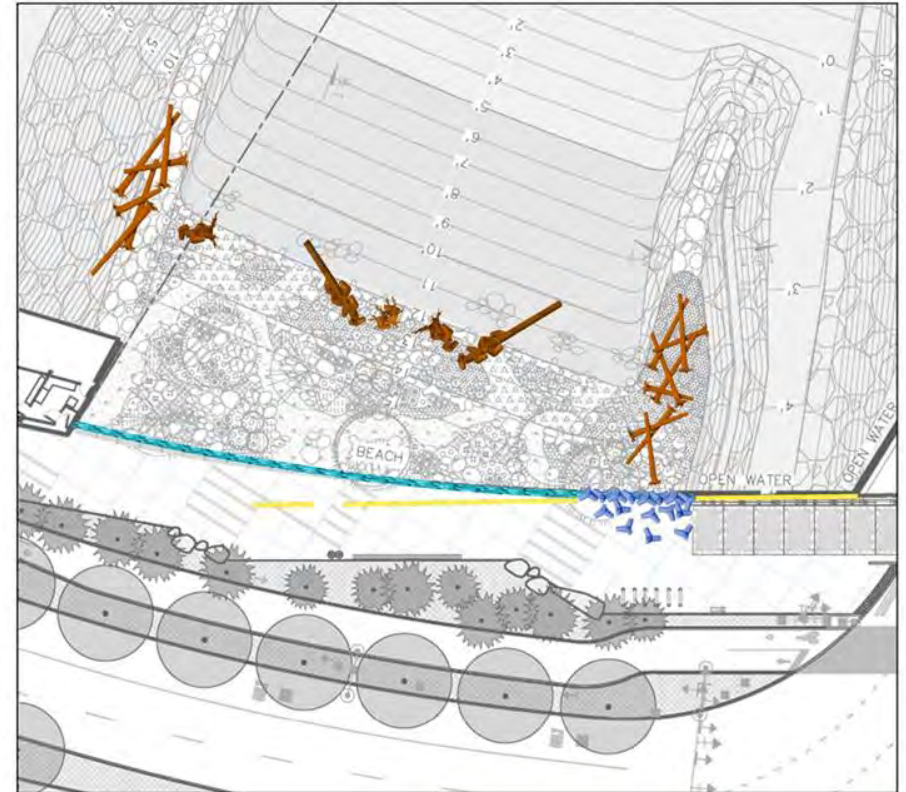
## 5 ANTHROPOMORPHIC PODS

Anthropomorphic Pods are intended as both a metaphor of human intervention and, as intended, an engineered solution for shoreline armor and anchors to secure the root wads.

## 6 ALASKAN WAY VIADUCT RELIC

The saving of selected columns of the Alaskan Way Viaduct presents a totemic welcoming figure of scale while providing a historic anomaly.





Historic beach with Salish canoes



Salish canoe anchors



Typical Puget Sound biomass infusion



Olympic Sculpture Park Beach



Skagit River Delta biomass



Volunteer Madrona landscape



Containment barrier

Elliott Bay  Seawall  
Project

ANTHROPOCENE BEACH // ZONE 1

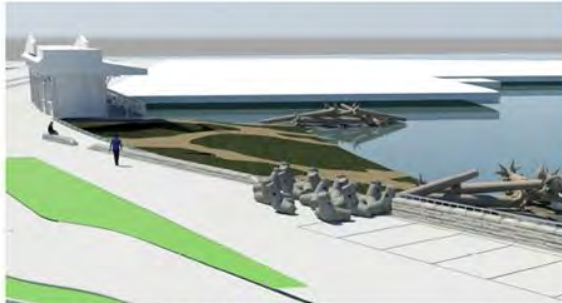
60% DESIGN DEVELOPMENT

PA-03

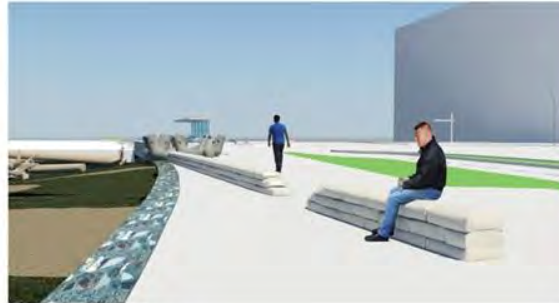
2014-10-14

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Installation of Anthropoids looking southwest



Installation looking north



Installation looking northwest



Elevation view of Anthropoid installation and Limestone/Marble "Sand Bags"



Plan view of Anthropoid installation and Limestone/Marble "Sand Bags"



Dolos as shoreline armor



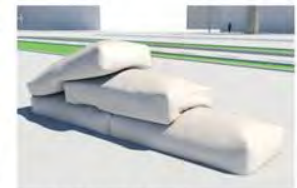
Secured Embrace, Frye Art Museum



Seating appropriate



Military foxholes using concrete bags



Study of Seawall Seating

Elliott Bay  Seawall Project	ANTHROPOCENE BEACH // ZONE 1	60% DESIGN DEVELOPMENT	PA-04	2014-10-14
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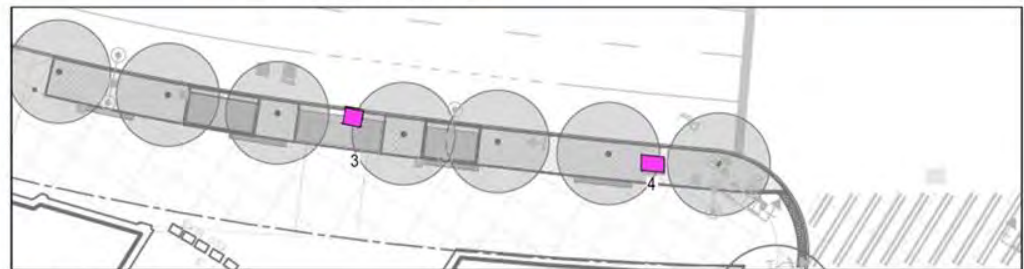




Columns 3 & 4 looking north



Columns 3 & 4 looking northwest



Plan view of site showing columns



Column 3



Column 4



Elliott Bay  Seawall <small>Project</small>	ANTHROPOCENE BEACH // ZONE 1	60% DESIGN DEVELOPMENT	PA-05	2014-10-14
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MAIN CORRIDOR SOUTH OF UNION  
**PLANTING**  
**BEACH PALETTE**

**Plane Tree**

*Platanus x acerifolia* 'Yarwood'

Height: 35'  
Spread: 20'

40' —  
30' —  
20' —  
10' —



**STREET TREE**



**Shore Pine**

*Pinus contorta* var. *contorta*

Height: 35'  
Spread: 15'

Soil: dry  
Sun: Full



**BEACH TREES**



**Marina Strawberry Tree**

*Arbutus marina*

Height: 20'  
Spread: 25'

Soil: dry to very dry  
Sun: full to partial







**Sea Lyme Grass**  
*Elymus arenarius*



**Mexican Feather Grass**  
*Stipa tenuissima*



**Beach strawberry**  
*Fragaria chiloensis*



**Equisetum Sp.**  
*Equisetum hyemale, telmatia*



**Salal**  
*Gaultheria shallon*



**Yarrow**  
*Achillea millefolium*



**Dewey's sedge**  
*Carex deweyana*



**American Dunegrass**  
*Leymus mollis*



**Creeping Mahonia**  
*Mahonia repens*



**Kinnikinnick**  
*Arctostaphylos uva-ursi*



**Soft rush**  
*Juncus effusus*



MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
VIEW LOOKING WEST



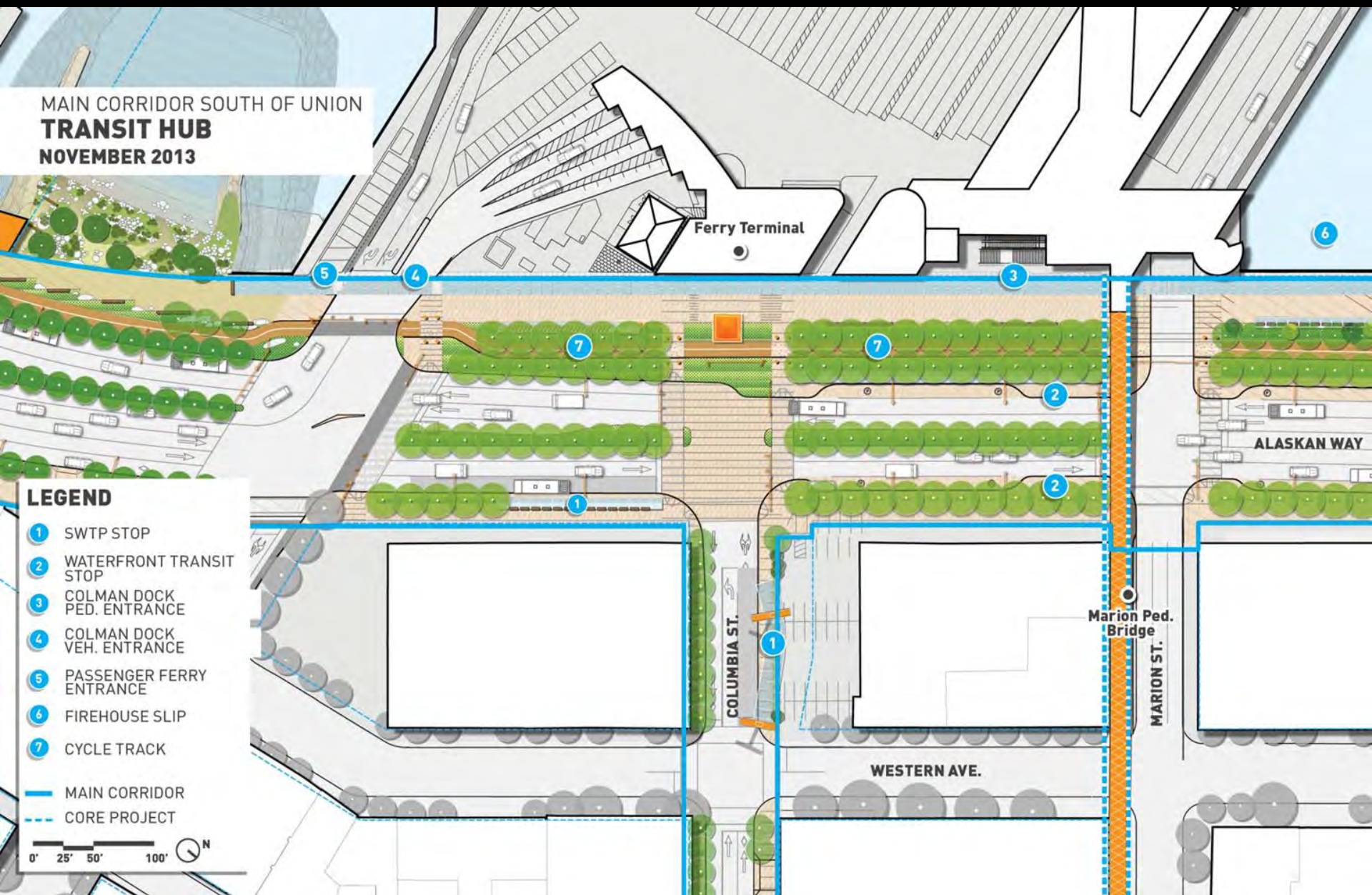


MAIN CORRIDOR SOUTH OF UNION  
**PIONEER SQUARE BEACH**  
VIEW LOOKING WEST



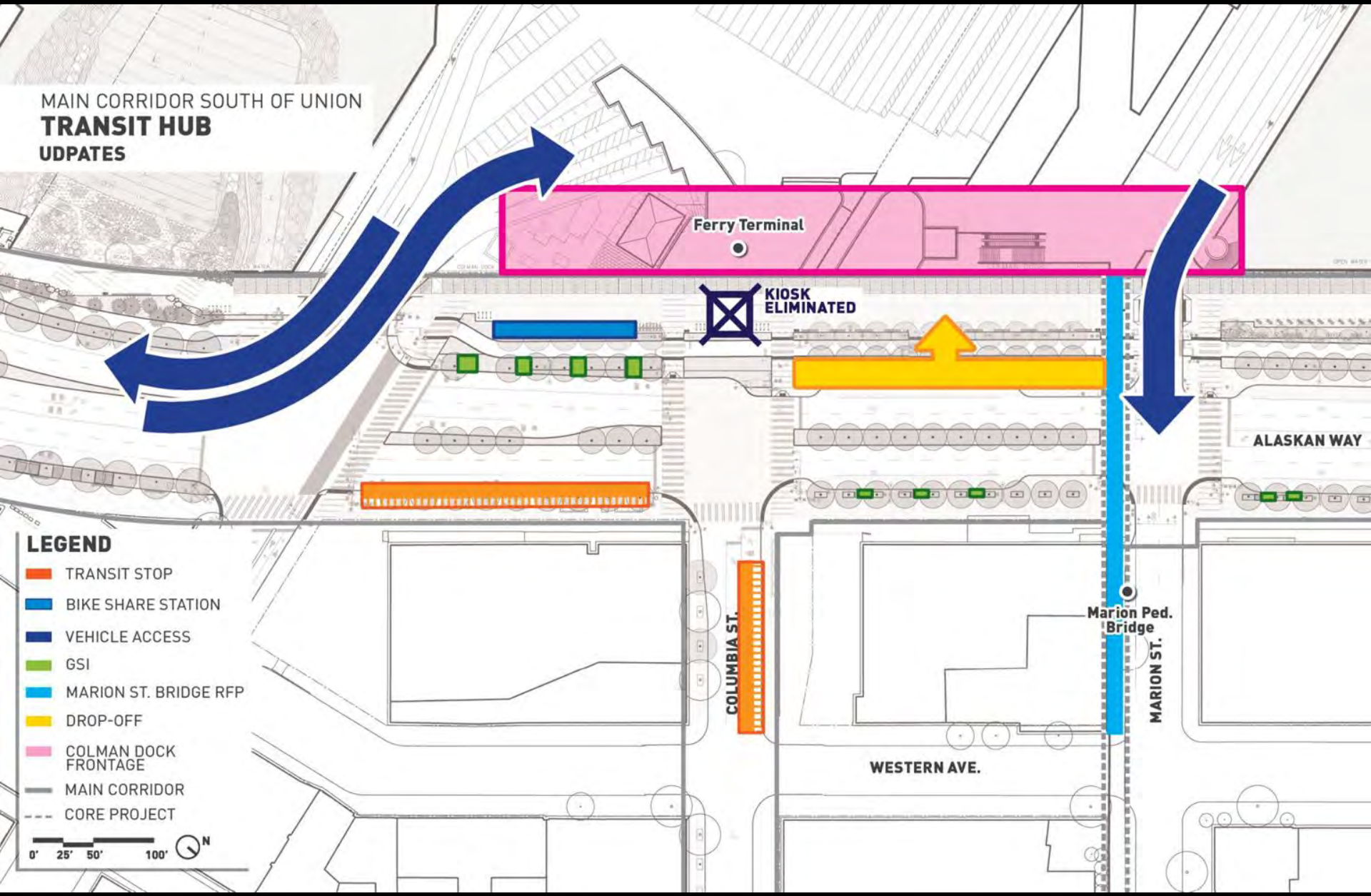


MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
NOVEMBER 2013



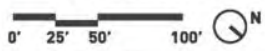


MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
UPDATES



**LEGEND**

- TRANSIT STOP
- BIKE SHARE STATION
- VEHICLE ACCESS
- GSI
- MARION ST. BRIDGE RFP
- DROP-OFF
- COLMAN DOCK FRONTAGE
- MAIN CORRIDOR
- CORE PROJECT

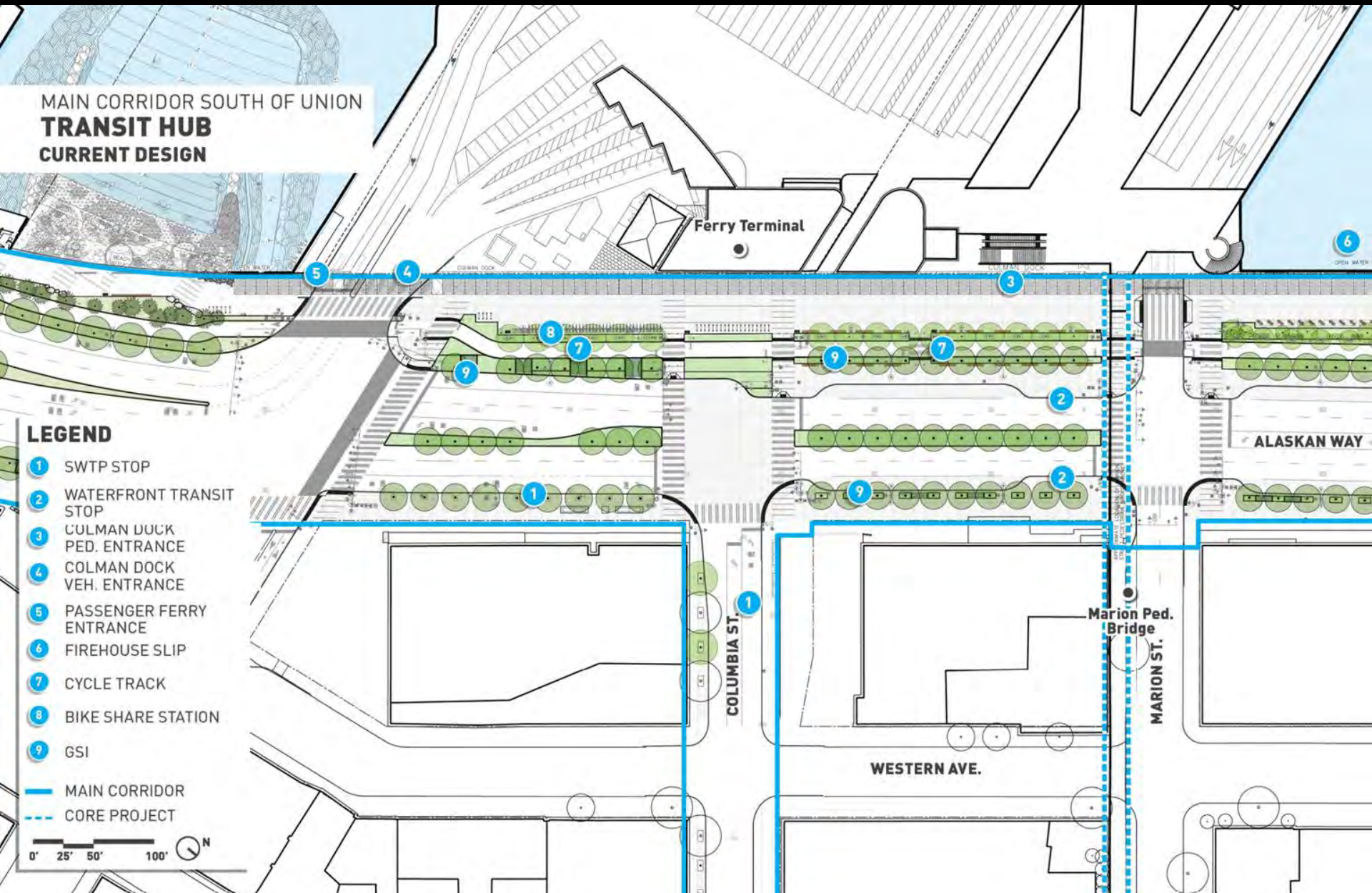
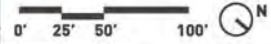




MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
**CURRENT DESIGN**

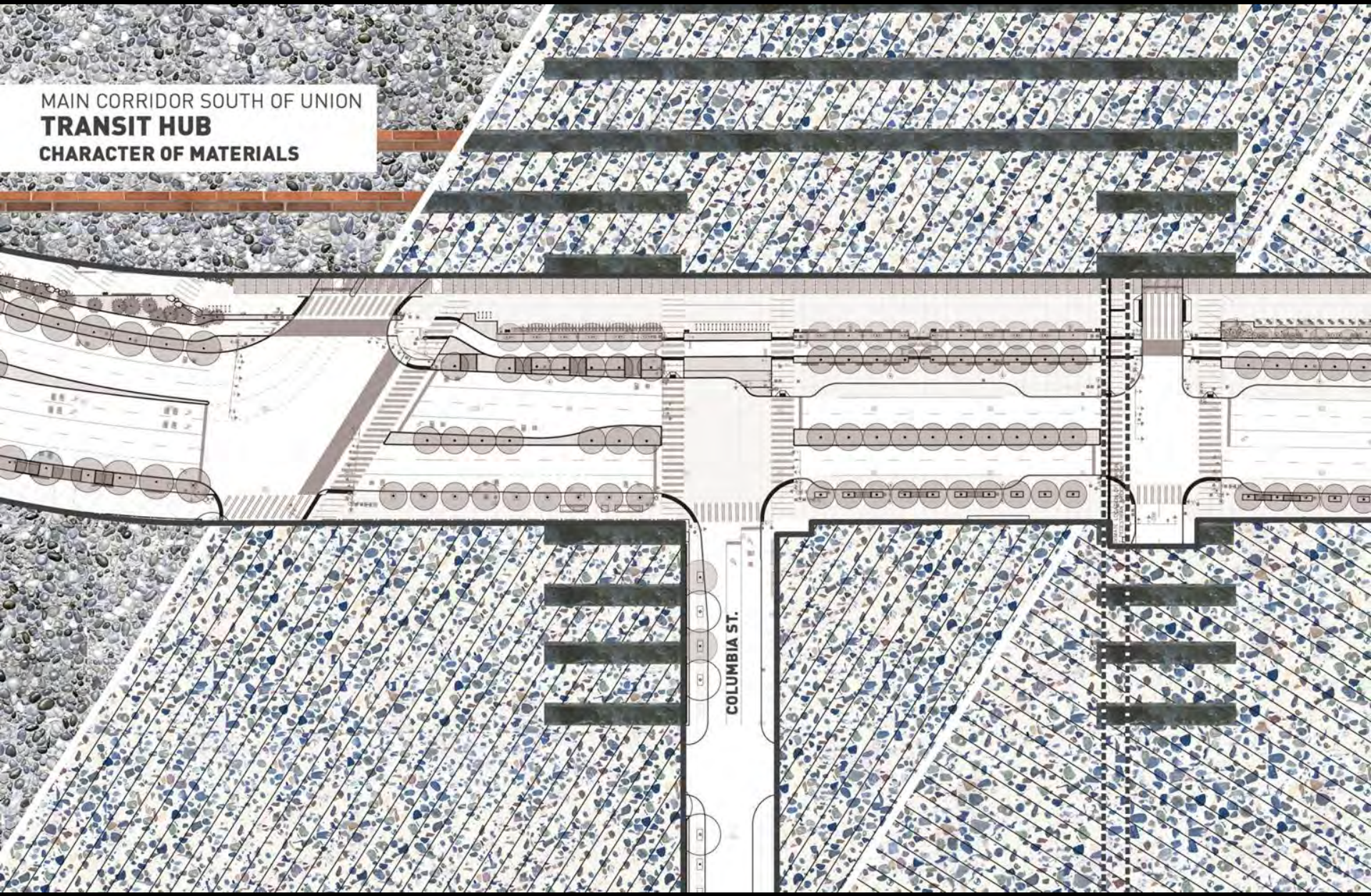
**LEGEND**

- 1 SWTP STOP
- 2 WATERFRONT TRANSIT STOP
- 3 COLMAN DOCK PED. ENTRANCE
- 4 COLMAN DOCK VEH. ENTRANCE
- 5 PASSENGER FERRY ENTRANCE
- 6 FIREHOUSE SLIP
- 7 CYCLE TRACK
- 8 BIKE SHARE STATION
- 9 GSI
- MAIN CORRIDOR
- - - CORE PROJECT



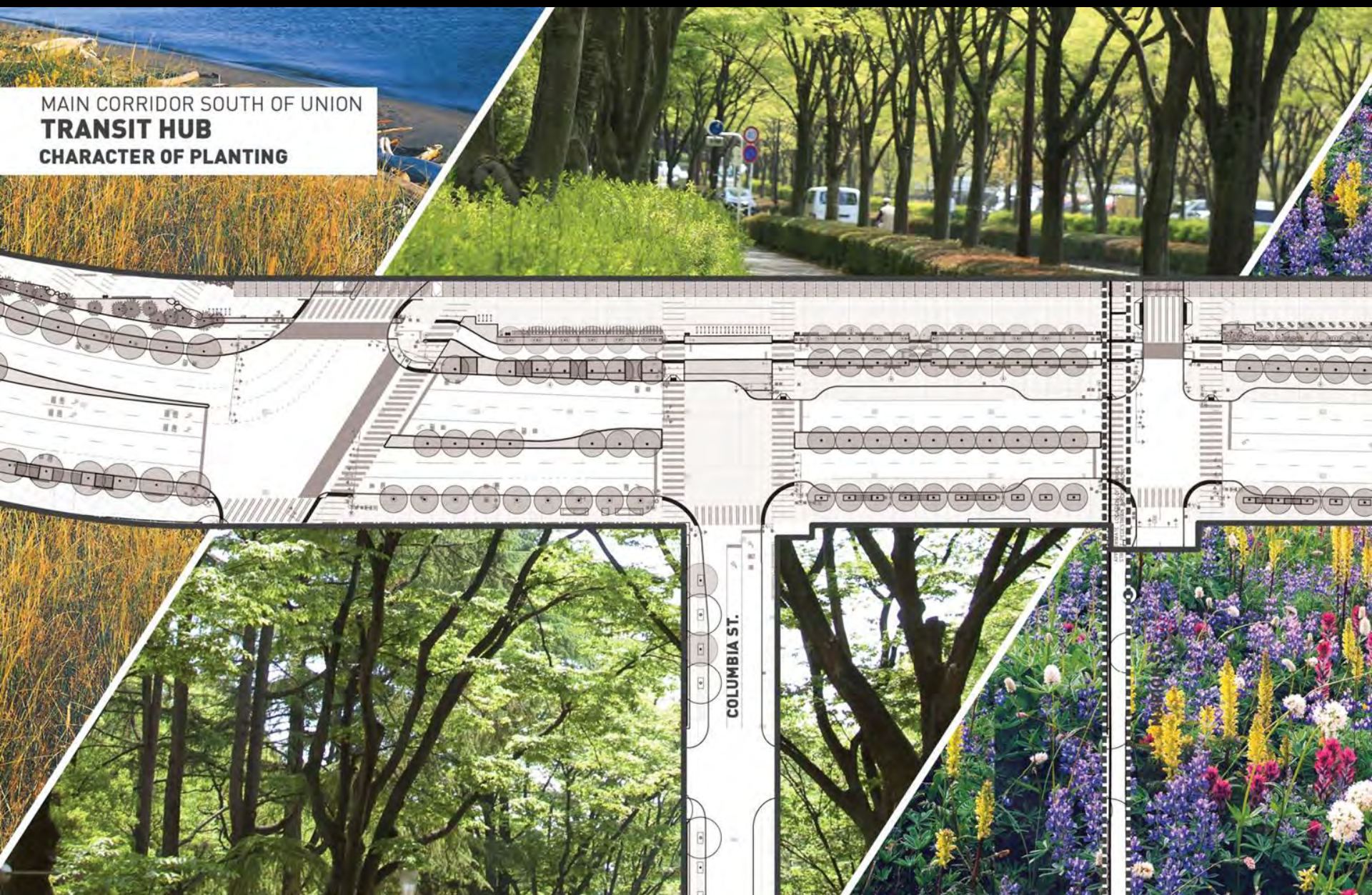


MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
CHARACTER OF MATERIALS



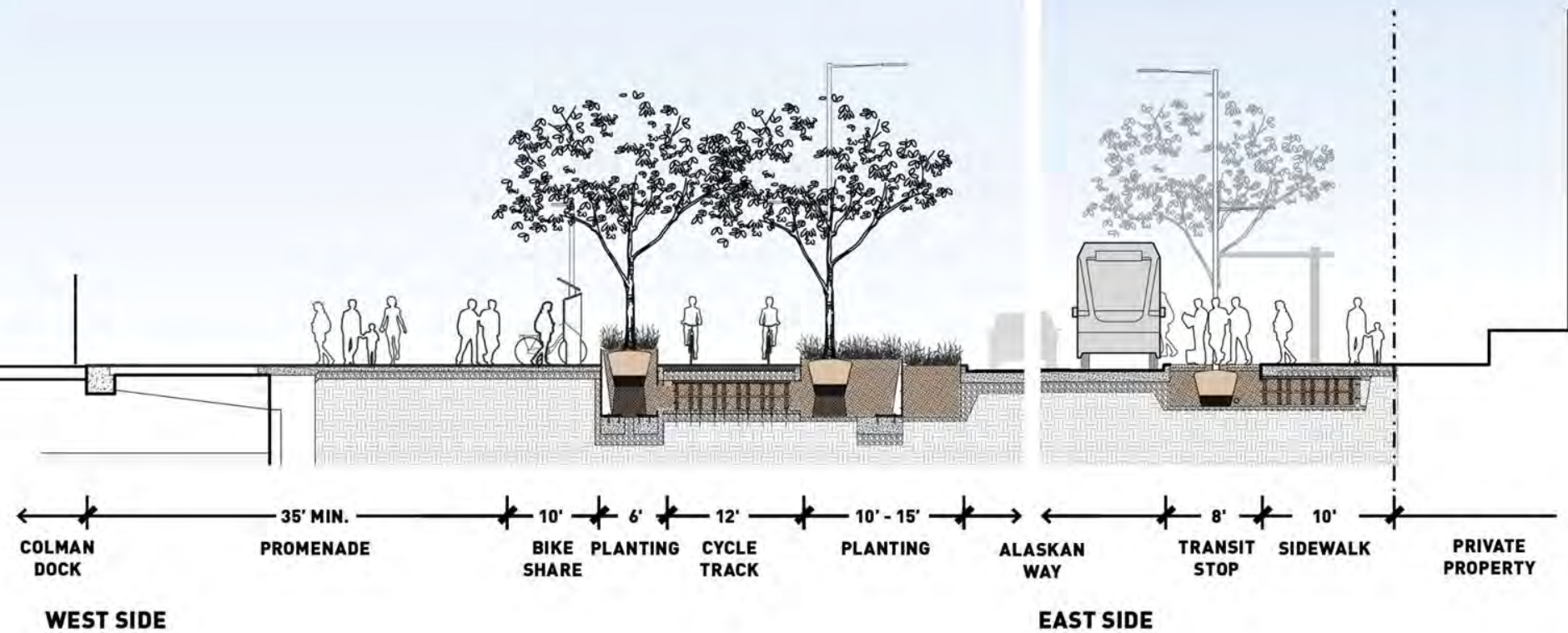


MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
CHARACTER OF PLANTING



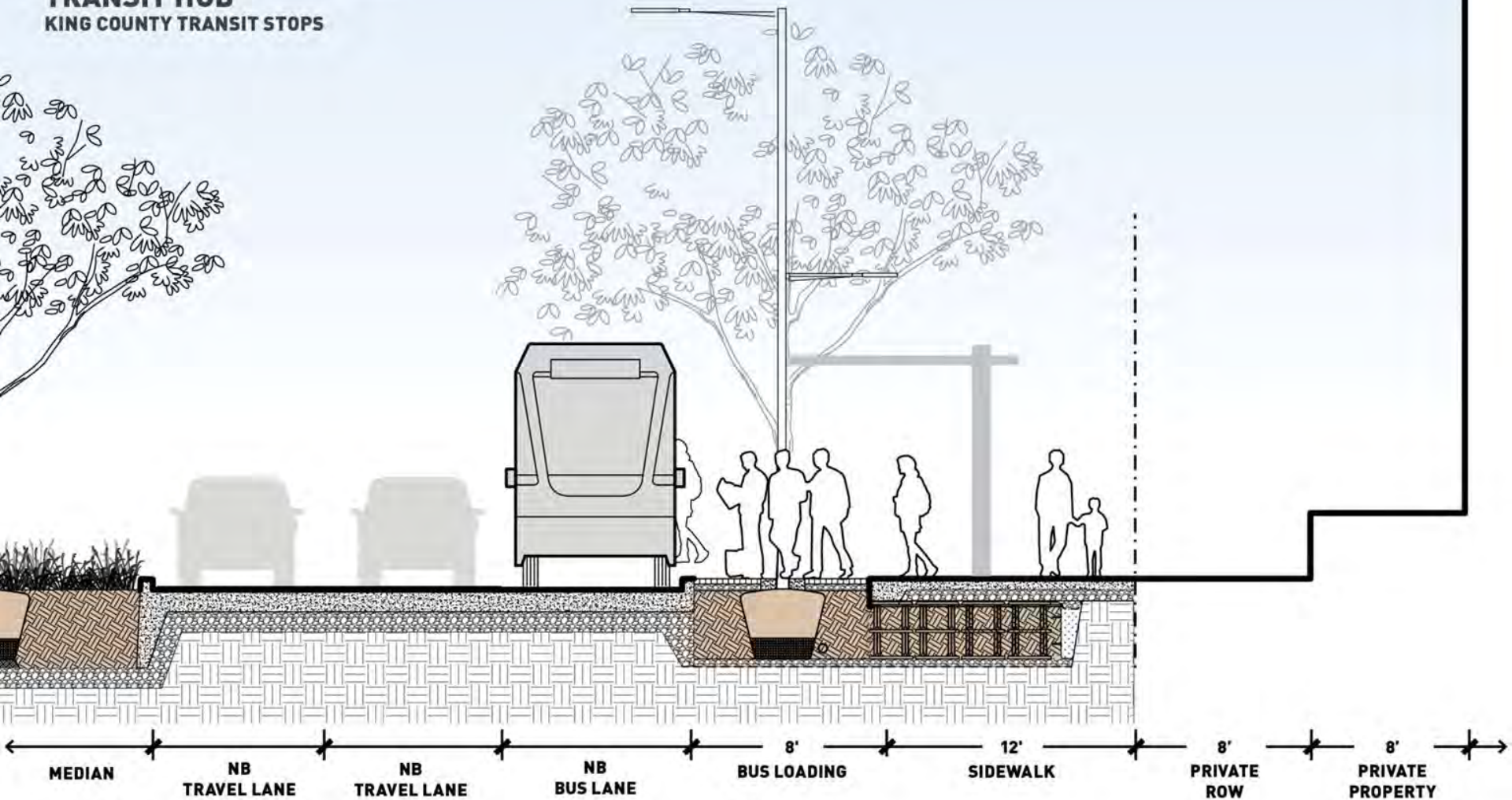


MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
SECTION



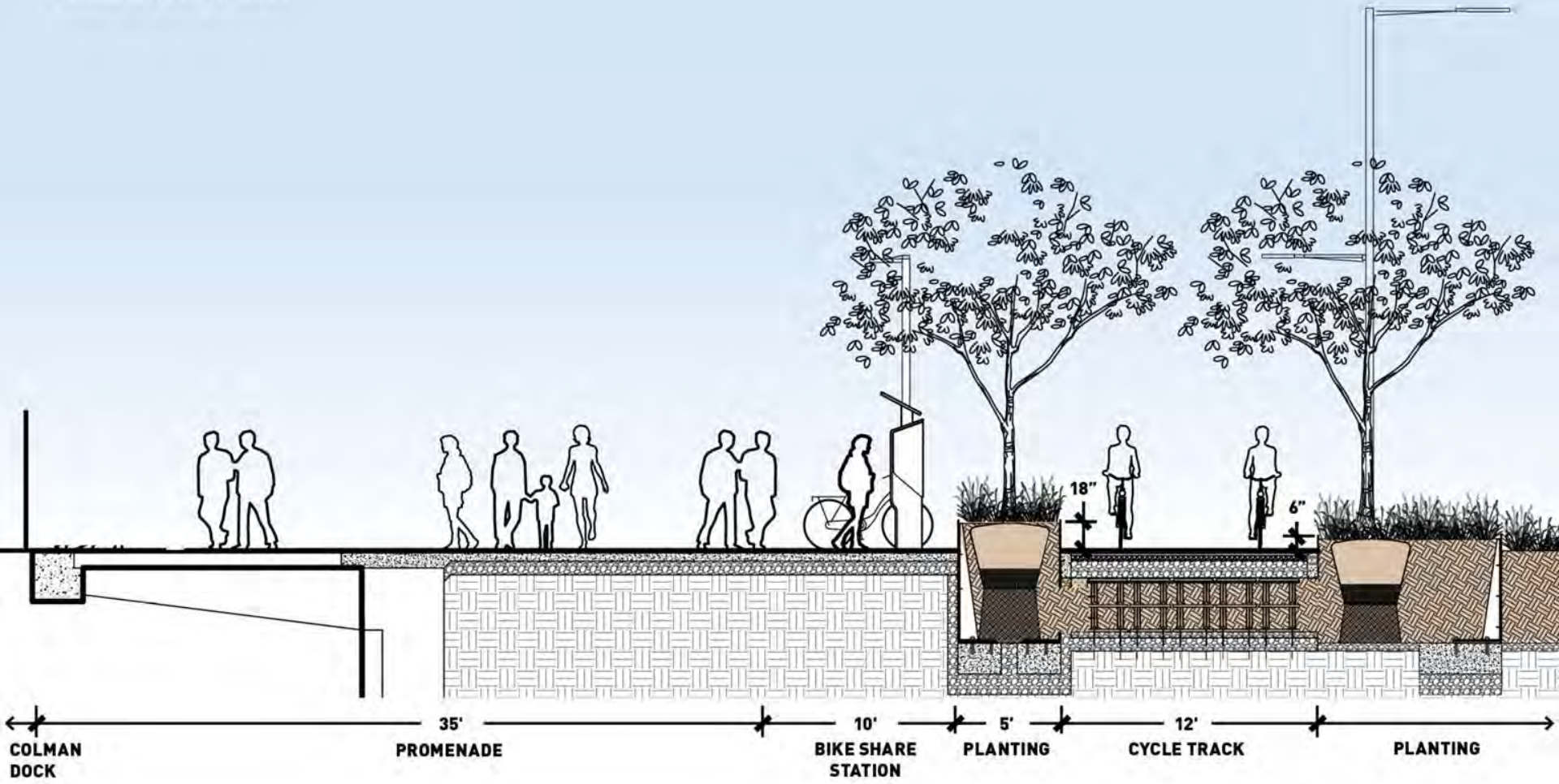


MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
KING COUNTY TRANSIT STOPS





MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
YESLER TO COLUMBIA





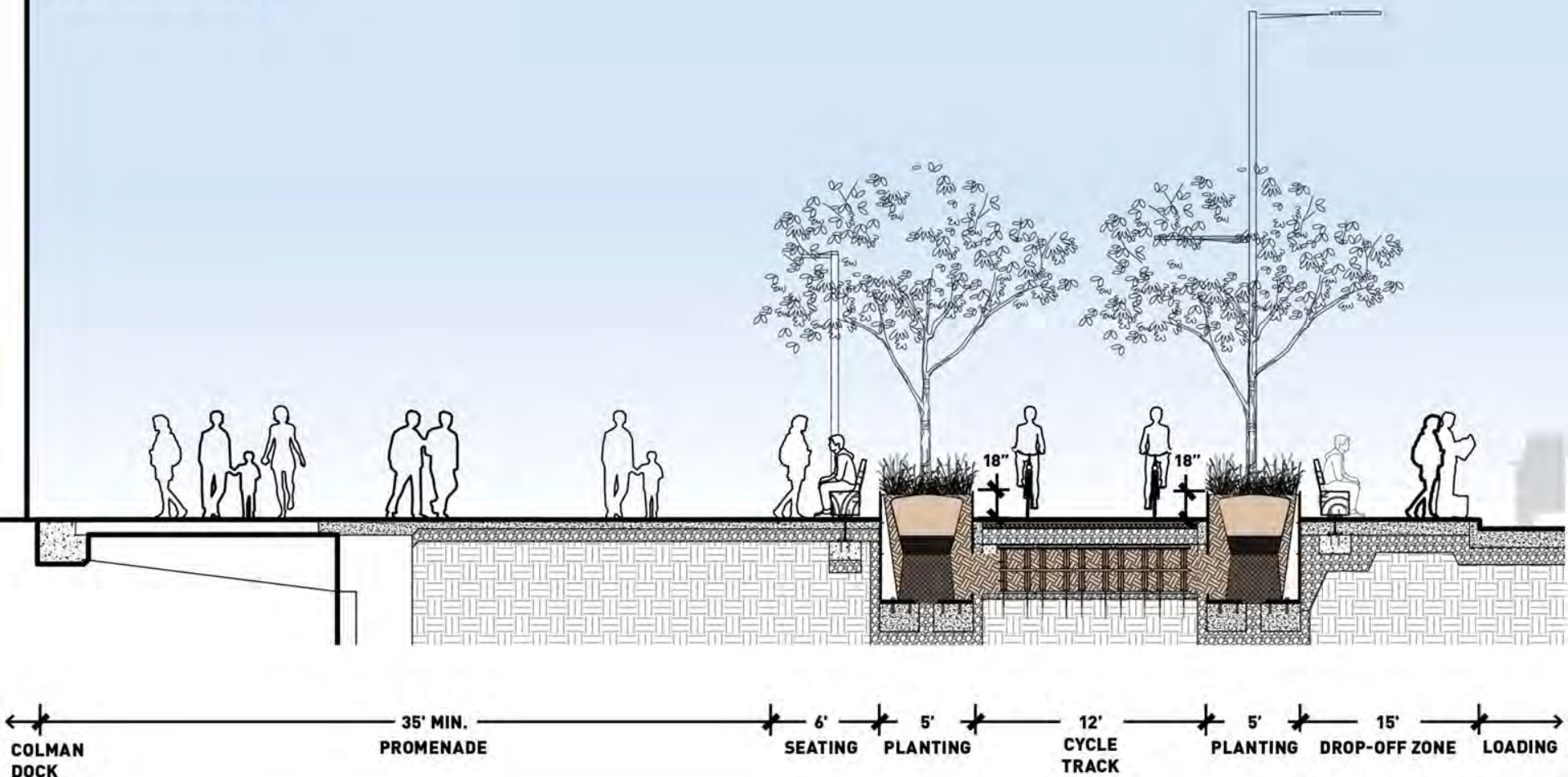
MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
**PRONTO! BIKE SHARE STATION**



station render & decal mock up



MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
COLUMBIA TO MARION





MAIN CORRIDOR SOUTH OF UNION  
**PLANTING**  
**FORMAL PALETTE**

**Common Zelkova**

*Zelkova serrata 'Green Vase'*

Height: 35'

Spread: 15'

40' —

30' —

20' —

10' —



**STREET TREE**



**TRANSIT HUB ALLÉE**







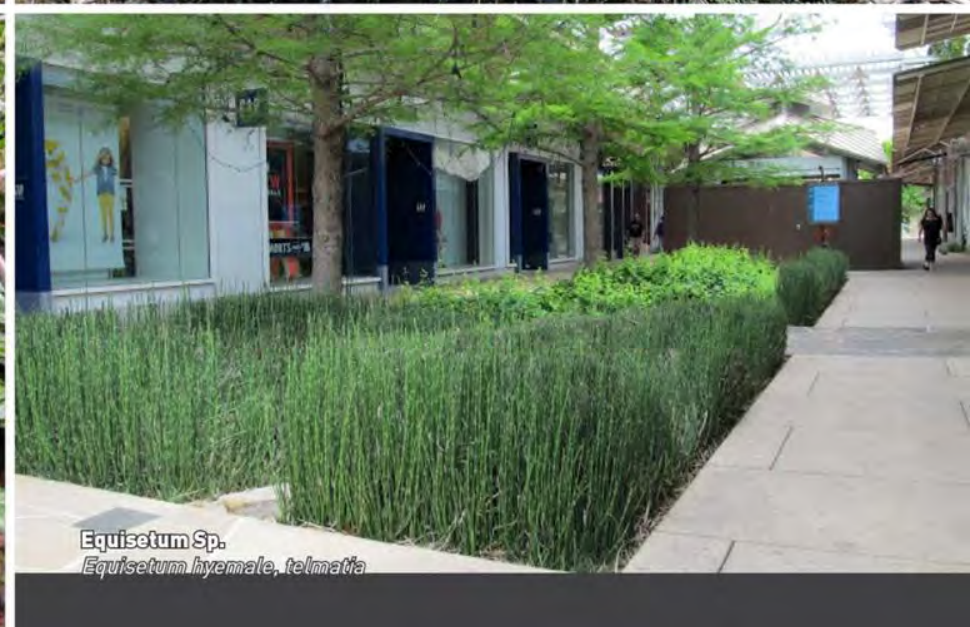
**Creeping Mahonia**  
*Mahonia repens*



**Dwarf Fountain Grass**  
*Pennisetum 'Hameln'*



**Dwarf English Laurel**  
*Prunus laurocerasus 'Mount Vernon'*



**Equisetum Sp.**  
*Equisetum hyemale, telmateia*



MAIN CORRIDOR SOUTH OF UNION  
**TRANSIT HUB**  
COLUMBIA STREET

PIONEER SQ.  
HISTORIC DIST.

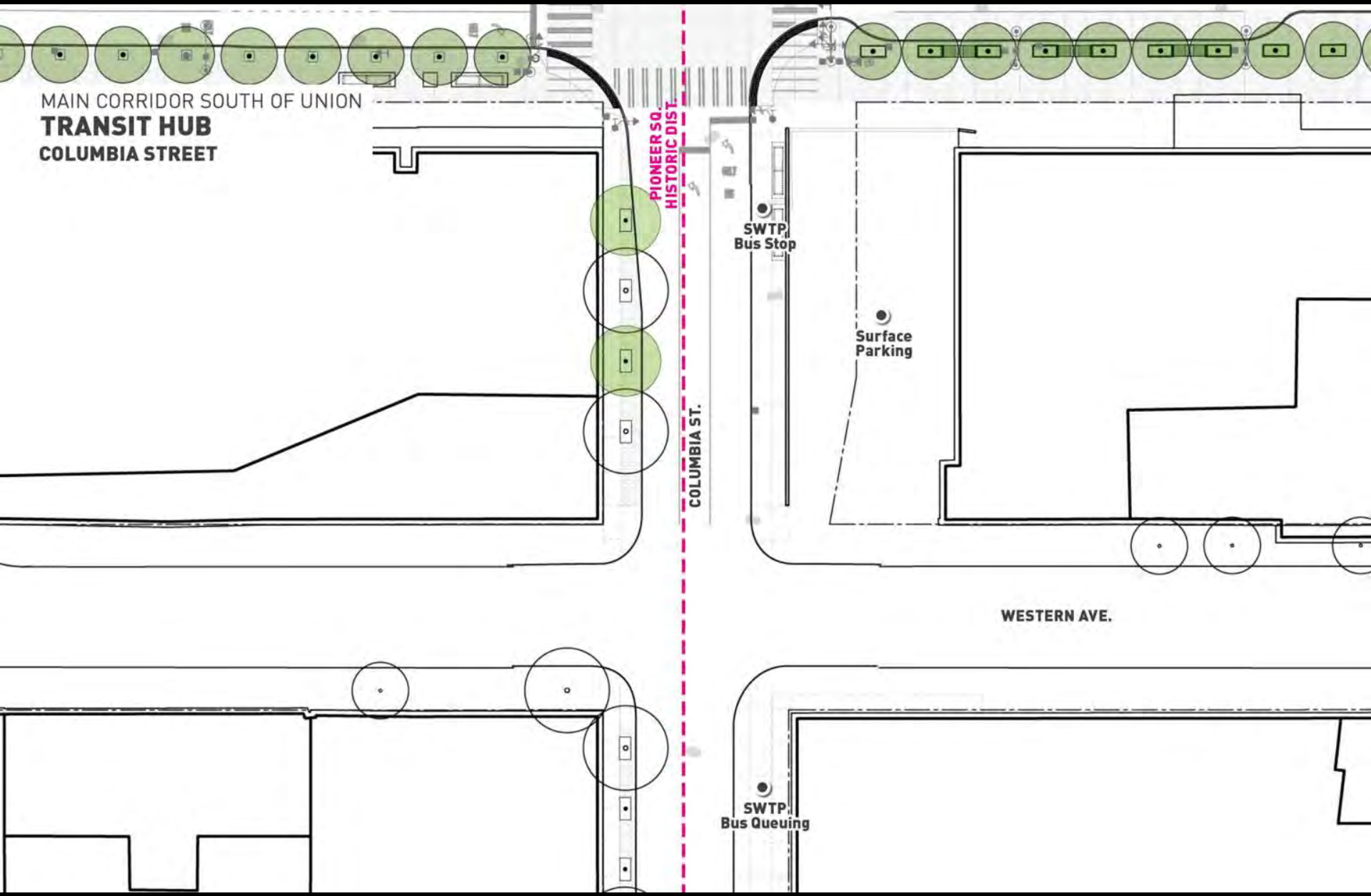
COLUMBIA ST.

SWTP  
Bus Stop

Surface  
Parking

WESTERN AVE.

SWTP  
Bus Queuing





MAIN CORRIDOR SOUTH OF UNION  
**COLUMBIA STREET**  
EXISTING CONDITIONS



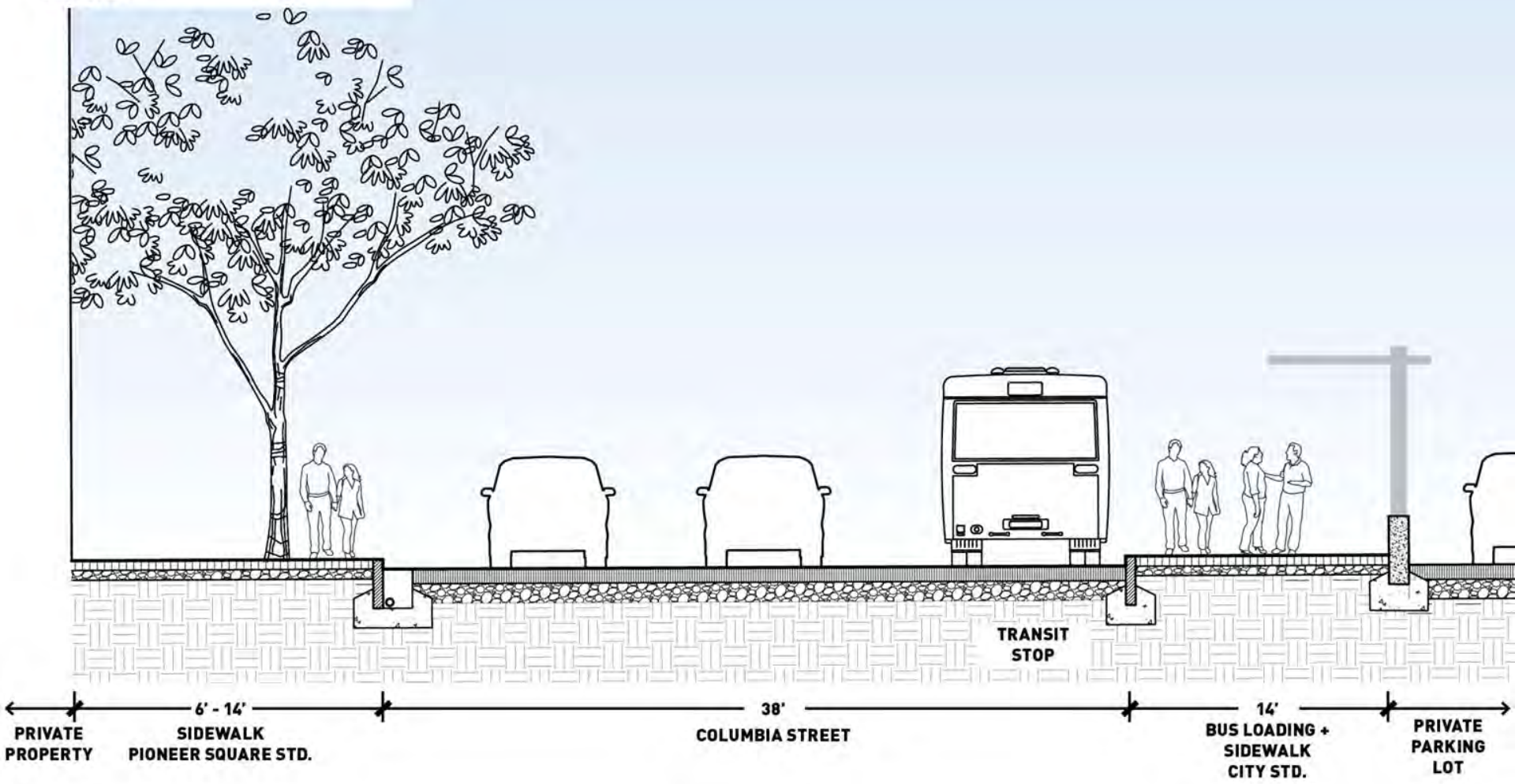
© 2014 Google  
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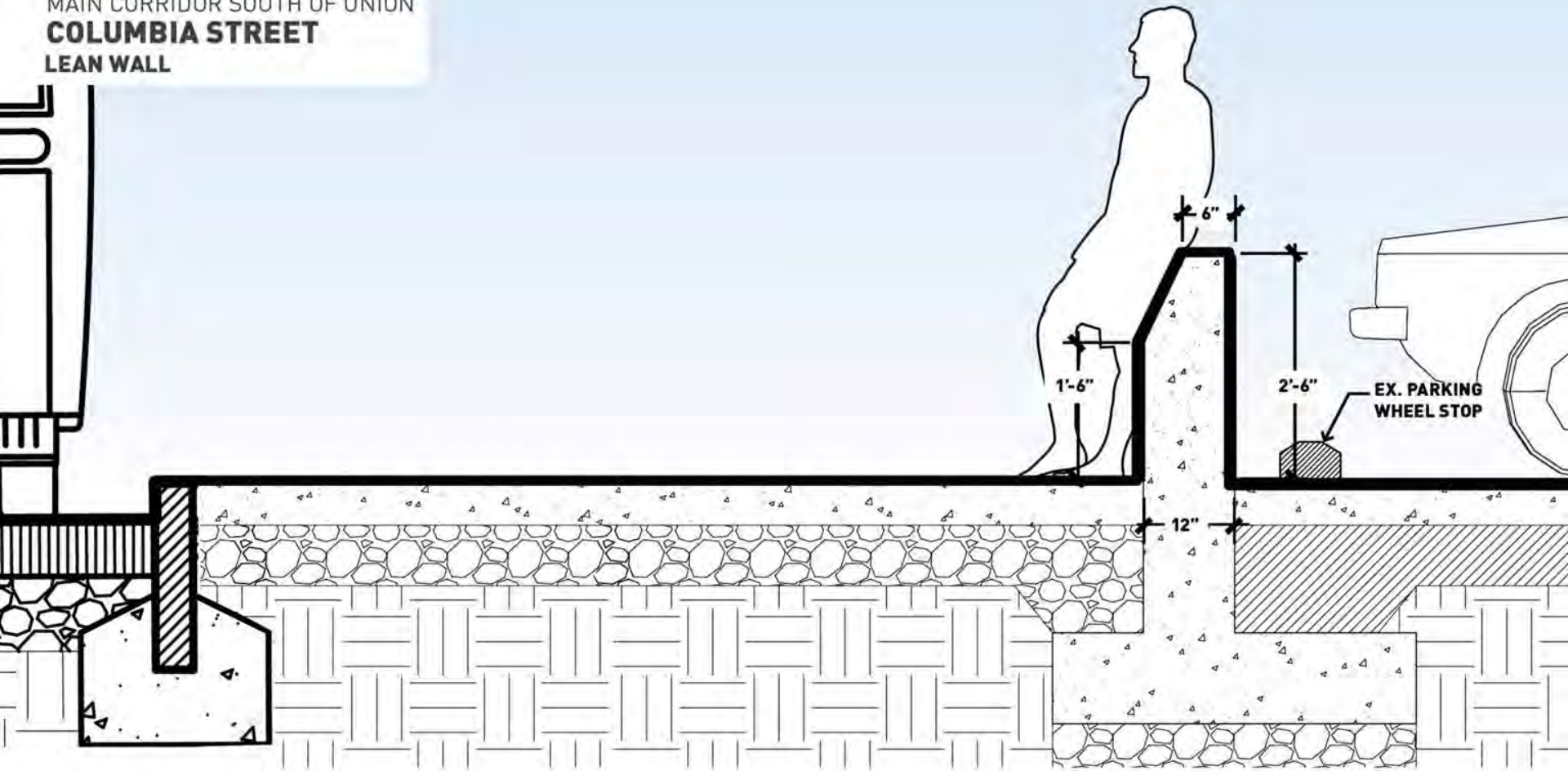


MAIN CORRIDOR SOUTH OF UNION  
**COLUMBIA STREET**  
SECTION





MAIN CORRIDOR SOUTH OF UNION  
**COLUMBIA STREET**  
LEAN WALL



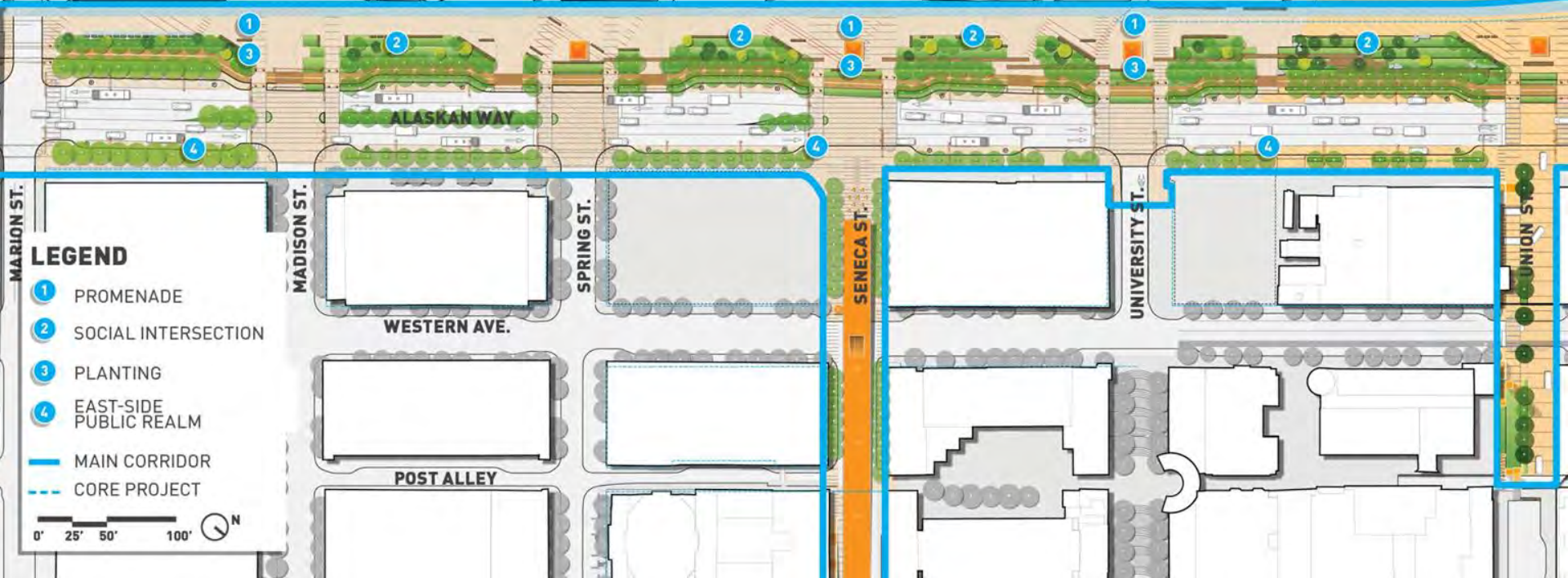
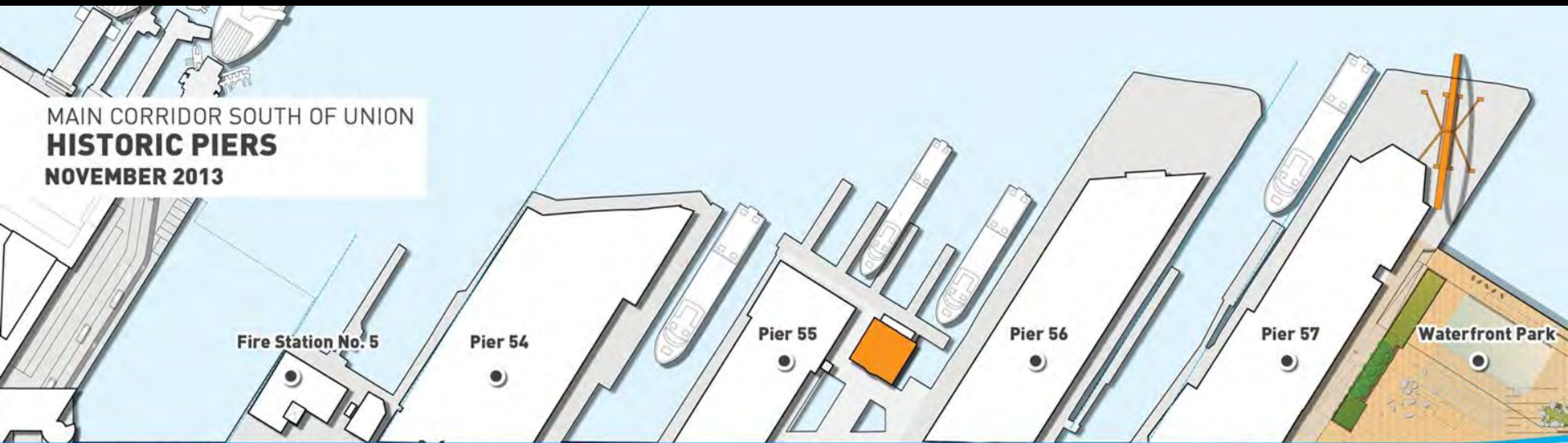
STREET

SIDEWALK + BUS LOADING

EXISTING PRIVATE  
PARKING LOT

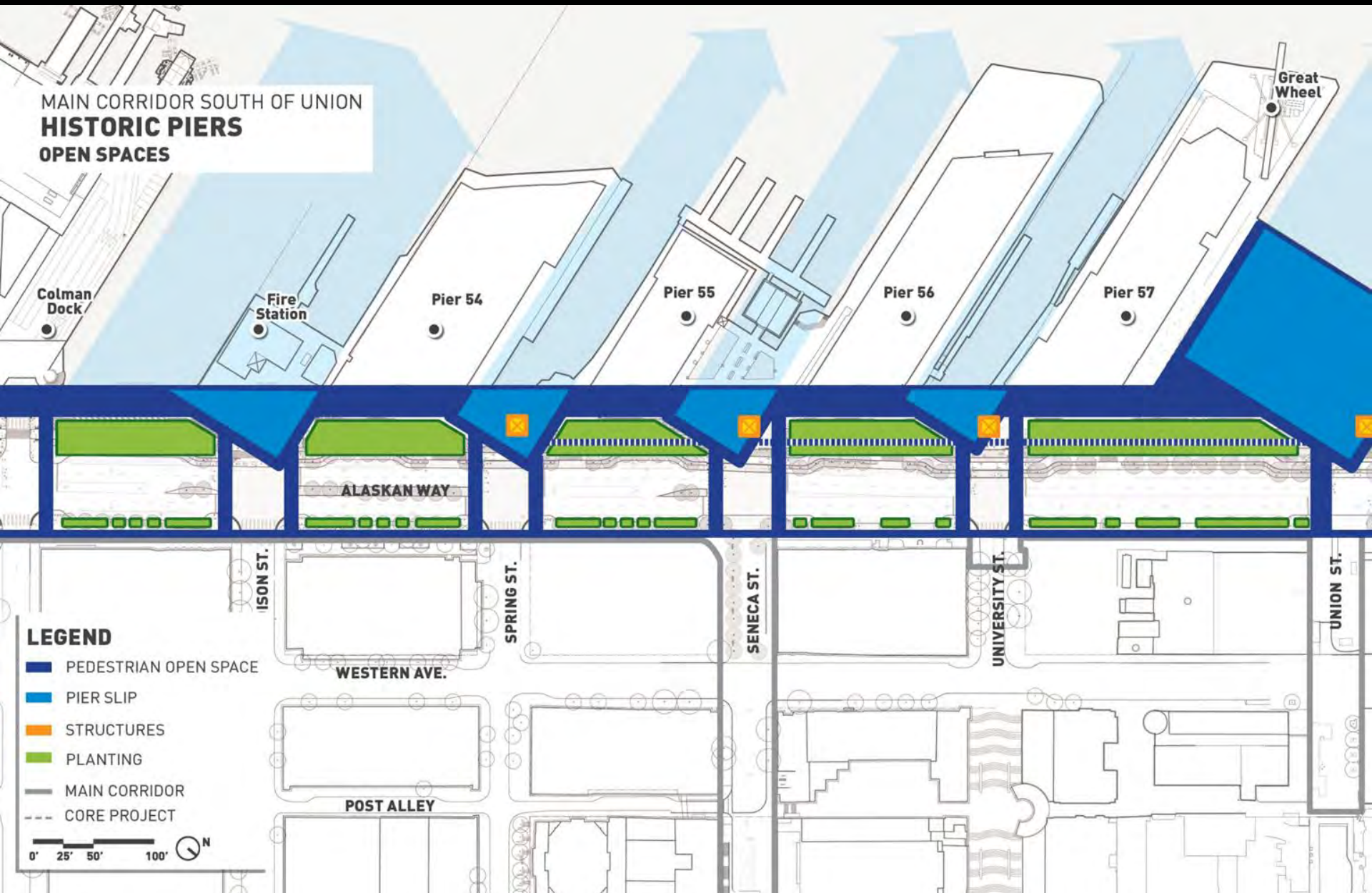


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
NOVEMBER 2013



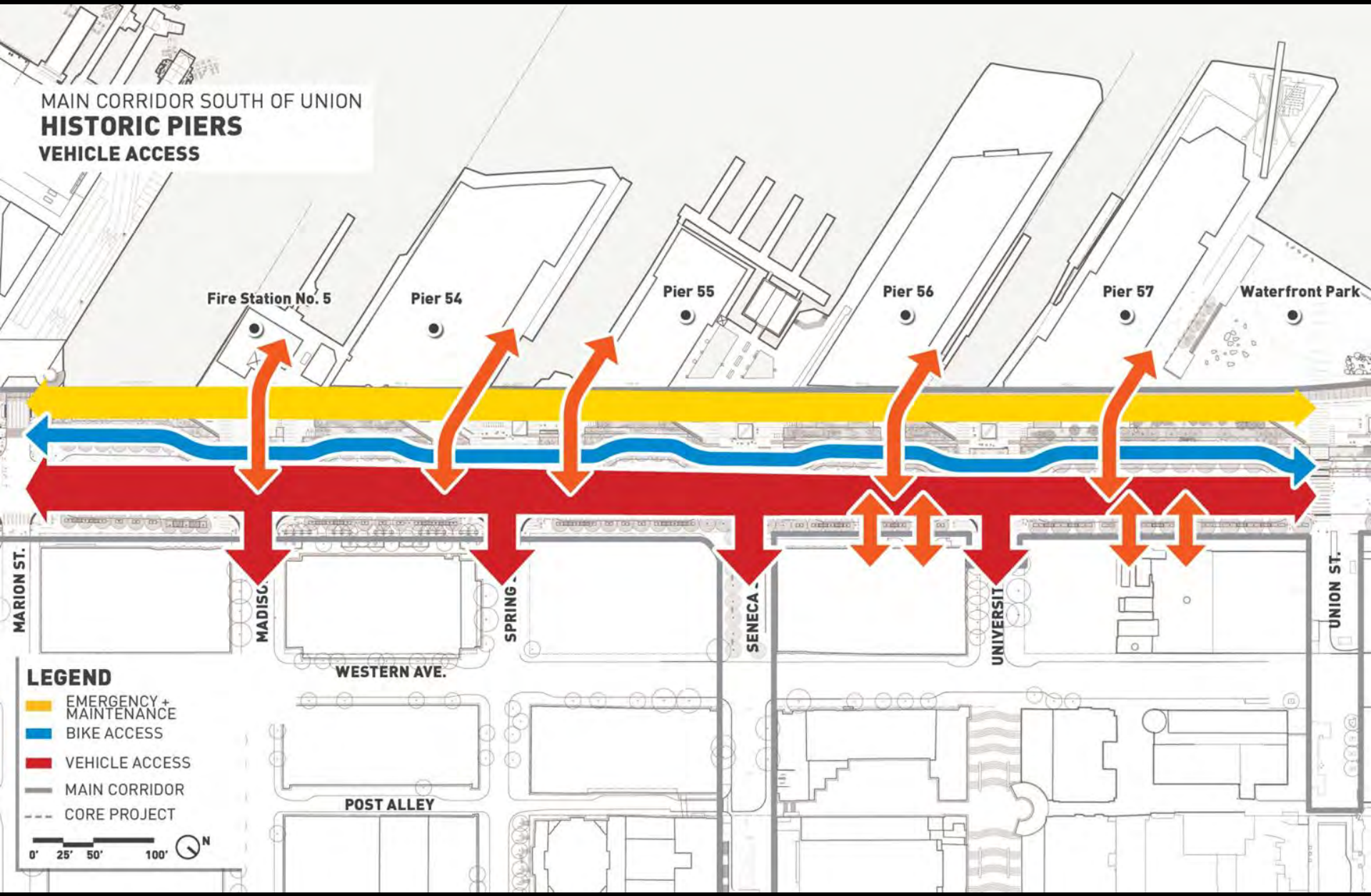


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**OPEN SPACES**



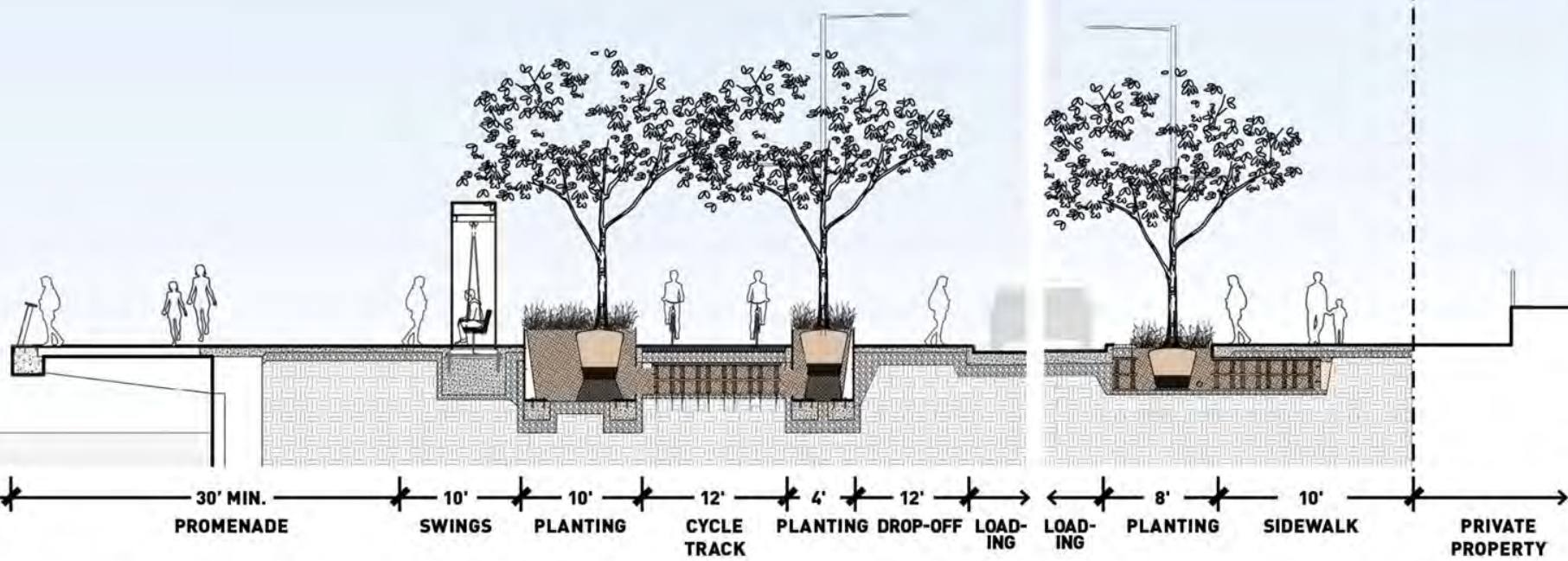


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**VEHICLE ACCESS**





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
SECTION AT FIREHOUSE SLIP



WEST SIDE

EAST SIDE



MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
EAST SIDE

Fire Station No. 5

Pier 54

Pier 55

Pier 56

Pier 57

Waterfront Park

ALASKAN WAY

MARION ST.

MADISON ST.

SPRING ST.

SENECA ST.

UNIVERSITY ST.

UNION ST.

WESTERN AVE.

POST ALLEY

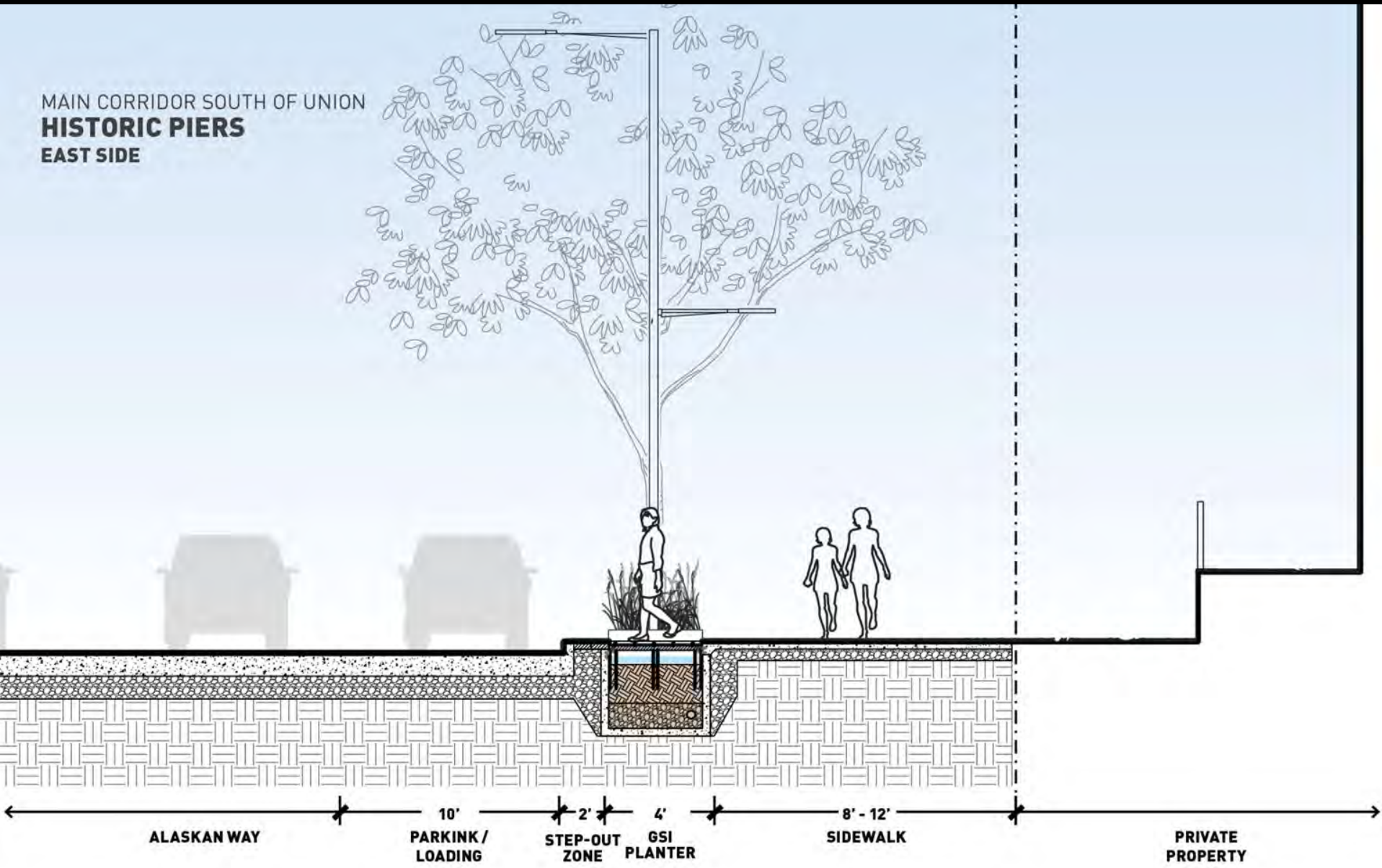
**LEGEND**

- PRIVATE PROPERTY
- MAIN CORRIDOR
- CORE PROJECT



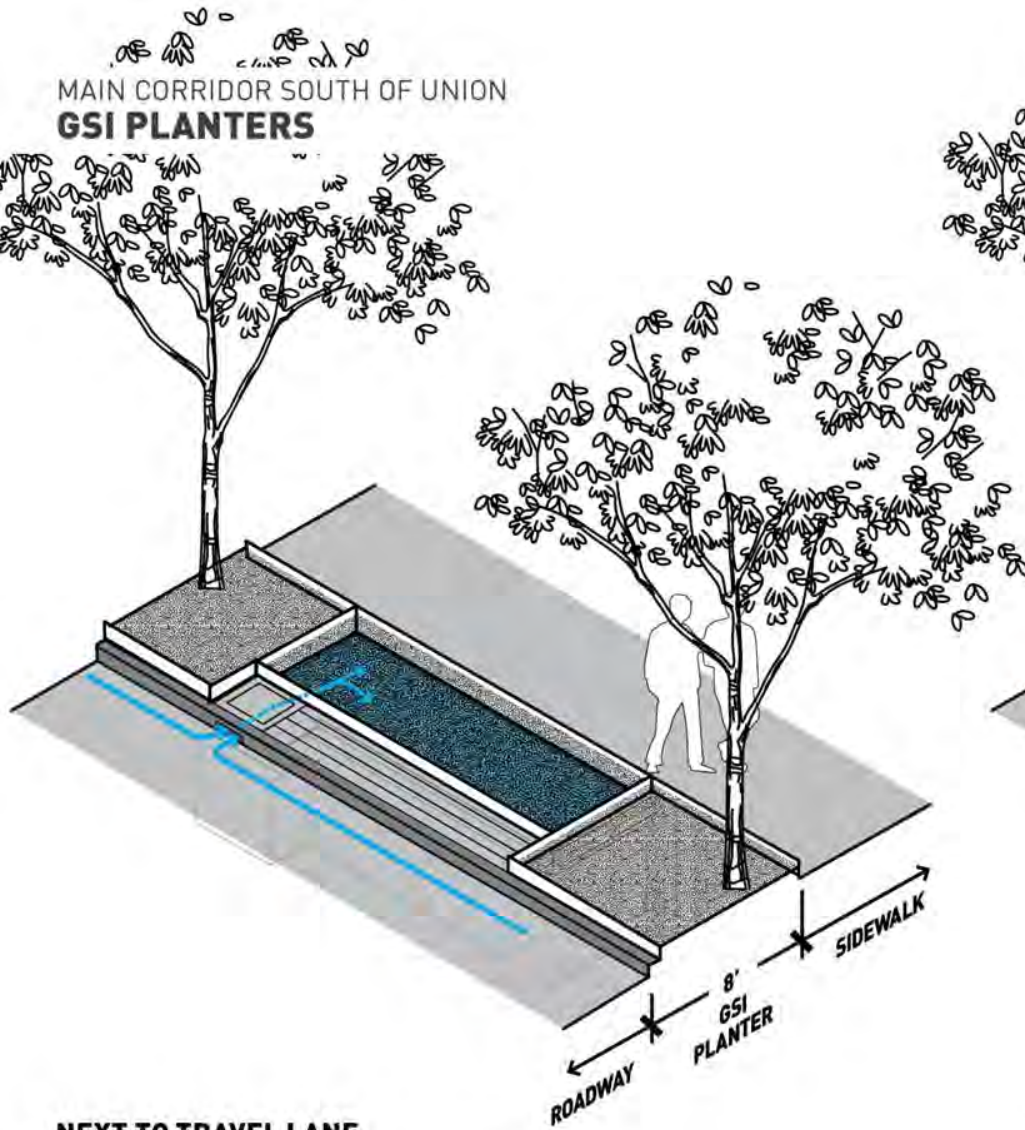


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
EAST SIDE

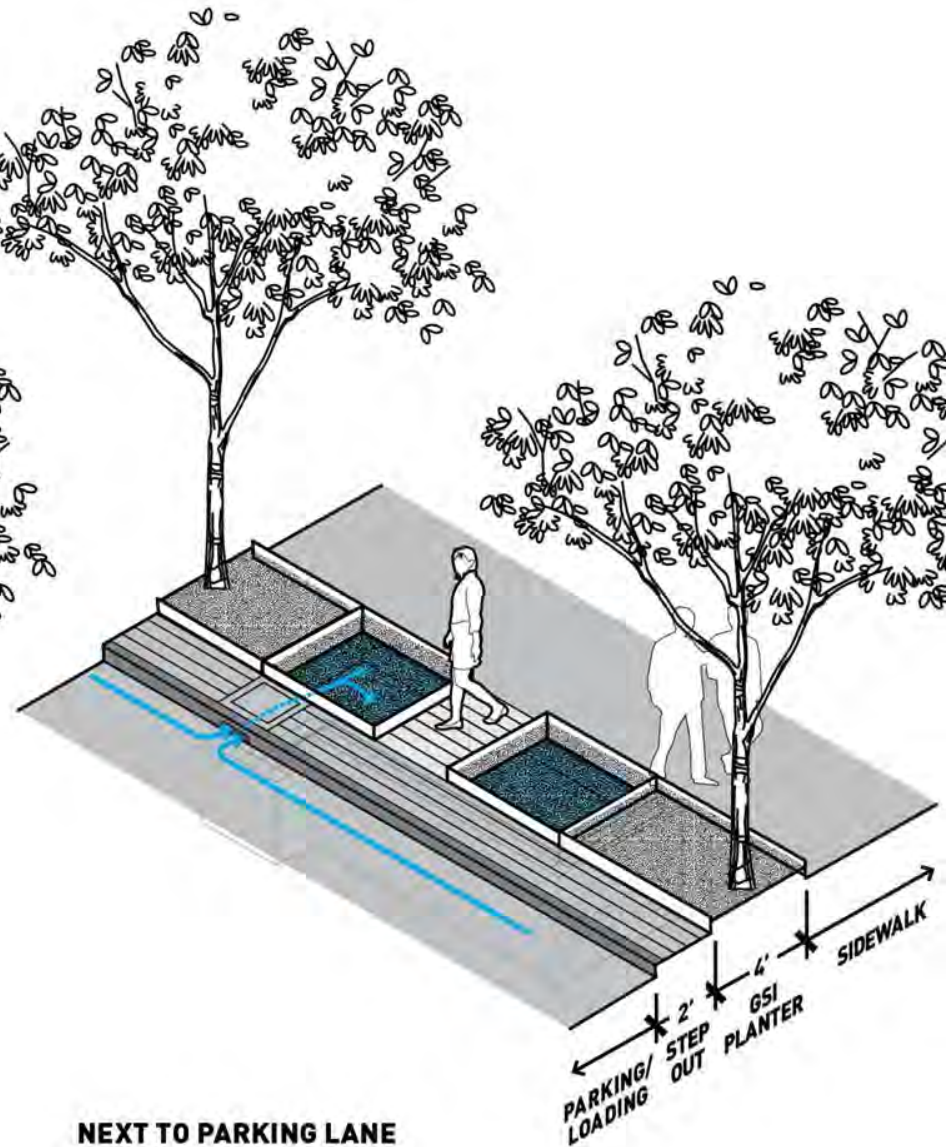




MAIN CORRIDOR SOUTH OF UNION  
**GSI PLANTERS**



**NEXT TO TRAVEL LANE  
(SOUTH OF YESLER)**



**NEXT TO PARKING LANE  
(NORTH OF YESLER)**



MAIN CORRIDOR SOUTH OF UNION  
**GSI PLANTERS**





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
EAST SIDE: EXISTING





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
EAST SIDE: SEAWALL PHASE





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
EAST SIDE: CURRENT DESIGN





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
EAST SIDE: CURRENT DESIGN



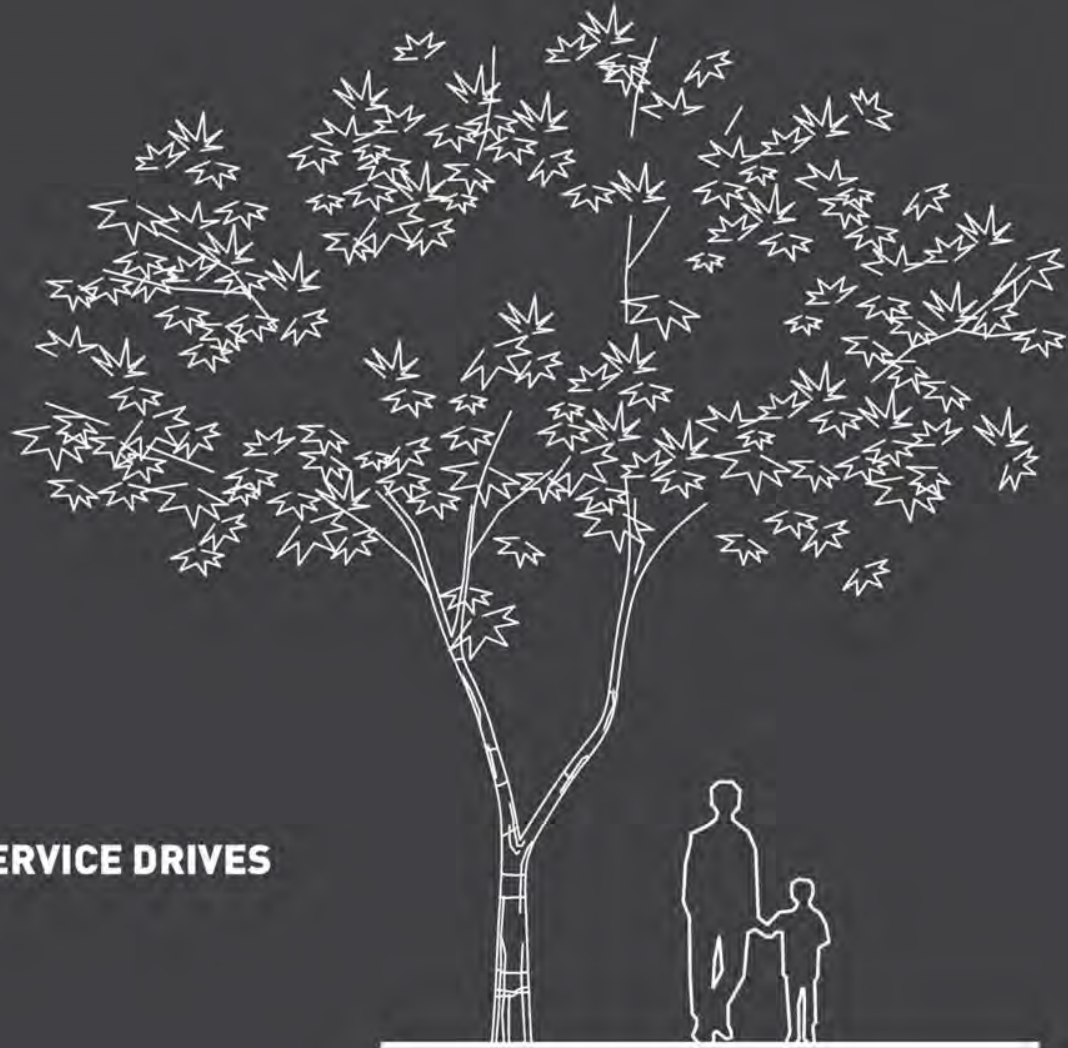


MAIN CORRIDOR SOUTH OF UNION

## **MAIN CORRIDOR STREET TREES**

**TECHNICAL CONFLICTS + CITY REQUIREMENTS**

- 1. UTILITY CONFLICTS**
- 2. VEHICLE SIGHT TRIANGLES**
- 3. CYCLE TRACK SIGHT TRIANGLES**
- 4. PEDESTRIAN SIGHT TRIANGLES**
- 5. SPACING REQUIREMENTS**
- 6. CURB OFFSET REQUIREMENTS**
- 7. EAST AND WEST-SIDE ACCESS AND SERVICE DRIVES**
- 8. BUS/TRANSIT LOADING**





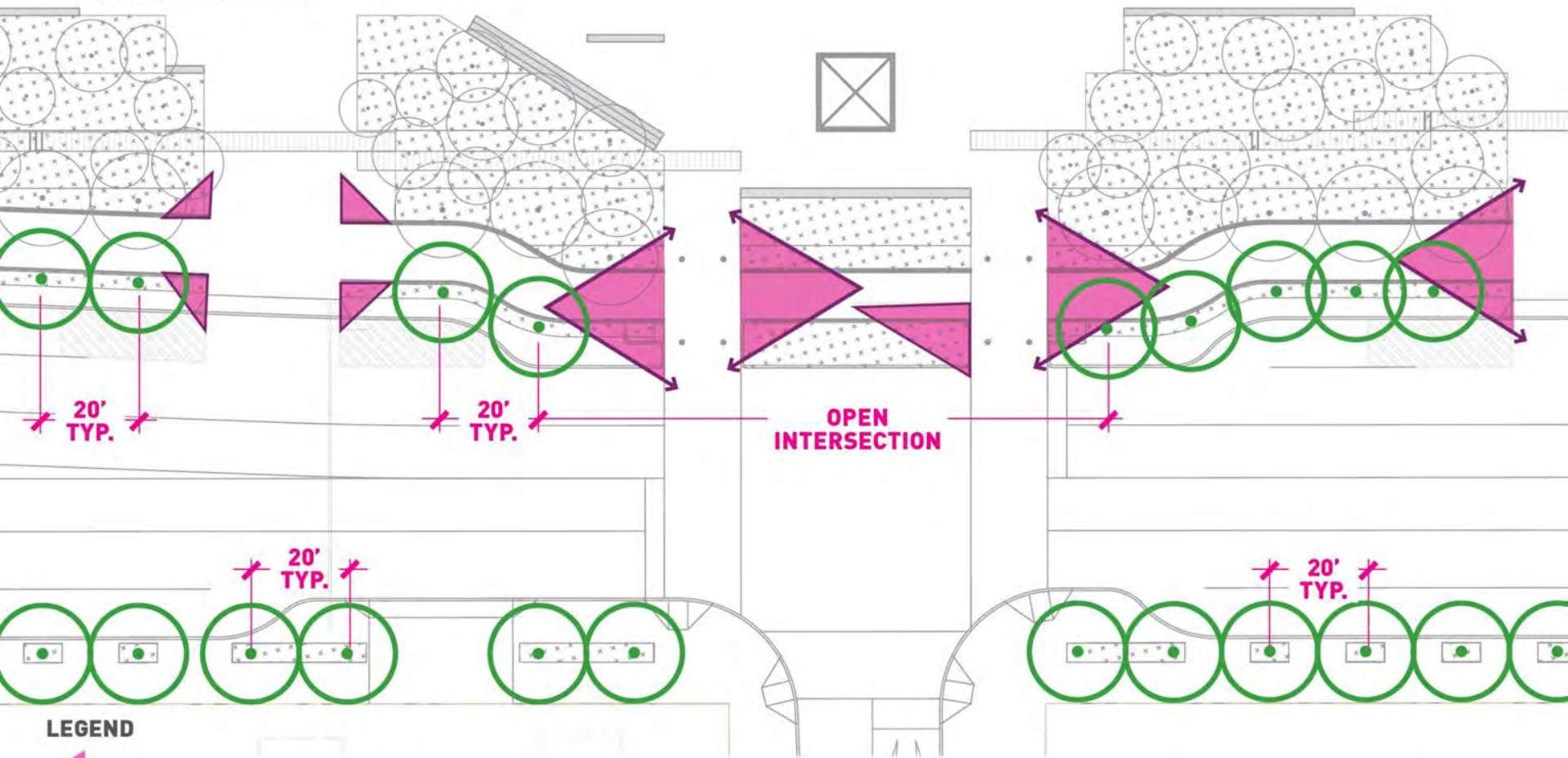
OPEN WATER

PIER 37

MAIN CORRIDOR SOUTH OF UNION

## SIGHT LINES

### 60% STREET TREE LAYOUT



## LEGEND

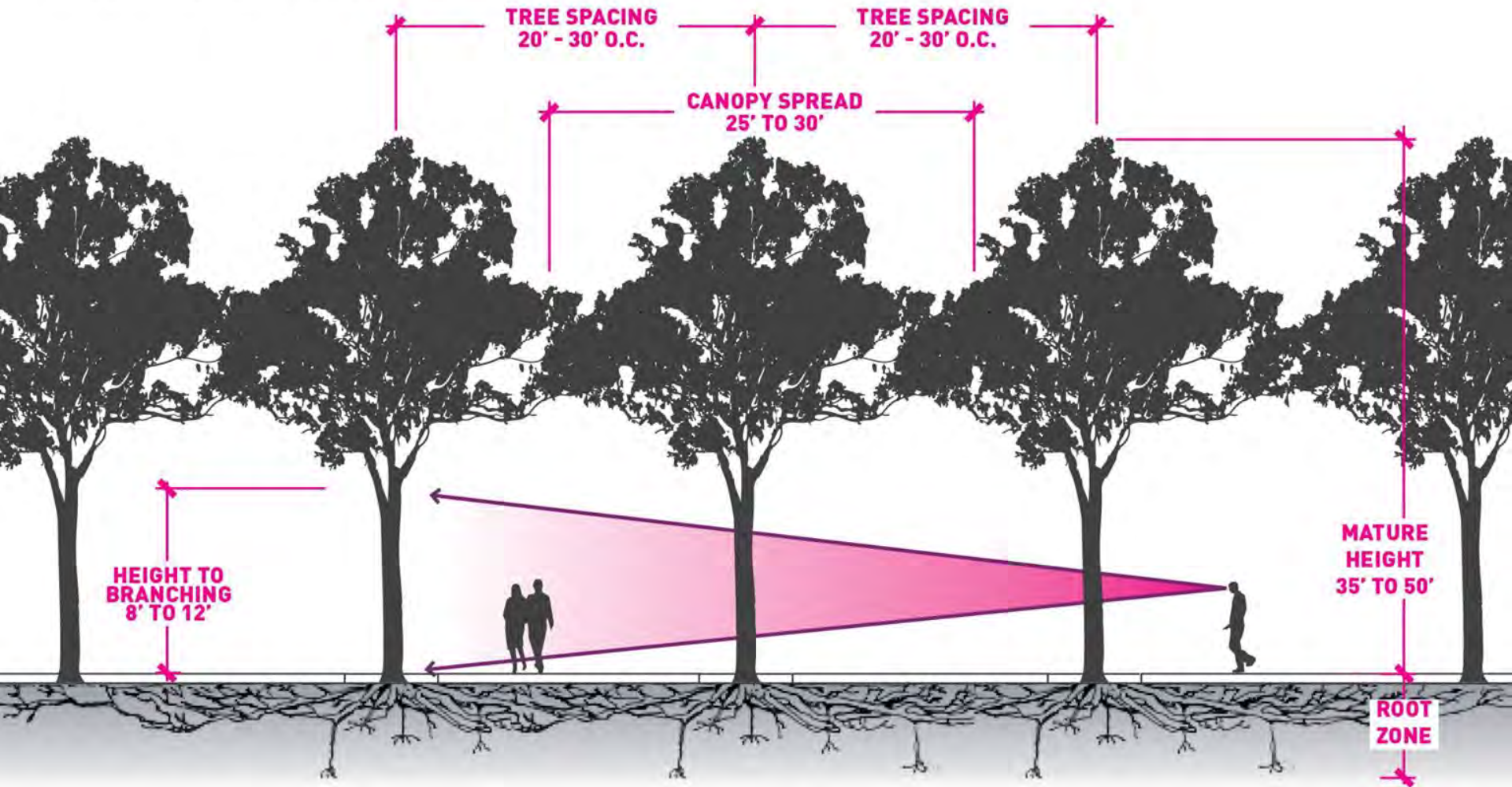
 Sight Triangles (Cycle Track)



MAIN CORRIDOR SOUTH OF UNION

**SIGHT LINES**

**TREE SPACING, HEIGHT TO BRANCHING + SPREAD**

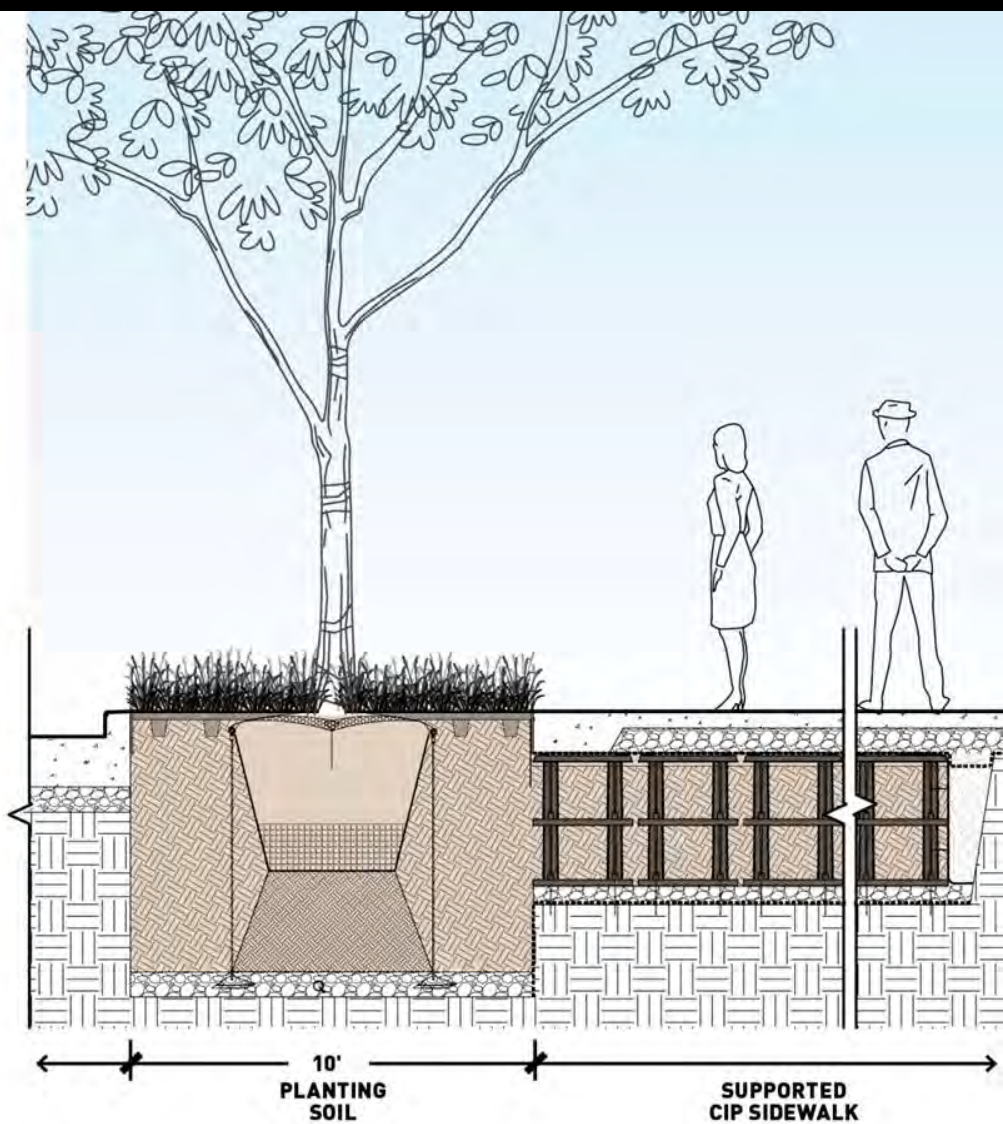




MAIN CORRIDOR SOUTH OF UNION  
**STREET TREE PLANTING**  
**STREET TREES ROOT ZONE**



**WEST-SIDE**  
SOIL CELLS UNDER CYCLE TRACK



**EAST-SIDE**  
SOIL CELLS UNDER SIDEWALK



MAIN CORRIDOR SOUTH OF UNION  
**STREET TREE PLANTING**  
**PAVEMENT SUPPORT SYSTEMS**



**STRUCTURAL SOIL**  
**80% AGGREGATE + 20% PLANTING SOIL**

↑  
**SUPPORTS  
PAVEMENT**

↑  
**SUPPORTS  
TREE**



**SOIL CELLS**  
**5% PLASTIC STRUCTURE + 95% PLANTING SOIL**

↑  
**SUPPORTS  
PAVEMENT**

↑  
**SUPPORTS  
TREE**



MAIN CORRIDOR SOUTH OF UNION  
**STREET TREE PLANTING**  
TREES GROWING IN STRUCTURAL SOIL



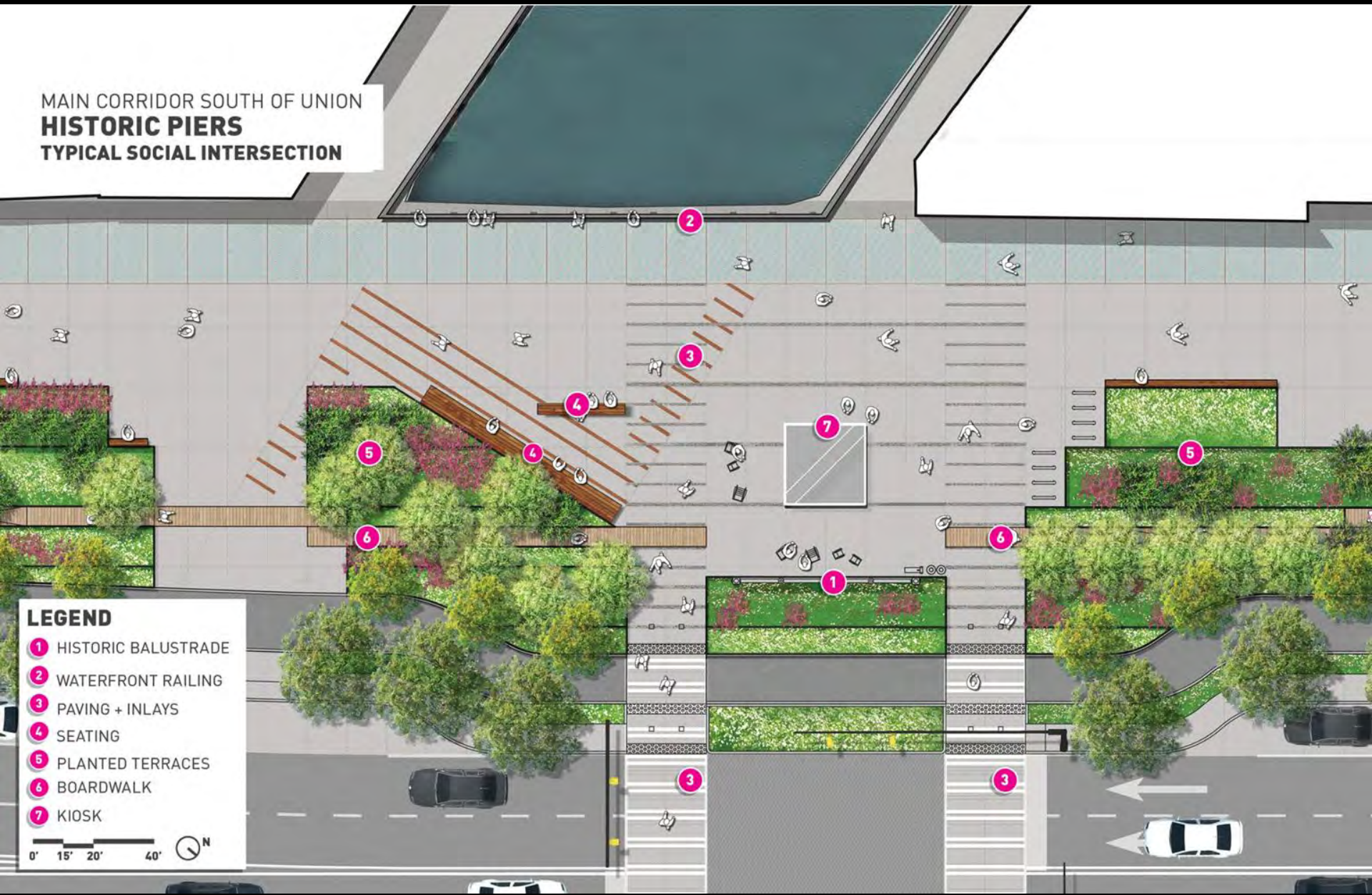


MAIN CORRIDOR SOUTH OF UNION  
**STREET TREE PLANTING**  
TREES GROWING IN SOIL CELLS





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
TYPICAL SOCIAL INTERSECTION



- LEGEND**
- 1 HISTORIC BALUSTRADE
  - 2 WATERFRONT RAILING
  - 3 PAVING + INLAYS
  - 4 SEATING
  - 5 PLANTED TERRACES
  - 6 BOARDWALK
  - 7 KIOSK



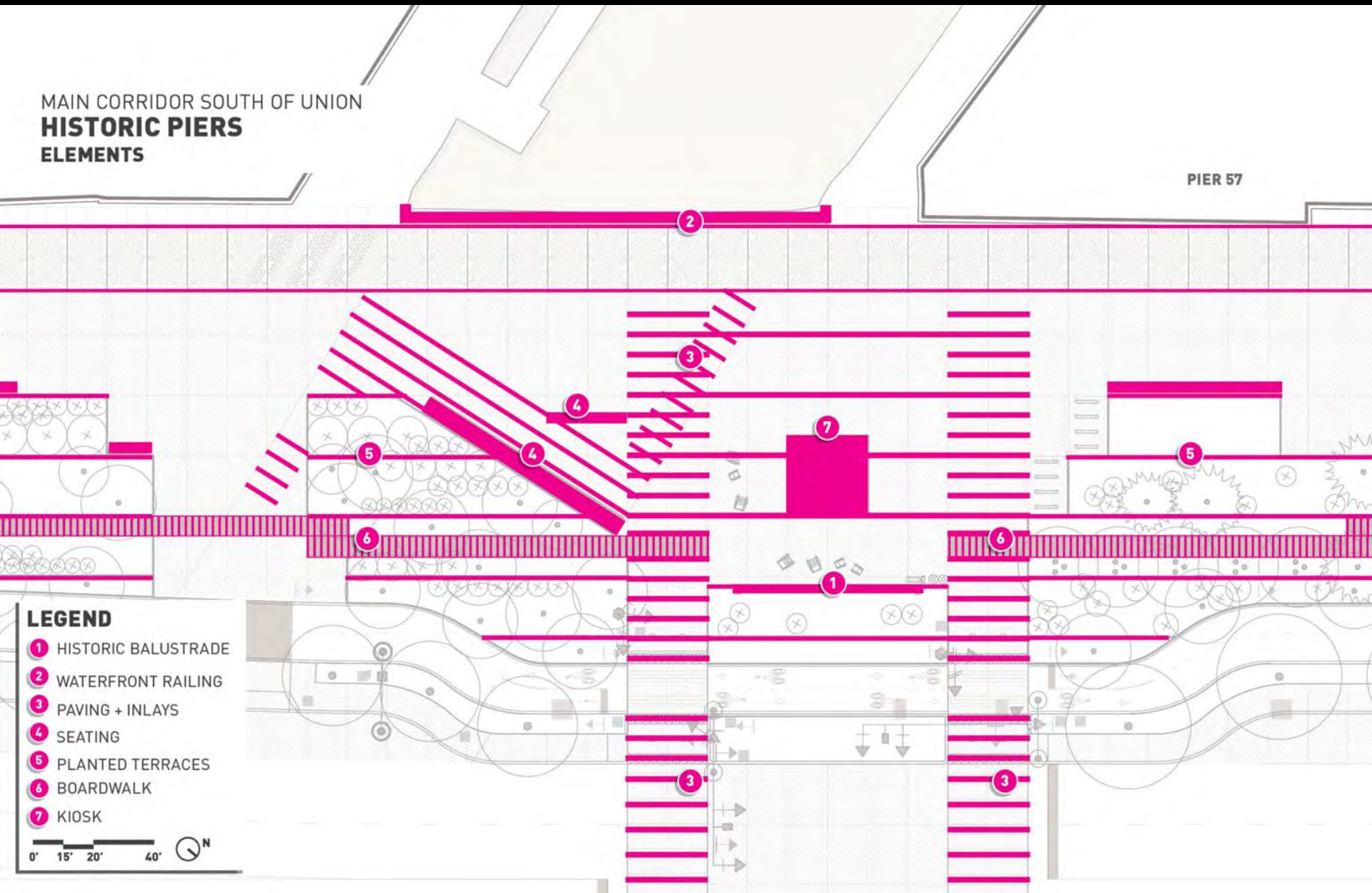


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS  
ELEMENTS**

PIER 57

**LEGEND**

- 1 HISTORIC BALUSTRADE
- 2 WATERFRONT RAILING
- 3 PAVING + INLAYS
- 4 SEATING
- 5 PLANTED TERRACES
- 6 BOARDWALK
- 7 KIOSK





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC BALUSTRADE**  
EXISTING CONDITION

BALUSTRADE AT PIER 69 - 1937



DISTINCT POST DETAIL

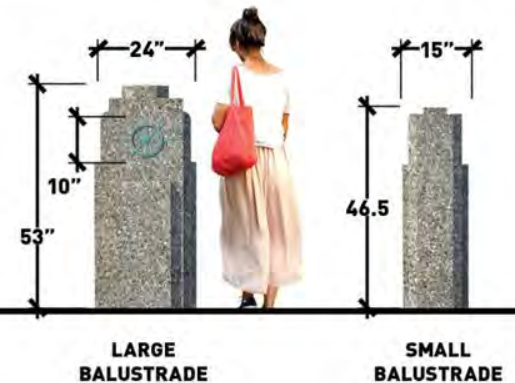
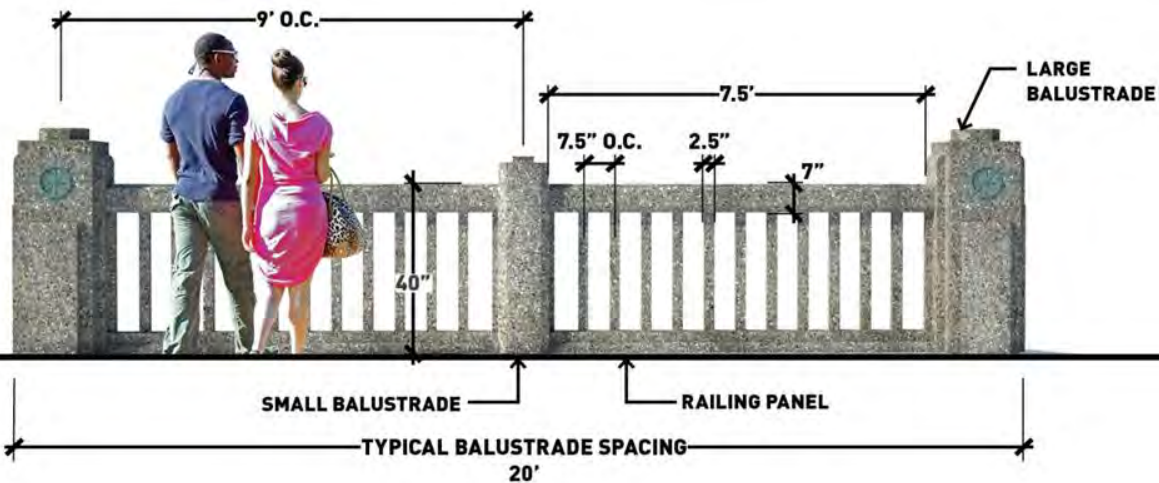
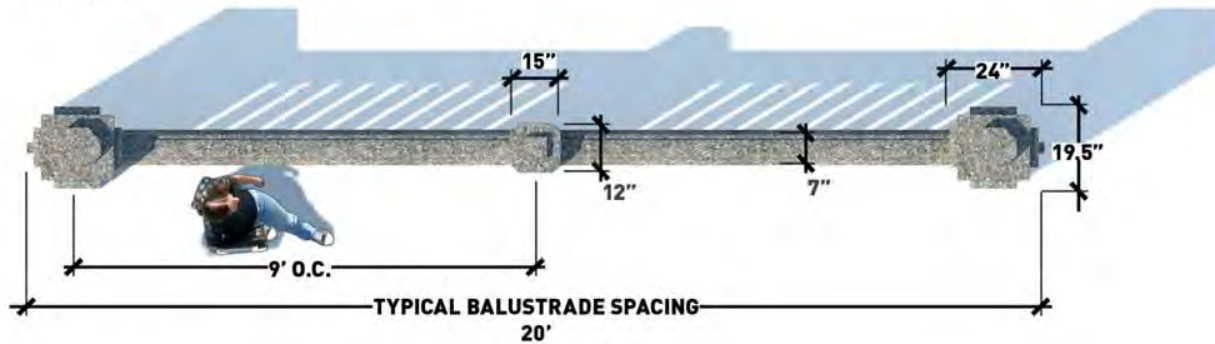


UNIQUE JOINTS



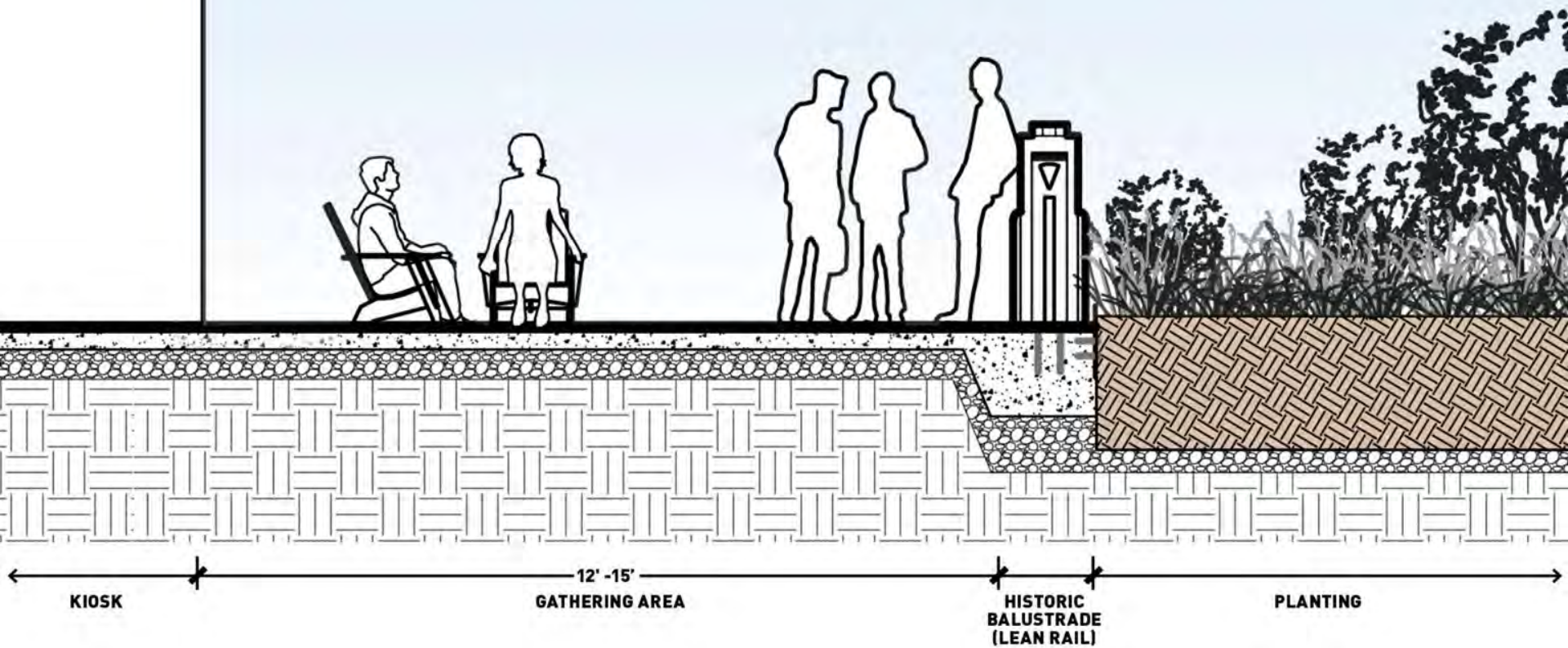


### MAIN CORRIDOR SOUTH OF UNION HISTORIC BALUSTRADE TYPICAL DIMENSIONS



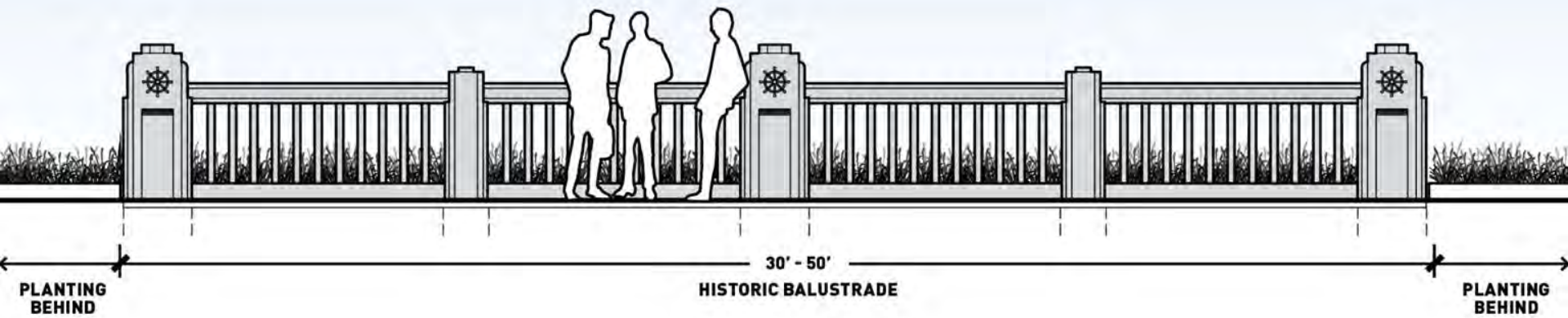


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC BALUSTRADE  
RELOCATION**



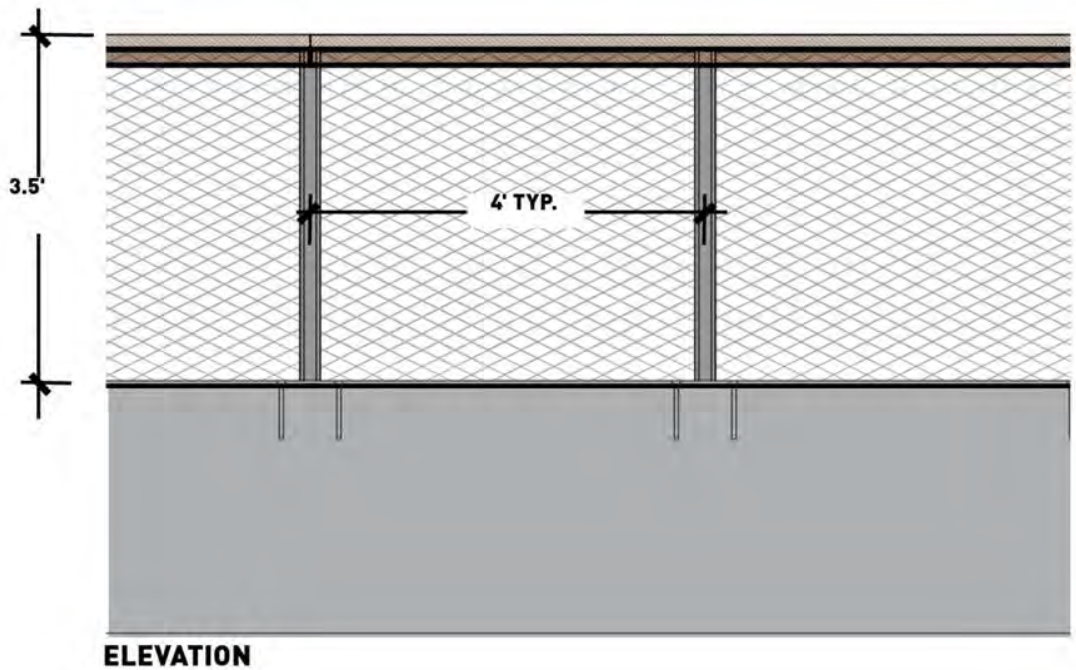
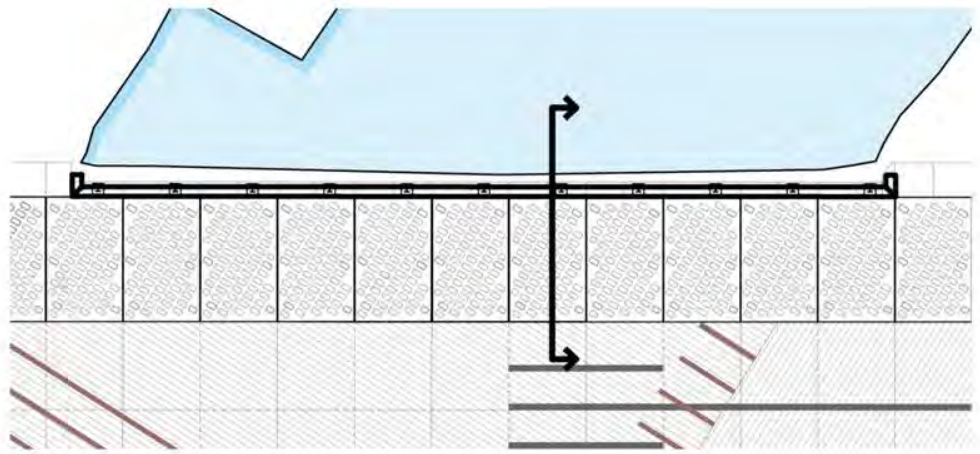
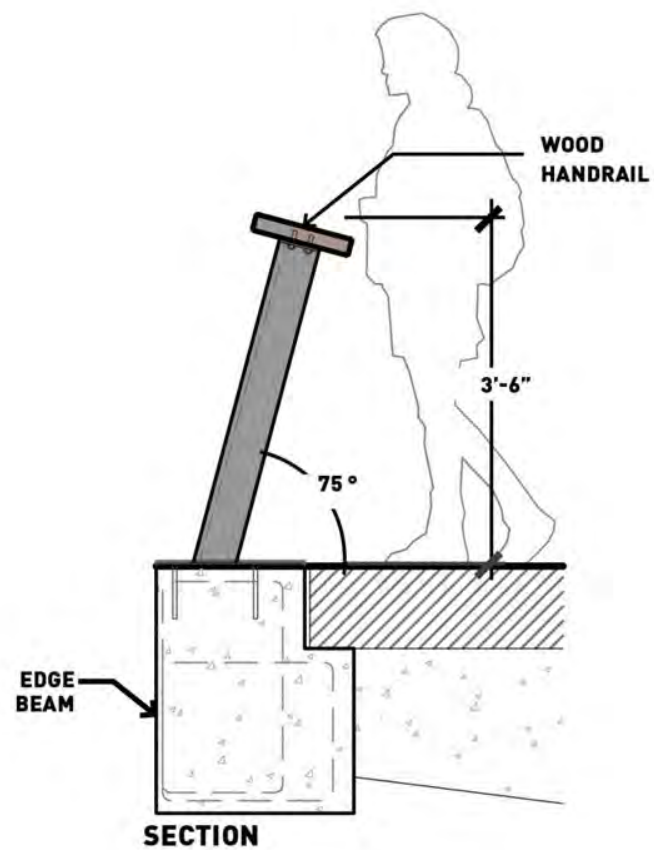


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC BALUSTRADE**  
SOCIAL INTERSECTION



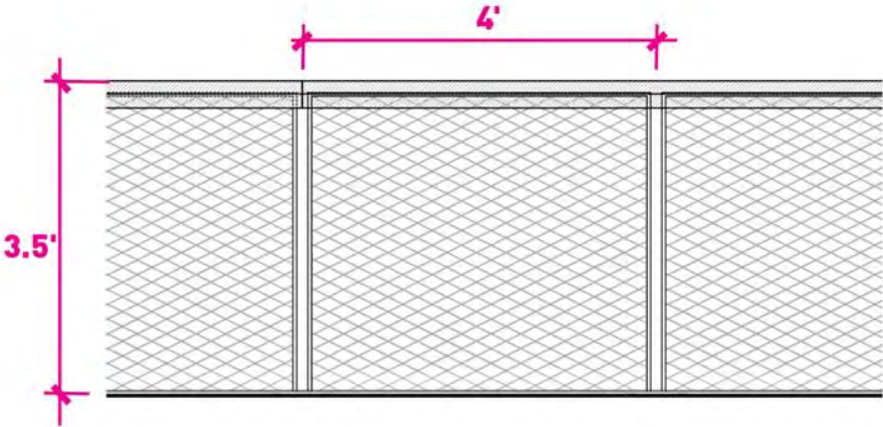


MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
TYPICAL DIMENSIONS





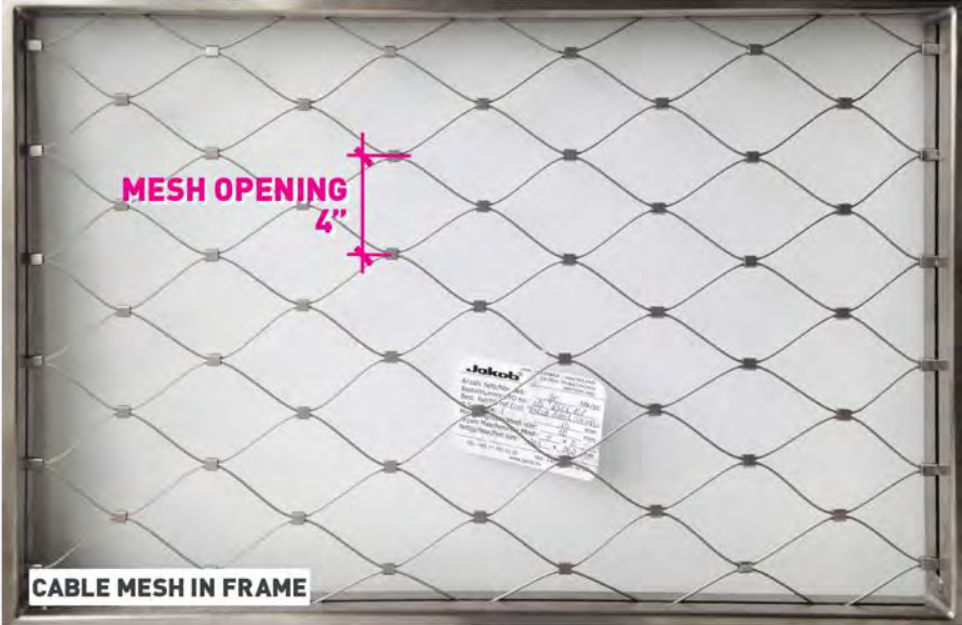
MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
FRAME + INFILL



**DETAIL - CABLE MESH INFILL**



**HIGHLINE, NYC**



**CABLE MESH IN FRAME**

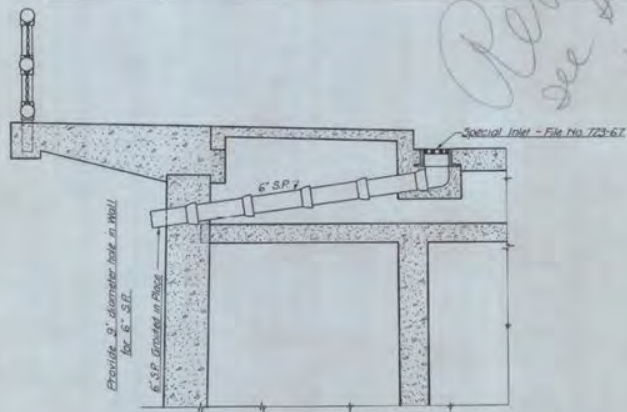
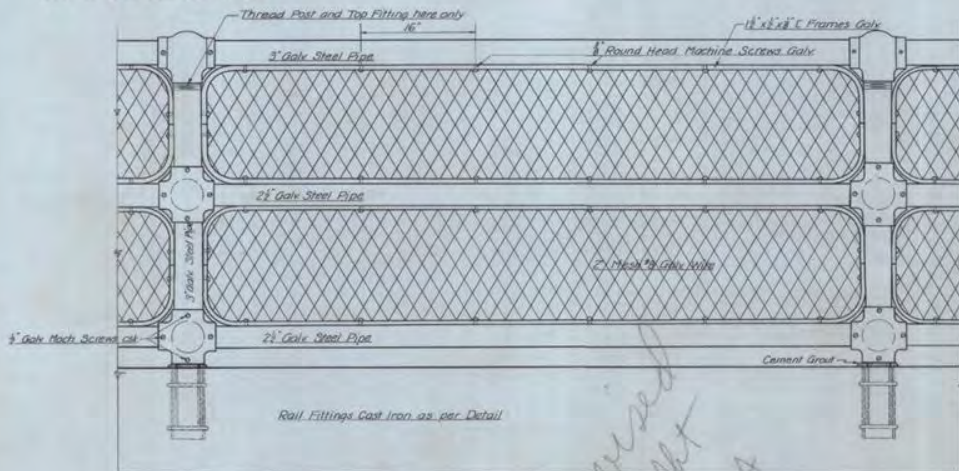


MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
FISHERMAN'S NET





# MAIN CORRIDOR SOUTH OF UNION **WATERFRONT RAILING** CITY REFERENCE

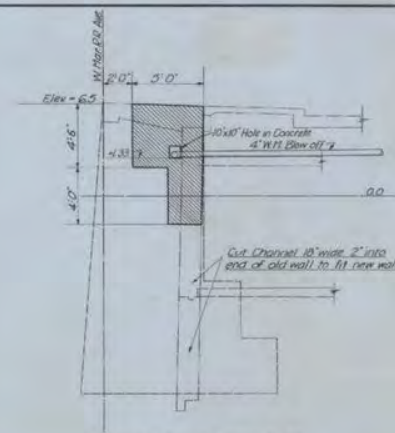
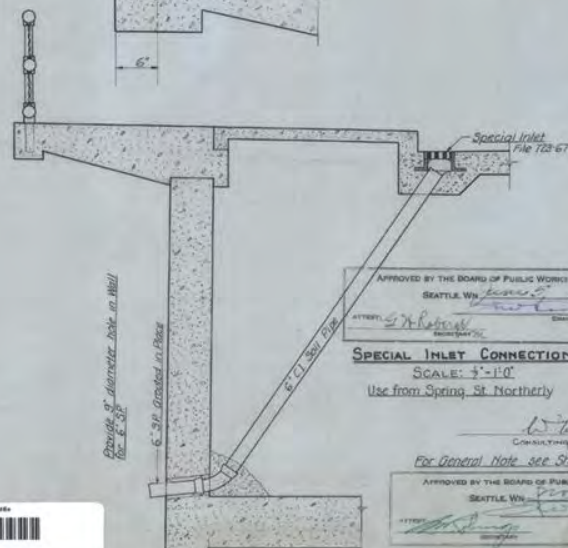
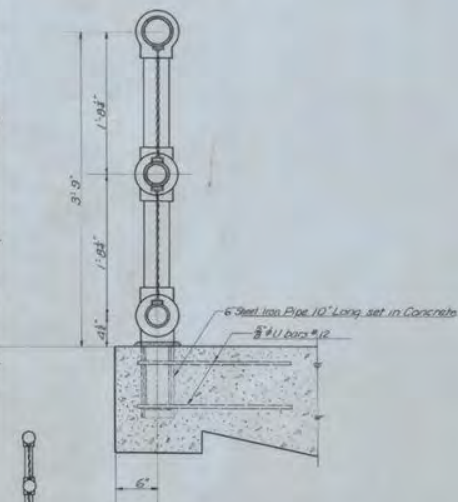


**SPECIAL INLET CONNECTION**

SCALE:  $\frac{1}{2}'' = 1'-0''$

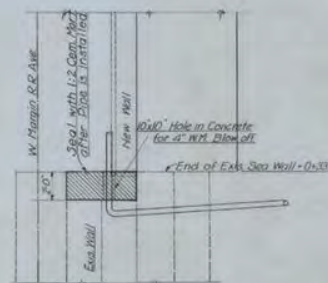
Use between Madison St. and Spring St.

*Revised  
see sheet  
17-A*



**ELEVATION AT STA. 0+33**

NOTE: Hatching indicates block of Concrete to close gap at Junction



**PLAN JUNCTION AT END OF EXIS. WALL**

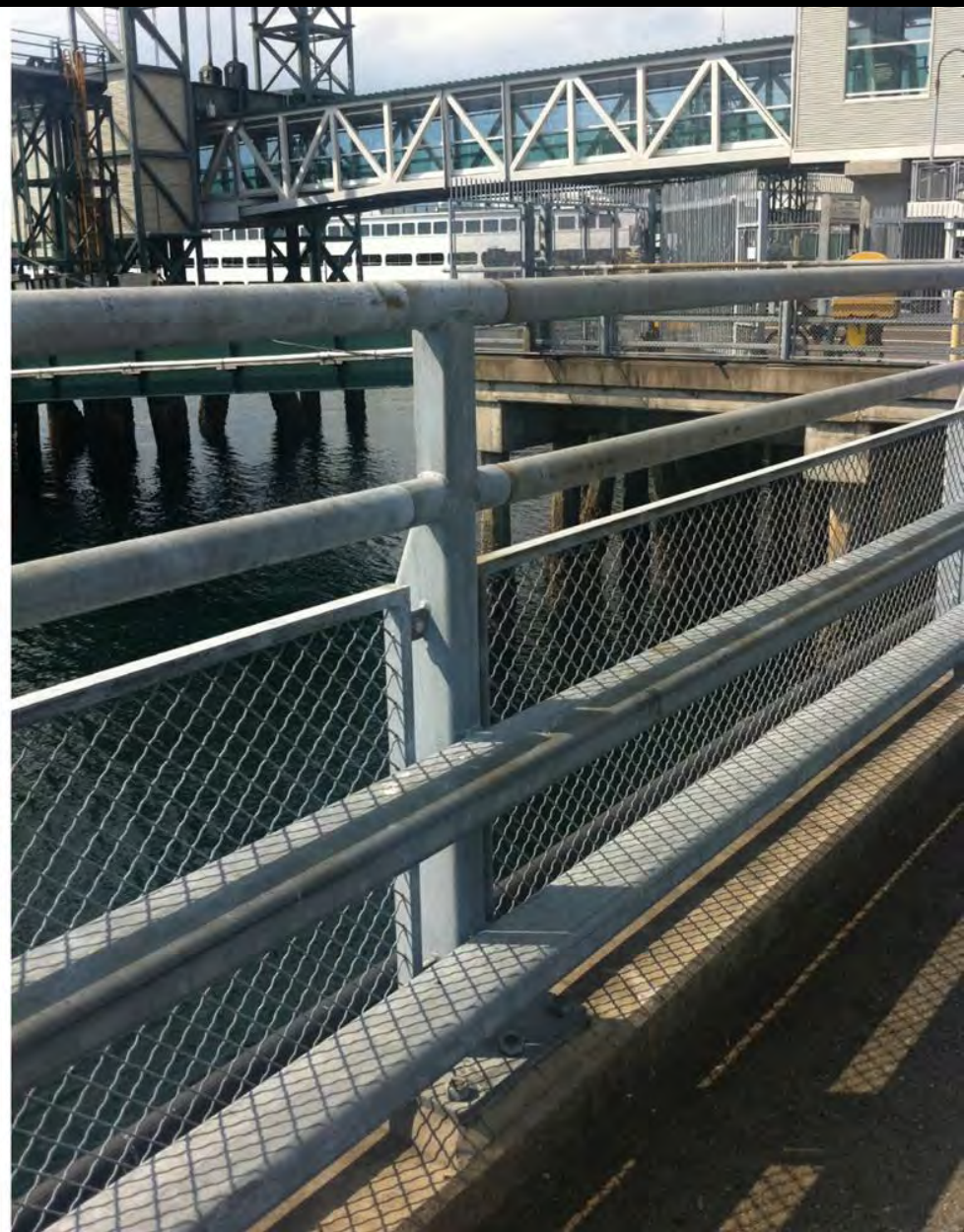
SCALE:  $\frac{1}{2}'' = 1'-0''$

<b>THE CITY OF SEATTLE</b> OFFICE OF THE CITY ENGINEER BRIDGE DIVISION J. H. WILLIAMS CITY ENGINEER		DATE: JAN 1, 1932
Railroad Avenue <b>SEA WALL</b> Ref. No. 10954 L.T.D. 5339		
Ordinance No. 62123 Approved Jan. 12, 1932		
<b>RAILING DETAILS</b>		
DESIGNED G. H. B.	CHECKED J. H. B.	D.C.
APPROVED J. H. B.	APPROVED J. H. B.	APPROVED J. H. B.
SHEET NO. 1027	TOTAL SHEETS 418-46	SHEET NO. 17





MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
**WATERFRONT PRECEDENTS**





MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
MATERIALS



**STEEL FRAME**  
TNEMIC-COATED STEEL,DARK GRAY COLOR



**INFILL**  
STAINLESS STEEL CABLE MESH IN FRAME



**WOOD HANDRAIL**  
SALVAGED EKKI FROM SEAWALL OR OTHER

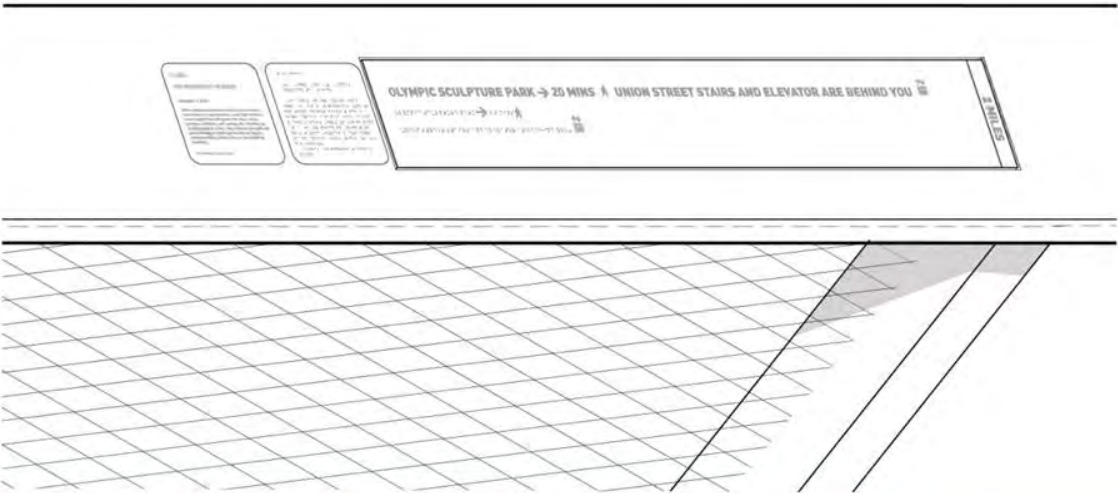
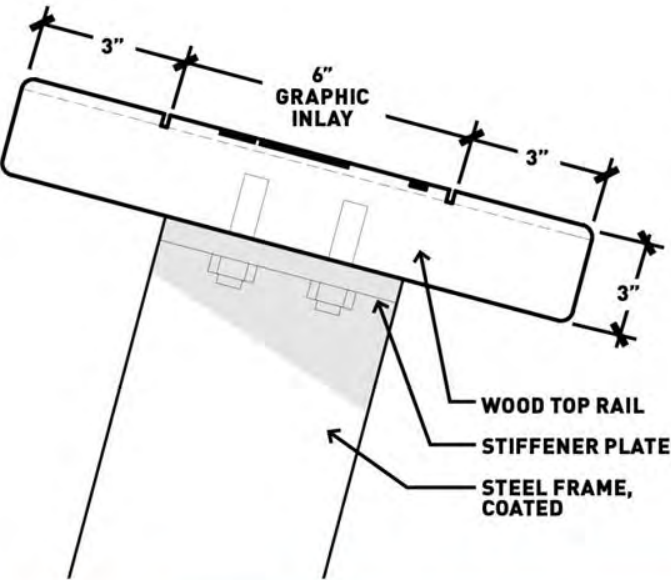


MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
SEA WALL EKKI WOOD





MAIN CORRIDOR SOUTH OF UNION  
**WATERFRONT RAILING**  
HANDRAIL



←S

**OLYMPIC SCULPTURE PARK → 20 MINS**  **UNION STREET STAIRS AND ELEVATOR ARE BEHIND YOU** 

OLYMPIC SCULPTURE PARK → 20 MINS 

UNION STREET STAIRS AND ELEVATOR ARE BEHIND YOU 

N →

←S

**OLYMPIC SCULPTURE PARK → 20 MINS**  **UNION STREET STAIRS AND ELEVATOR ARE BEHIND YOU** 

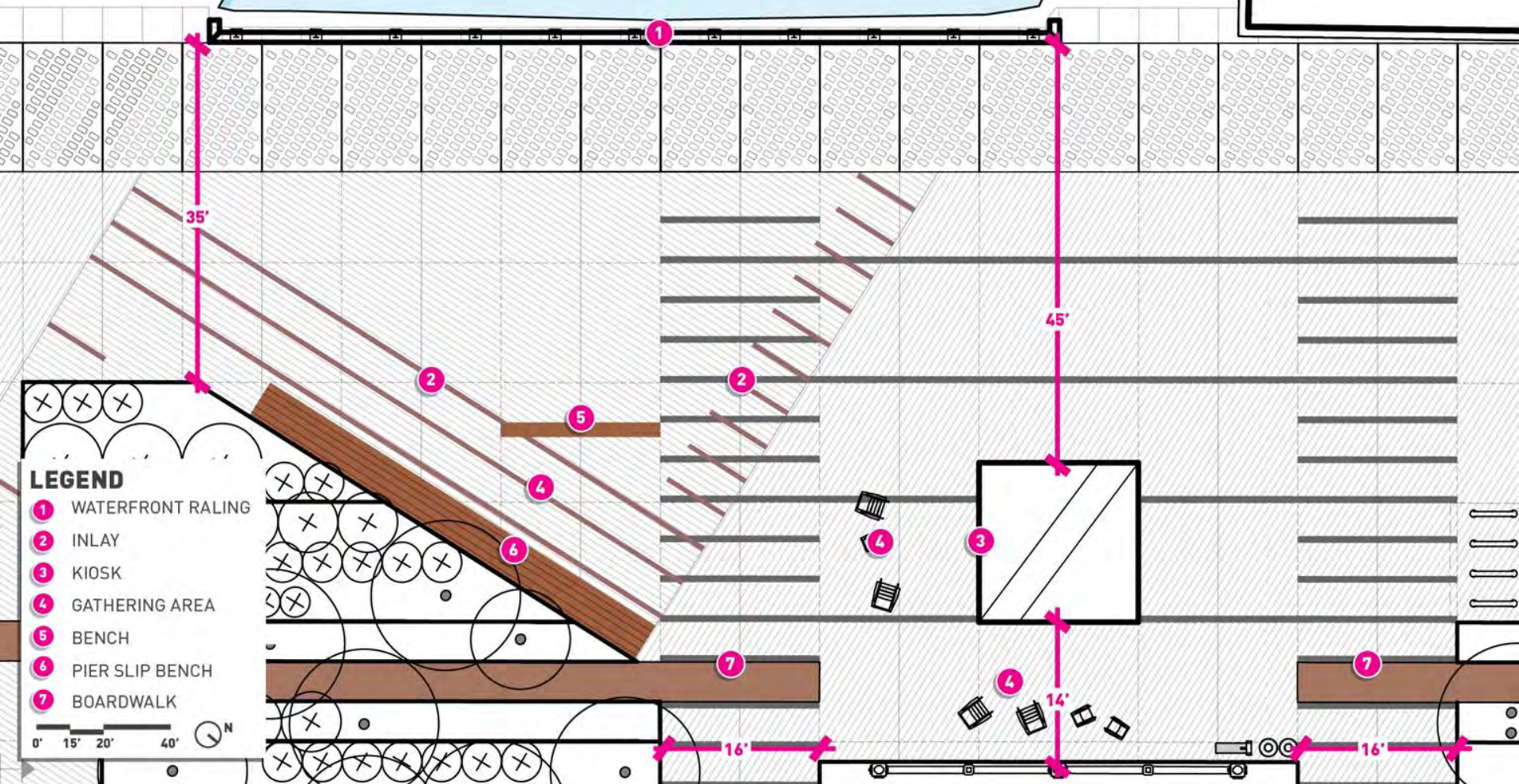
OLYMPIC SCULPTURE PARK → 20 MINS 

UNION STREET STAIRS AND ELEVATOR ARE BEHIND YOU 

N →

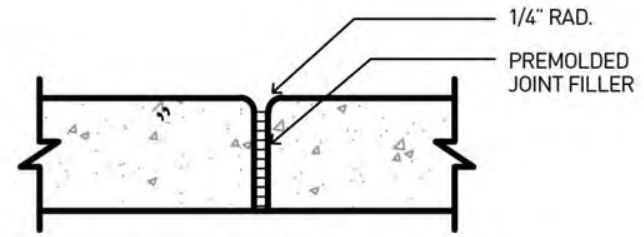
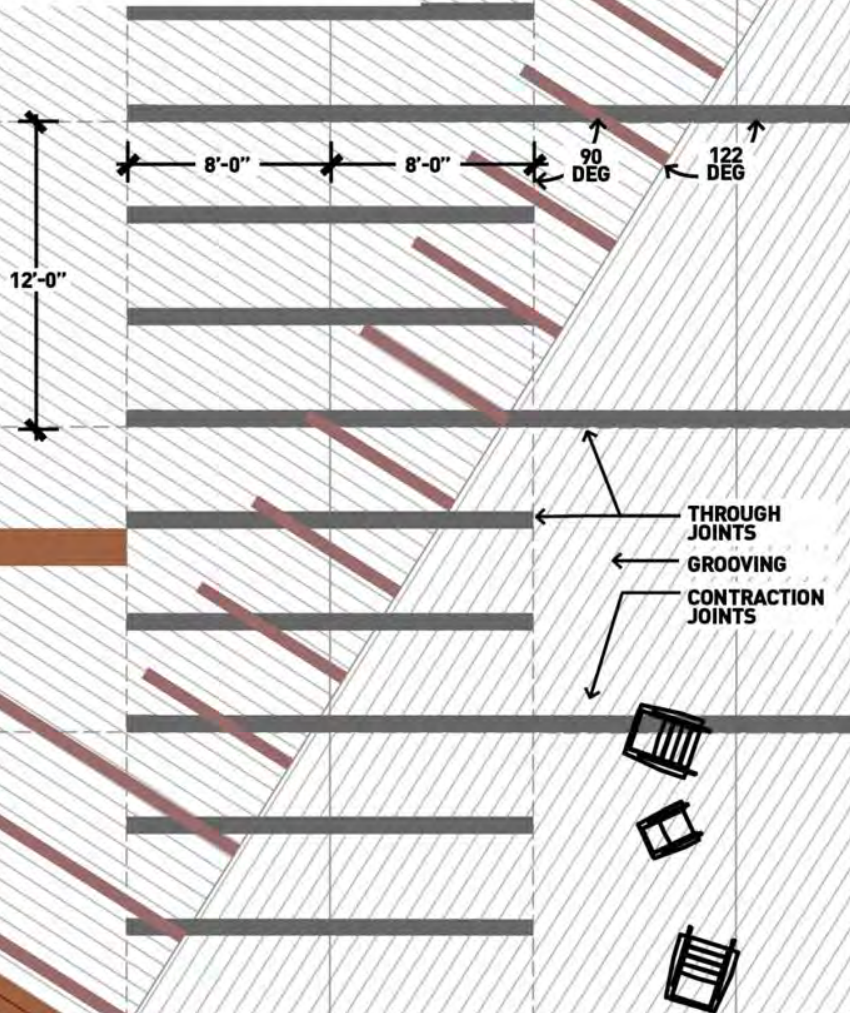


## MAIN CORRIDOR SOUTH OF UNION HISTORIC PIERS SOCIAL INTERSECTION

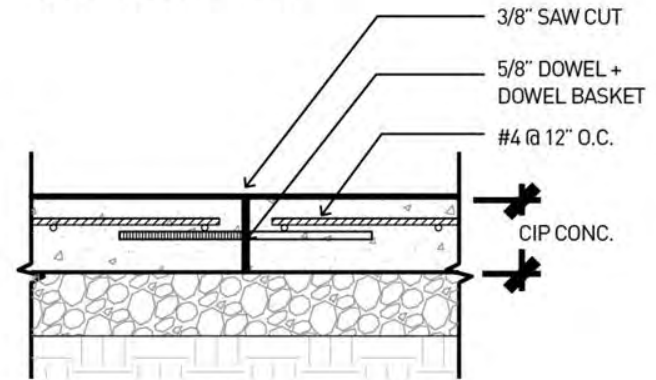




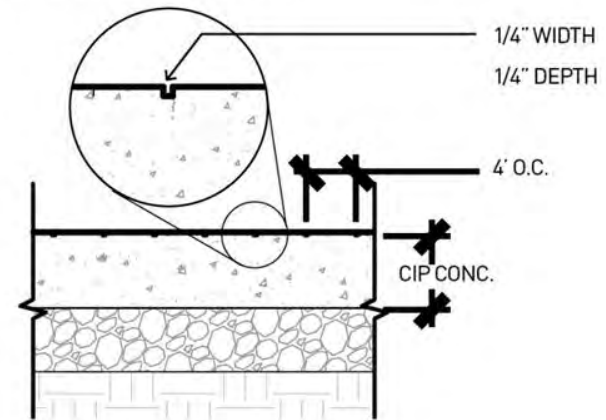
MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**PAVING**



**STD. COS THROUGH JOINT**



**DOWELED THROUGH JOINT**



**GROOVING**





GROOVED



ROUGH BROOM



ROUGH GROOVED



EXPOSED AGGREGATE



PUGET SOUND AGGREGATE



SMOOTHED AGGREGATE



UNFINISHED



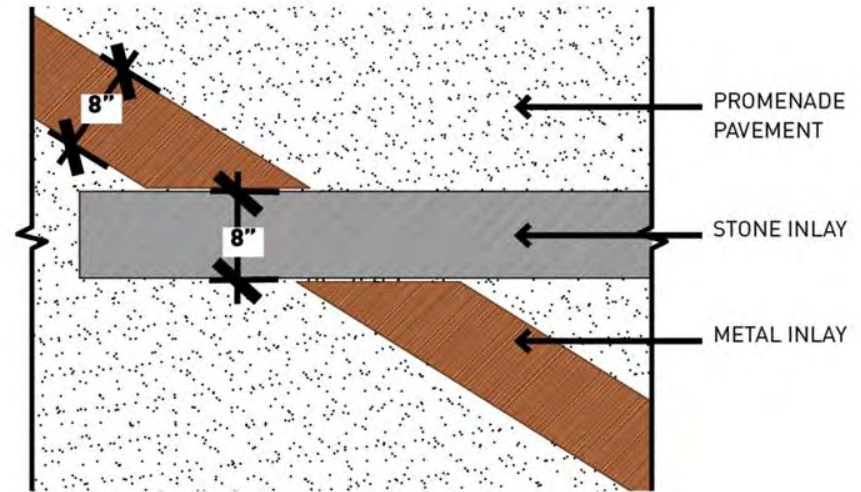
FORM FINISH



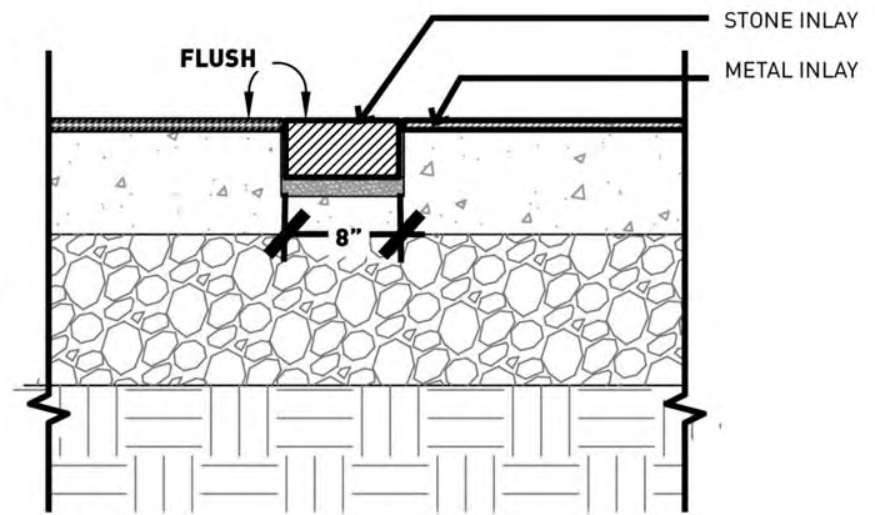
PORT



MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
INLAYS




**PLAN**



**SECTION**



A large, rectangular, rusted metal plate is being positioned into a concrete slab. The concrete slab has a decorative aggregate finish with small, multi-colored stones (grey, tan, and green) embedded in a light-colored matrix. The metal plate is a dark, reddish-brown color, showing significant rust and wear. The plate is being placed into a recessed area of the concrete, which is part of a larger structure. The background shows more of the concrete slab and the aggregate finish.

MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
INLAY MOCK-UPS BY SHAW AND SONS



MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
PAVING MOCKUPS BY SHAW AND SONS



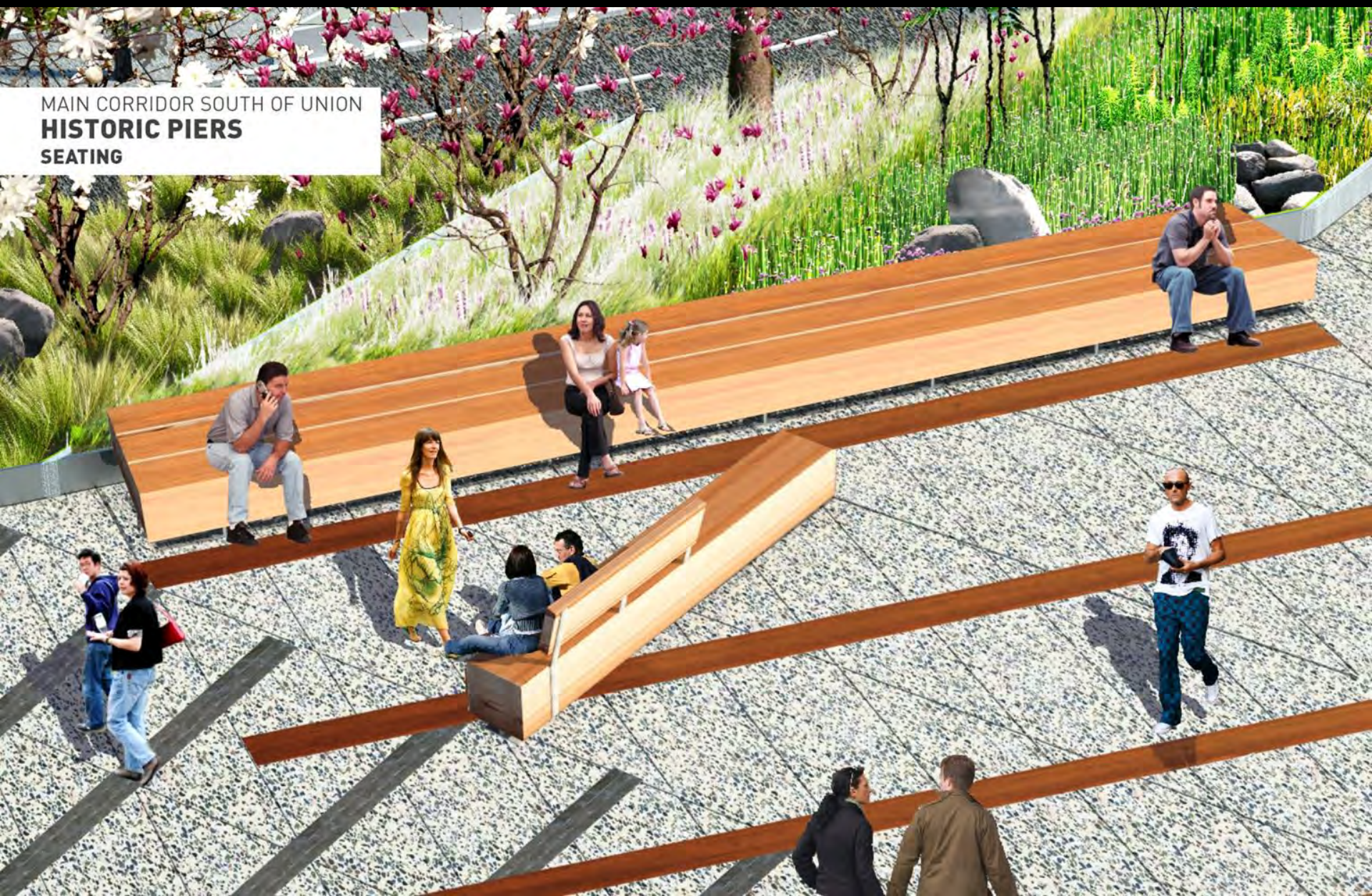
DRY PAVEMENT



WET PAVEMENT



MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
SEATING







MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
SEATING MATERIALS

This image shows a large stack of weathered, dark brown wooden timbers. The timbers are stacked horizontally, with some showing signs of decay and discoloration. The background is a clear blue sky.

**SALVAGED  
SHIP TIMBERS**



This image shows a large stack of weathered, light brown wooden beams. The beams are stacked horizontally, with some showing signs of decay and discoloration. The background is a clear blue sky.

**SALVAGED  
DOUGLAS FIR BEAMS**



This image shows a large stack of weathered, dark brown wooden beams. The beams are stacked horizontally, with some showing signs of decay and discoloration. The background is a clear blue sky.

**SALVAGED  
TROPICAL HARDWOODS**

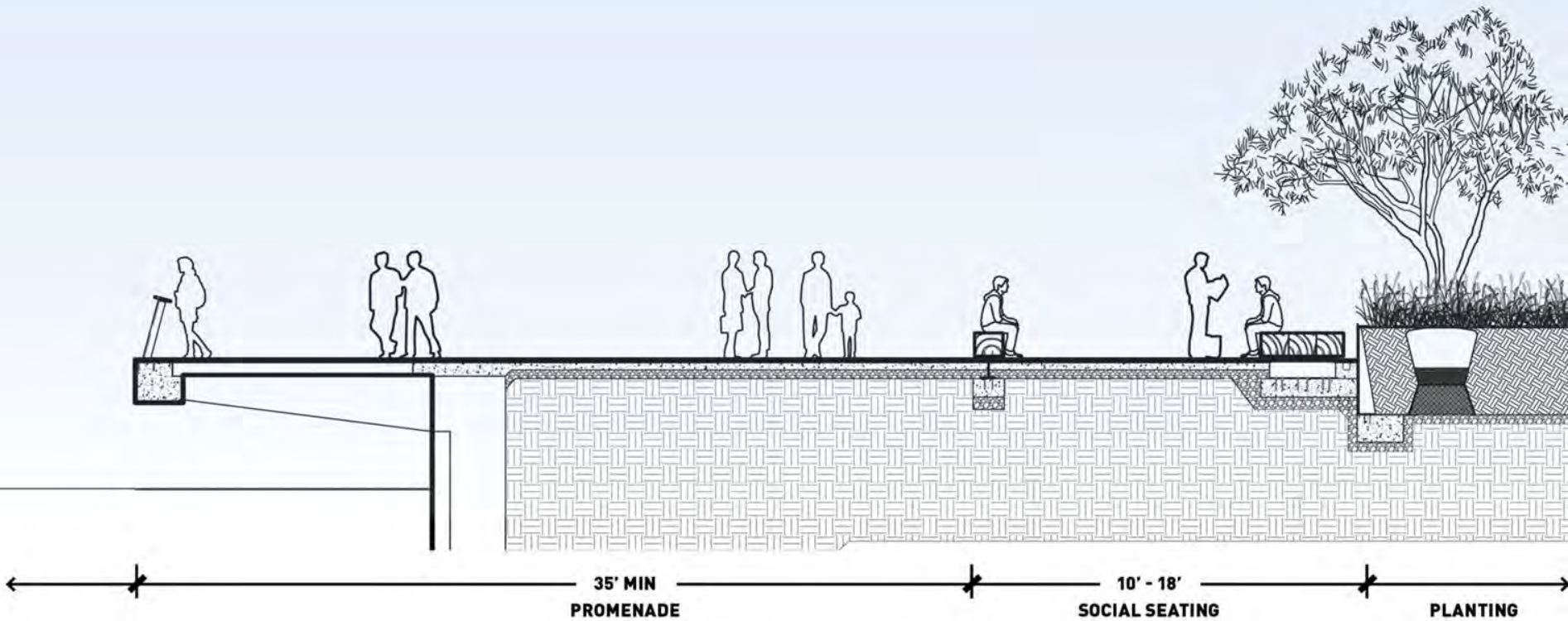


This image shows a large stack of weathered, light brown wooden beams. The beams are stacked horizontally, with some showing signs of decay and discoloration. The background is a clear blue sky.

**NEW  
CEDAR / DOUG FIR**

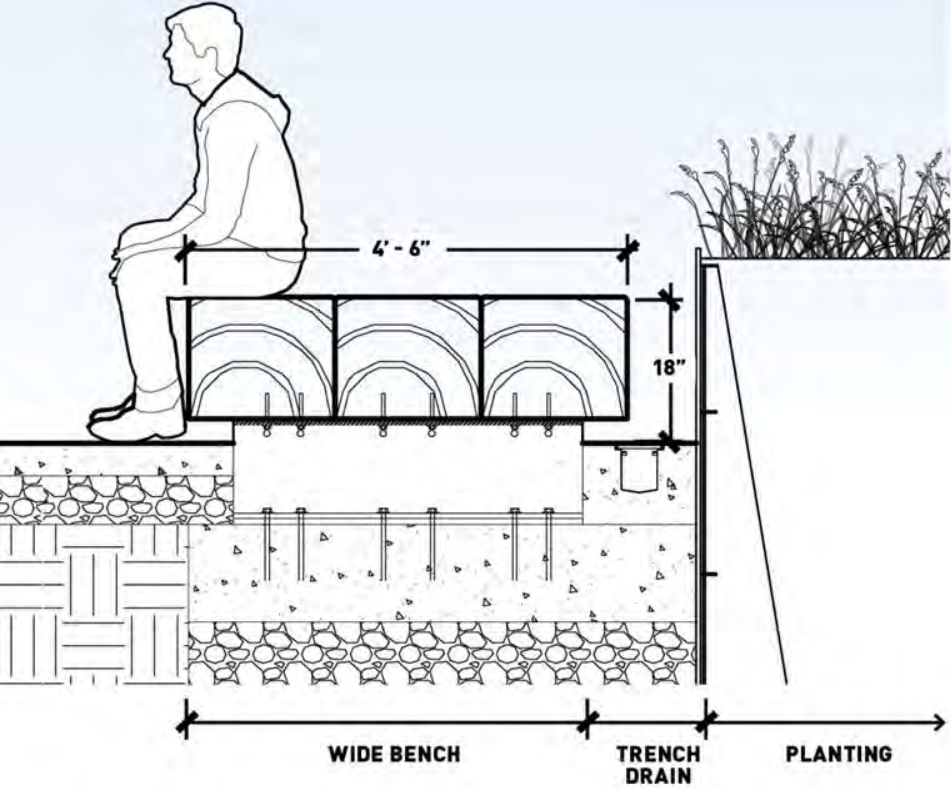


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**SOCIAL INTERSECTION: WIDE BENCH**

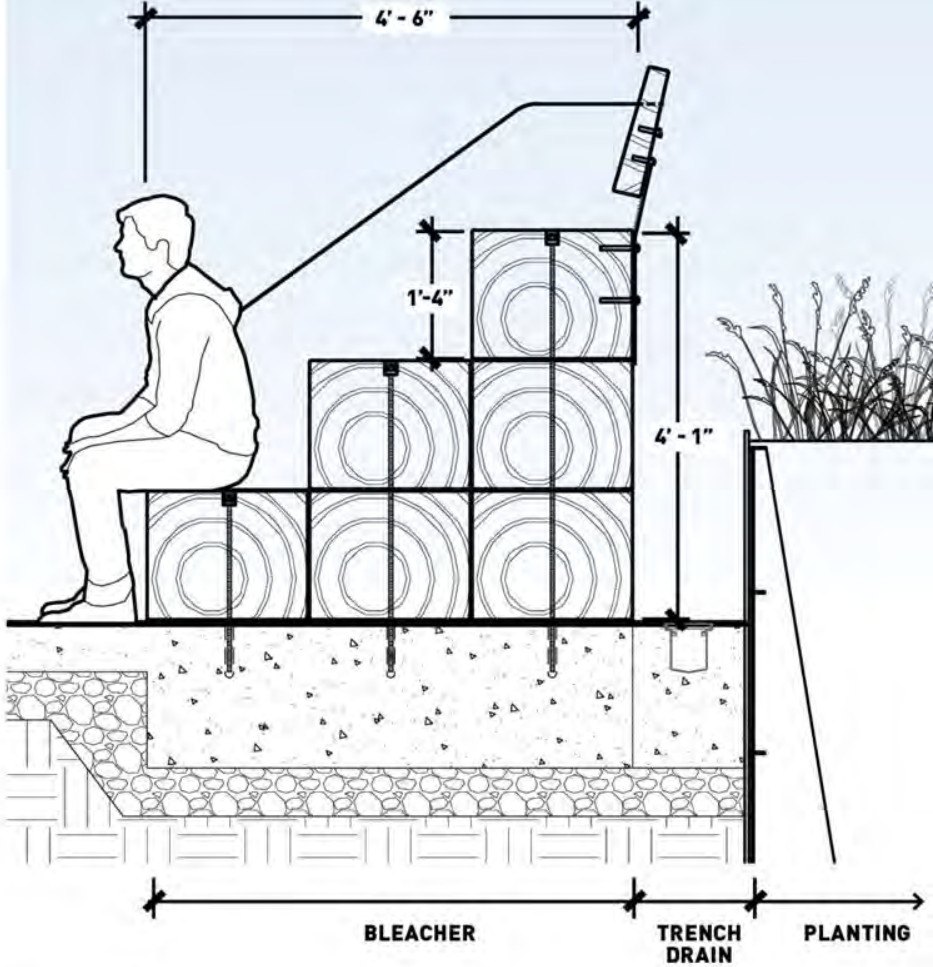




MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
SOCIAL INTERSECTION: BENCHES



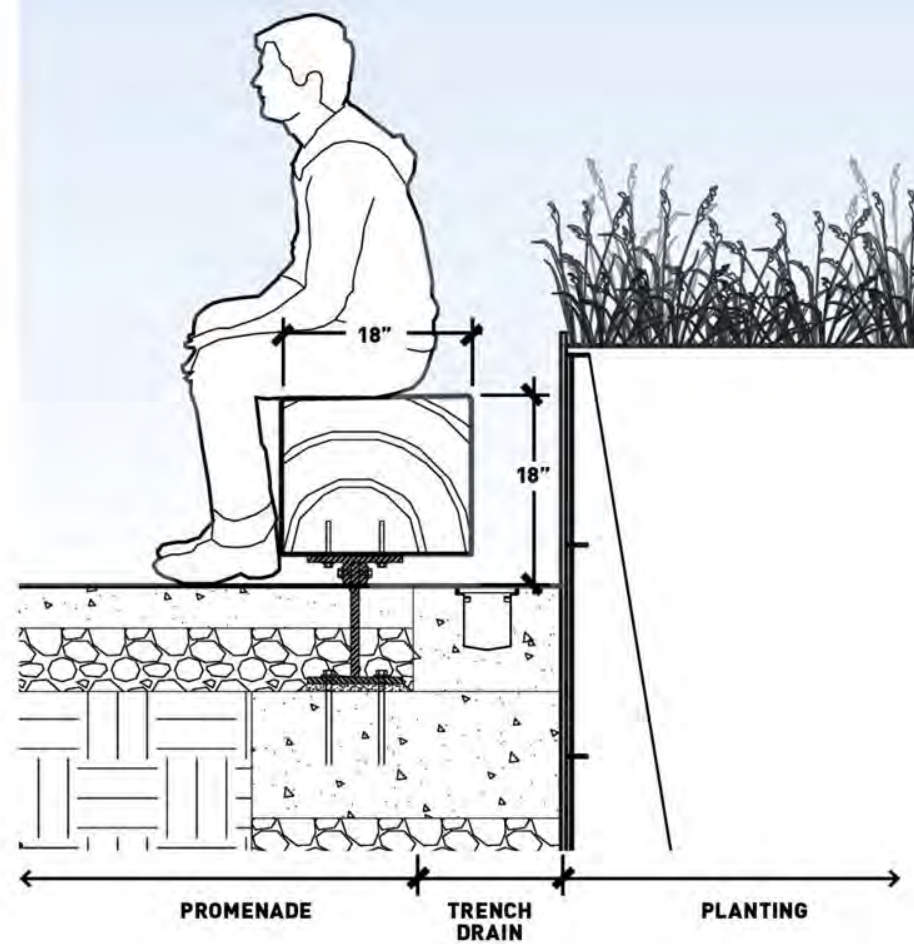
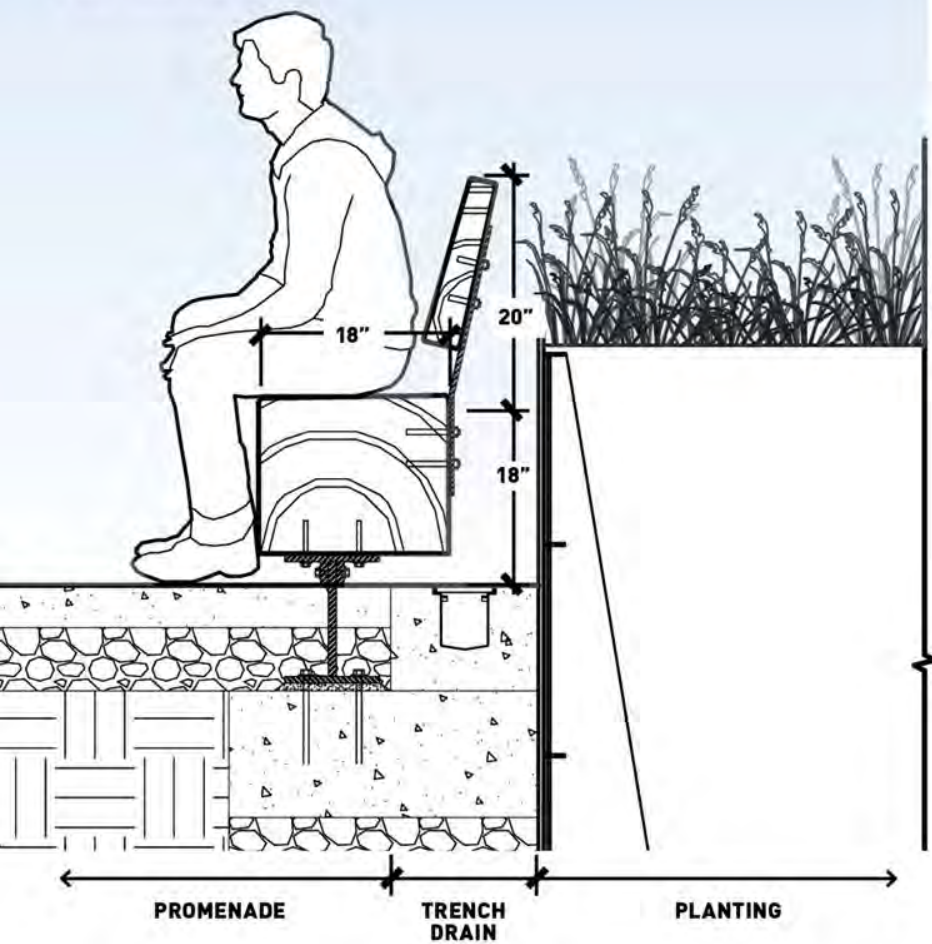
**WIDE BENCH**



**BLEACHER**

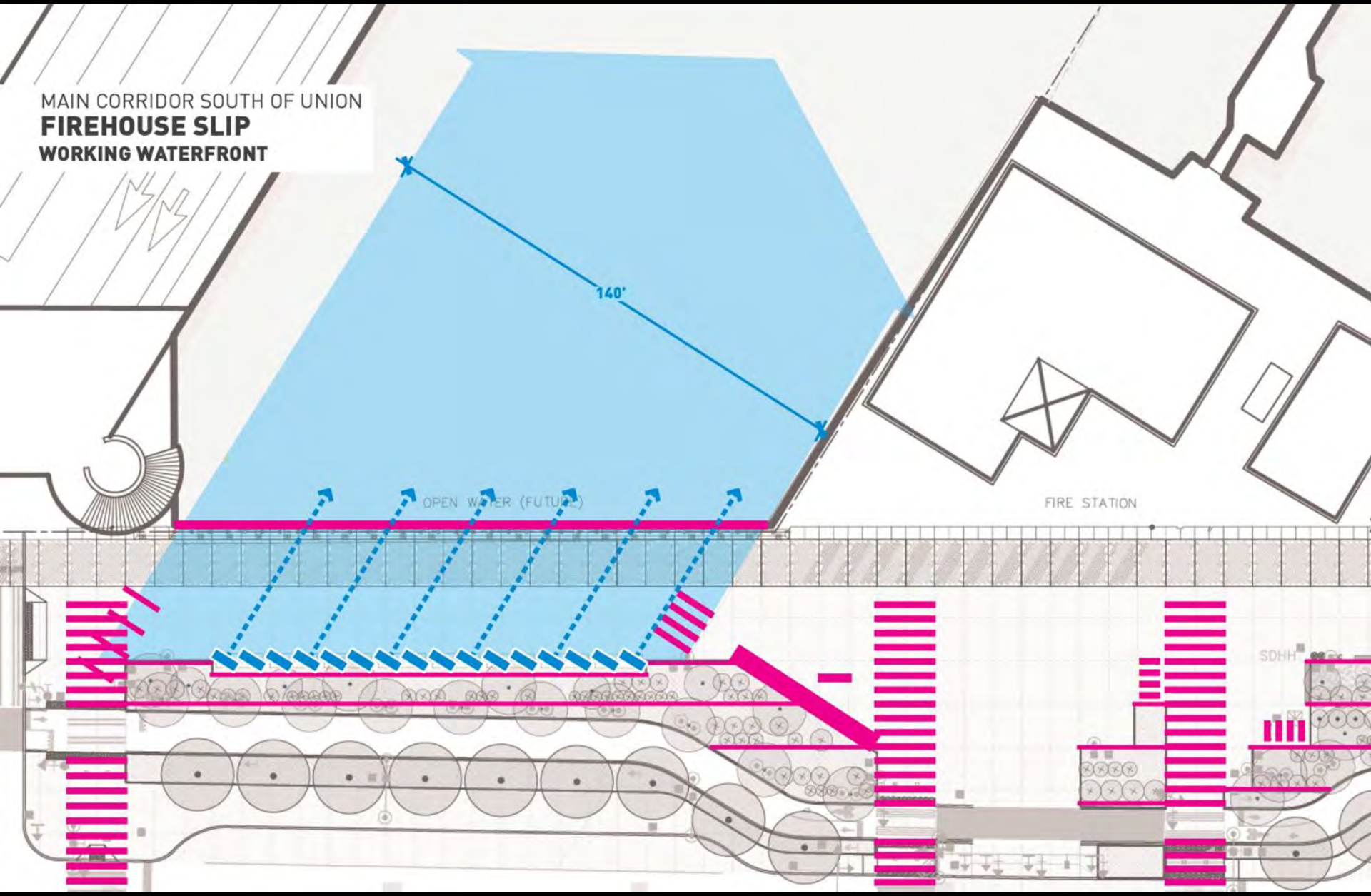


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**PROMENADE SEATING**





MAIN CORRIDOR SOUTH OF UNION  
**FIREHOUSE SLIP**  
**WORKING WATERFRONT**



FIRE STATION

SDHH

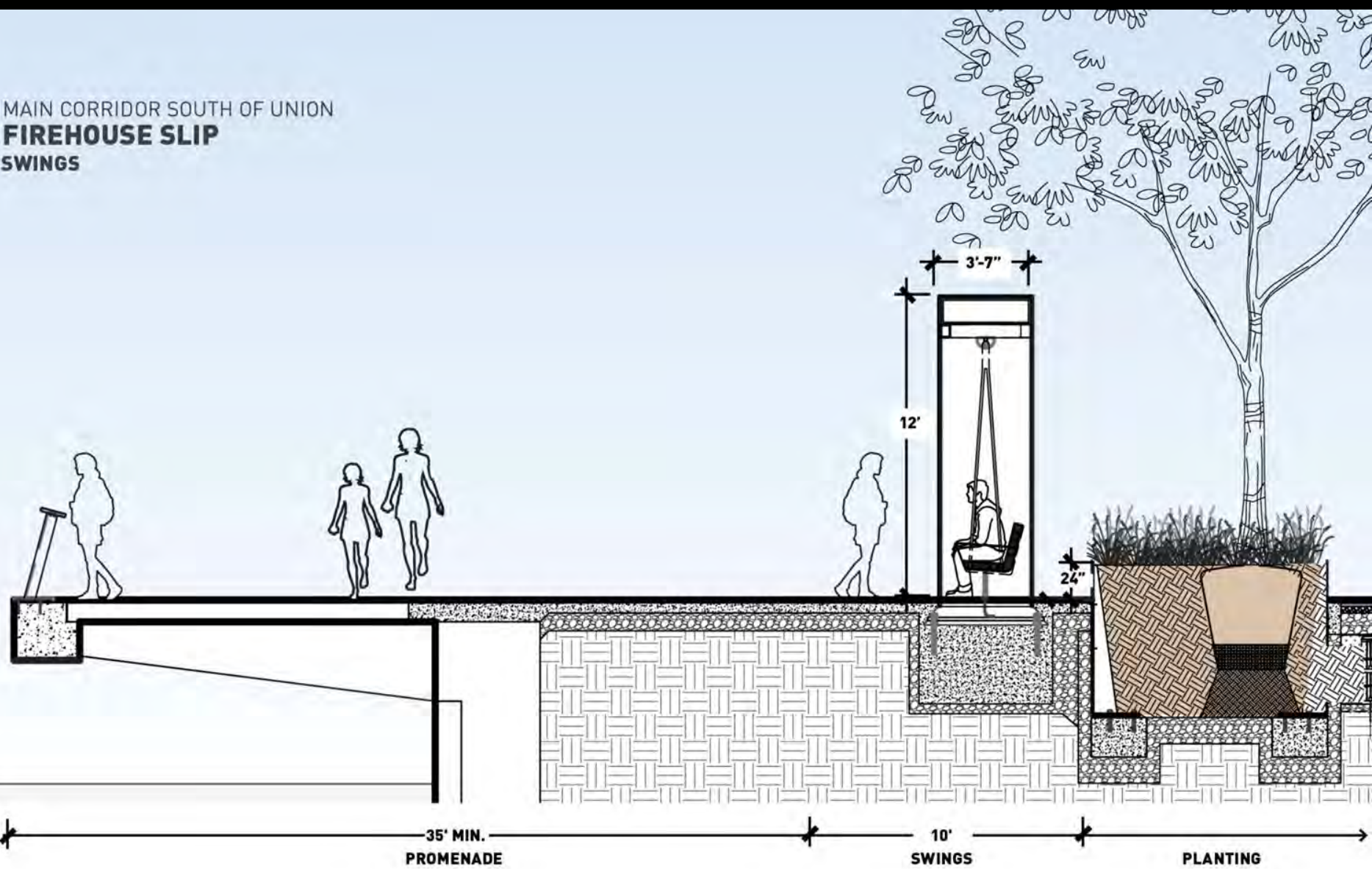


MAIN CORRIDOR SOUTH OF UNION  
**FIREHOUSE SLIP**  
WORKING WATERFRONT





MAIN CORRIDOR SOUTH OF UNION  
**FIREHOUSE SLIP**  
SWINGS





## FIREHOUSE SLIP SWINGS



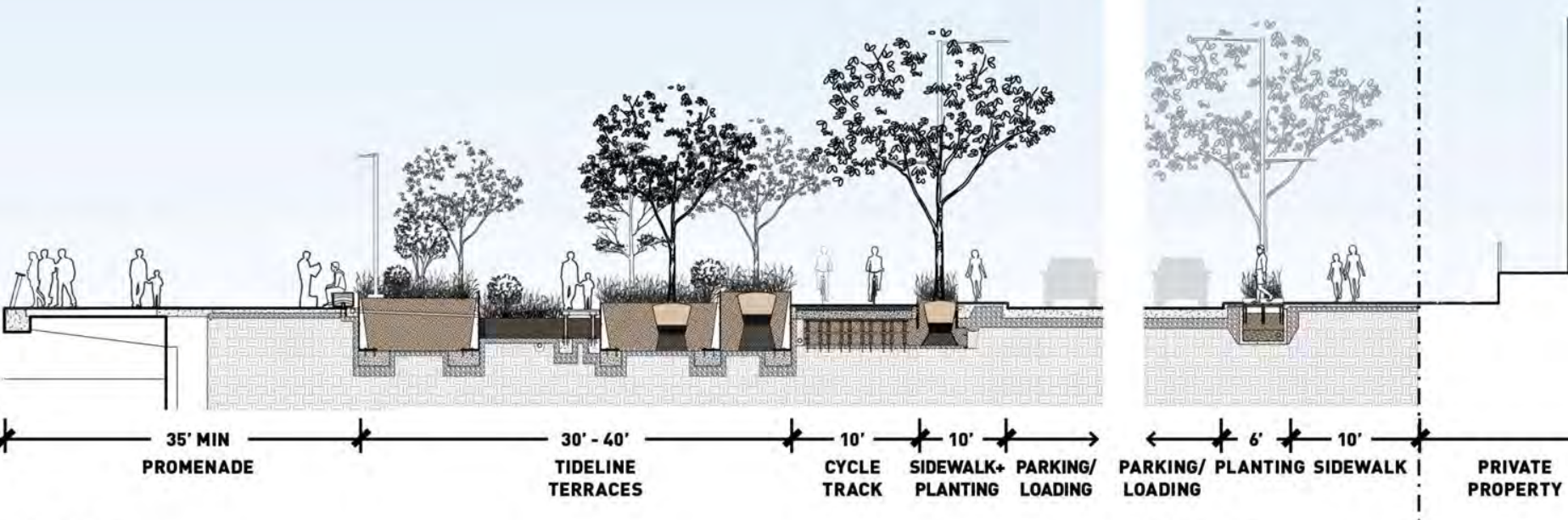


MAIN CORRIDOR SOUTH OF UNION  
**SWINGS**  
QUEEN ELIZABETH OLYMPIC PARK





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
SECTION: MADISON + SPRING



WEST SIDE

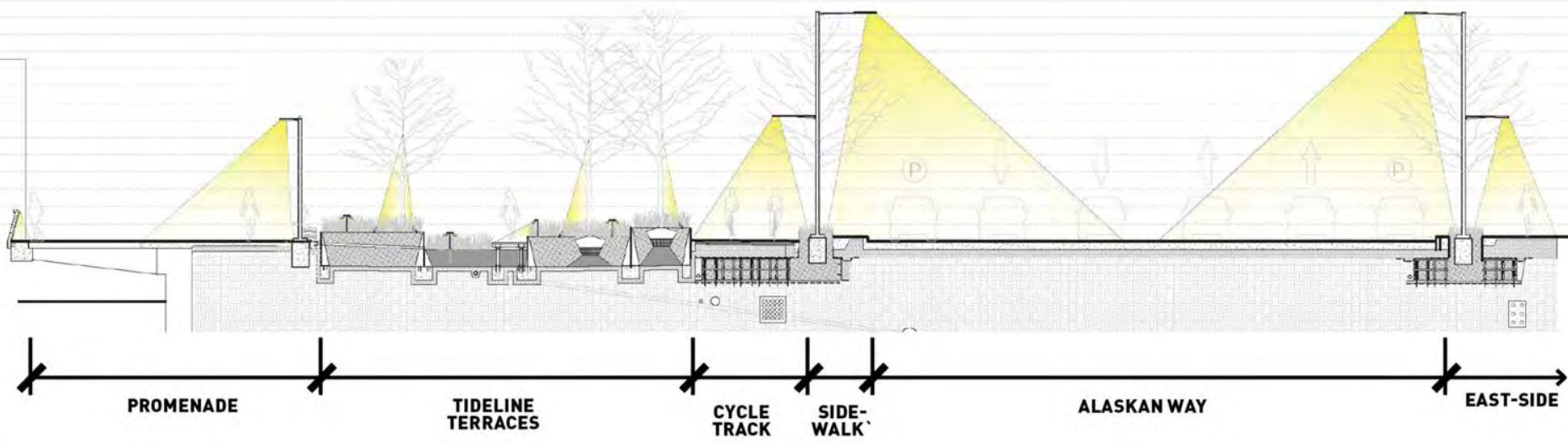
EAST SIDE



MAIN CORRIDOR SOUTH OF UNION

**LIGHTING**

**FAMILY OF FIXTURES**

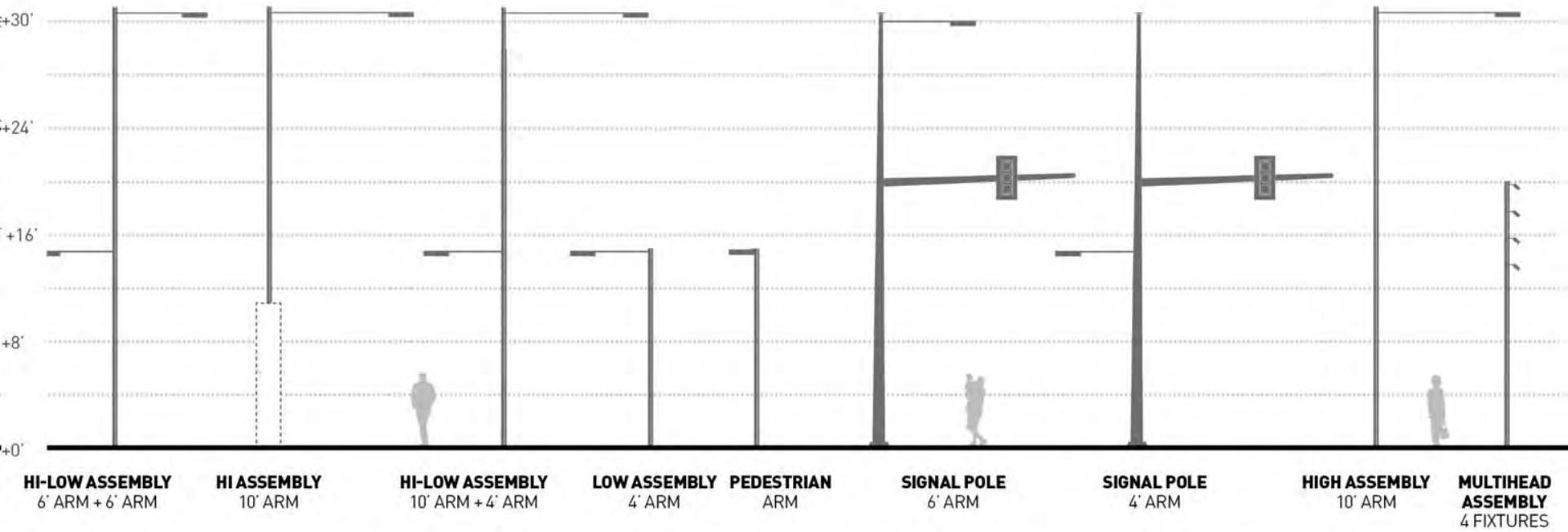




MAIN CORRIDOR SOUTH OF UNION

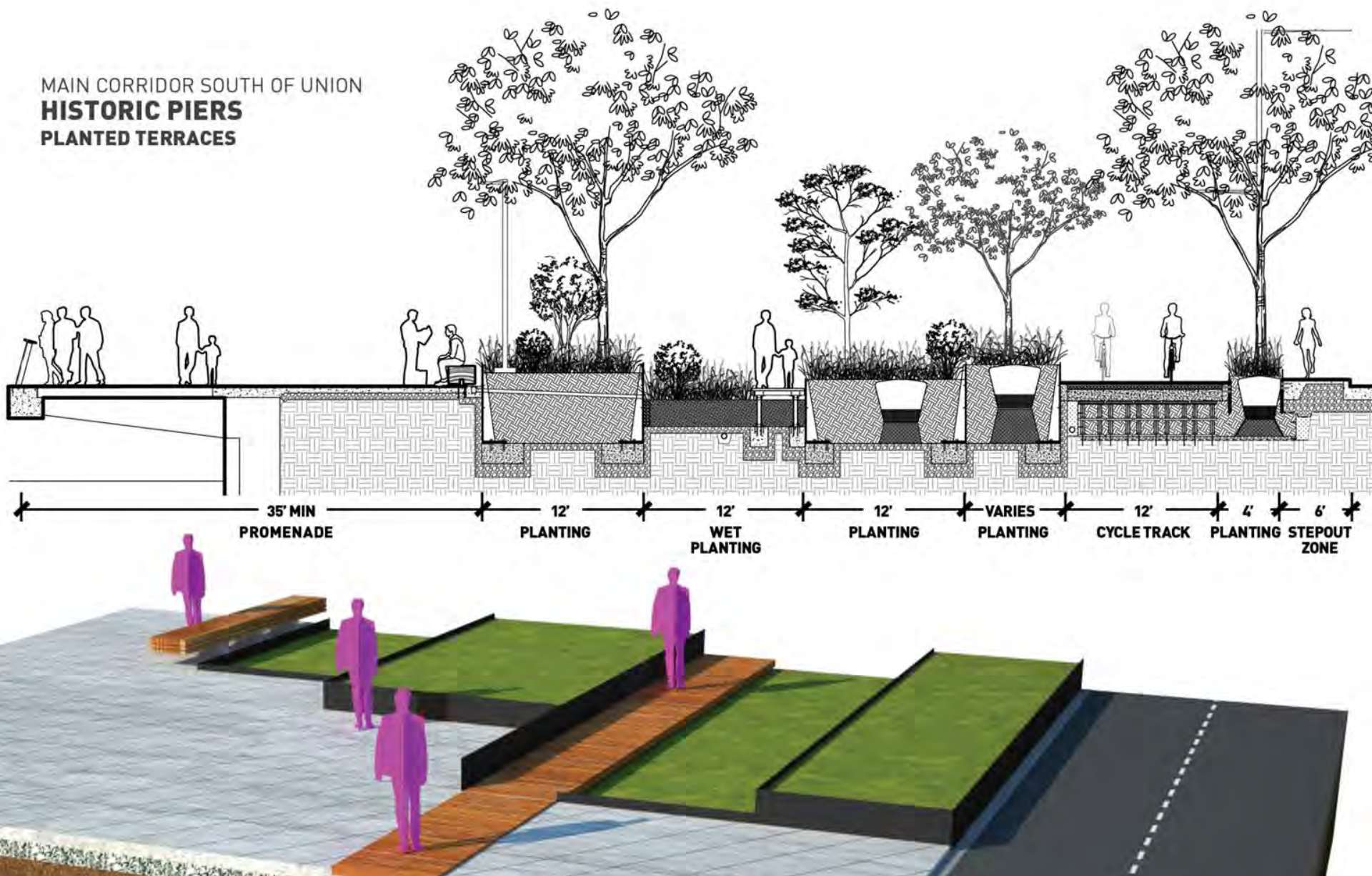
**LIGHTING**

**FAMILY OF FIXTURES**



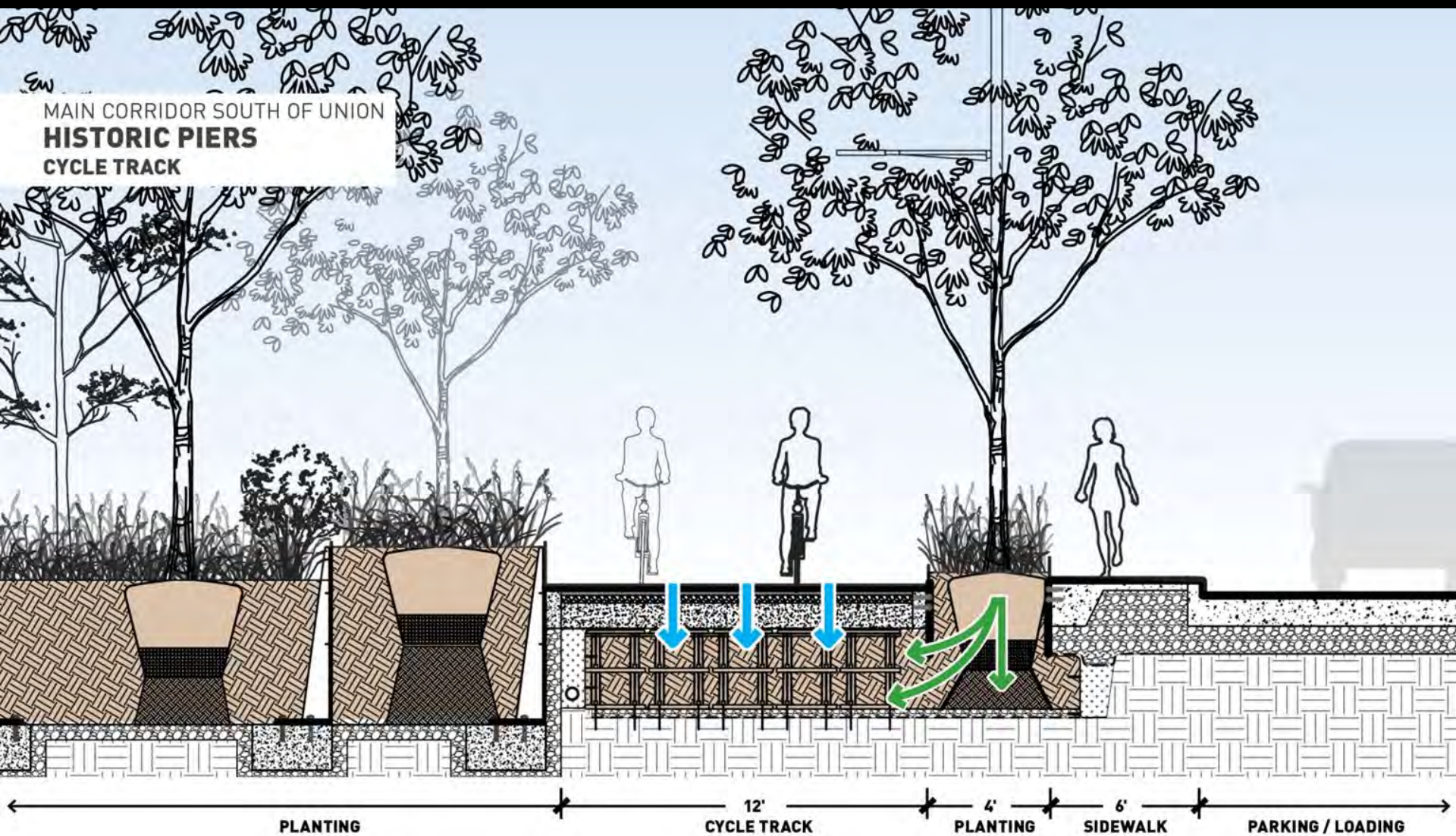


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**PLANTED TERRACES**





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
CYCLE TRACK





A high-pressure water hose, orange in color, is shown spraying a powerful jet of water onto a dark, textured surface of permeable asphalt. The water is being directed from the left side of the frame towards the center-right. The asphalt surface is composed of small, dark, irregularly shaped aggregate particles. The water spray creates a misty, white plume as it impacts the surface. The hose has a metal nozzle at the end, which is partially obscured by the water spray. The overall scene is brightly lit, suggesting a sunny day.

MAIN CORRIDOR SOUTH OF UNION  
**CYCLE TRACK**  
PERMEABLE ASPHALT

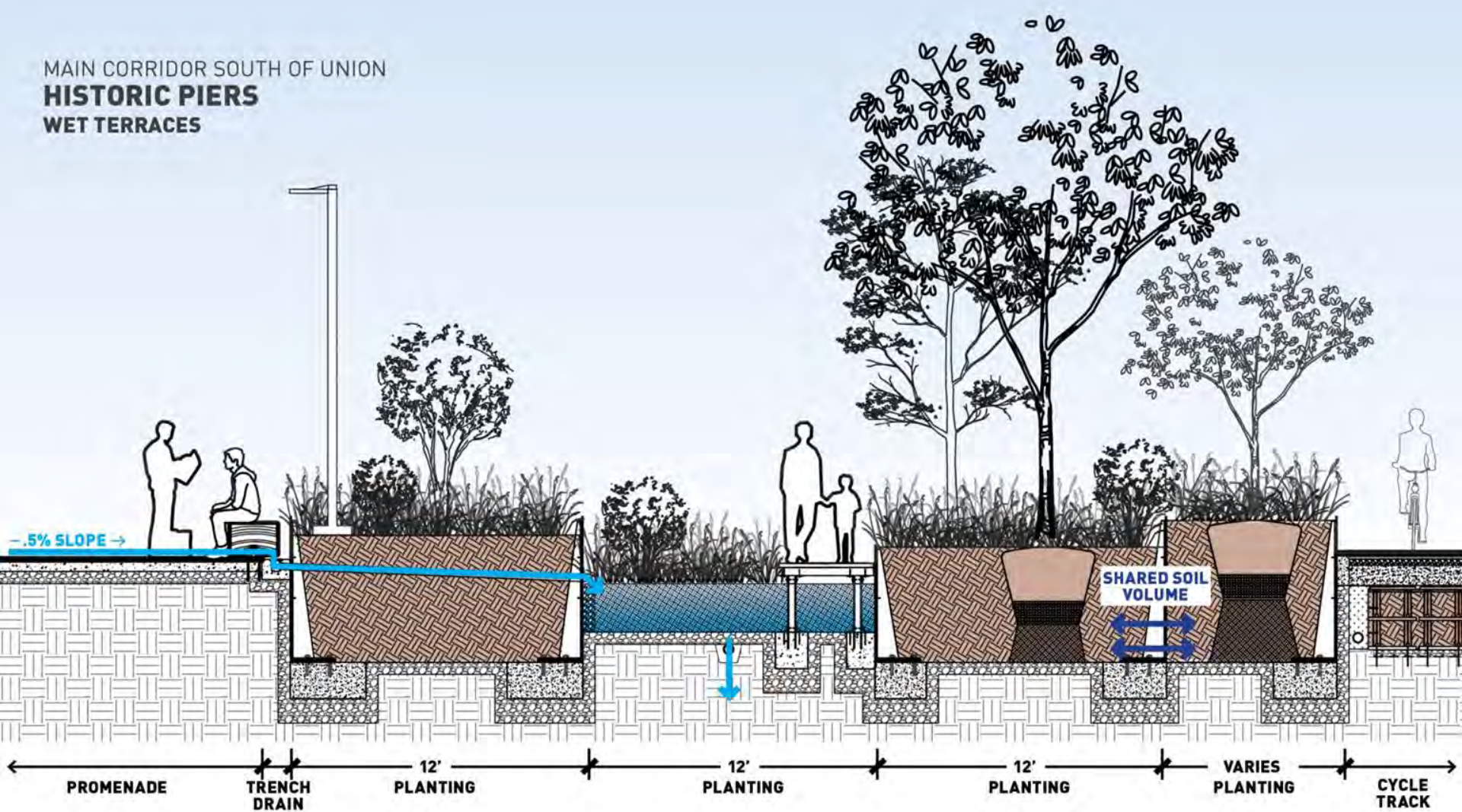


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
CYCLE TRACK



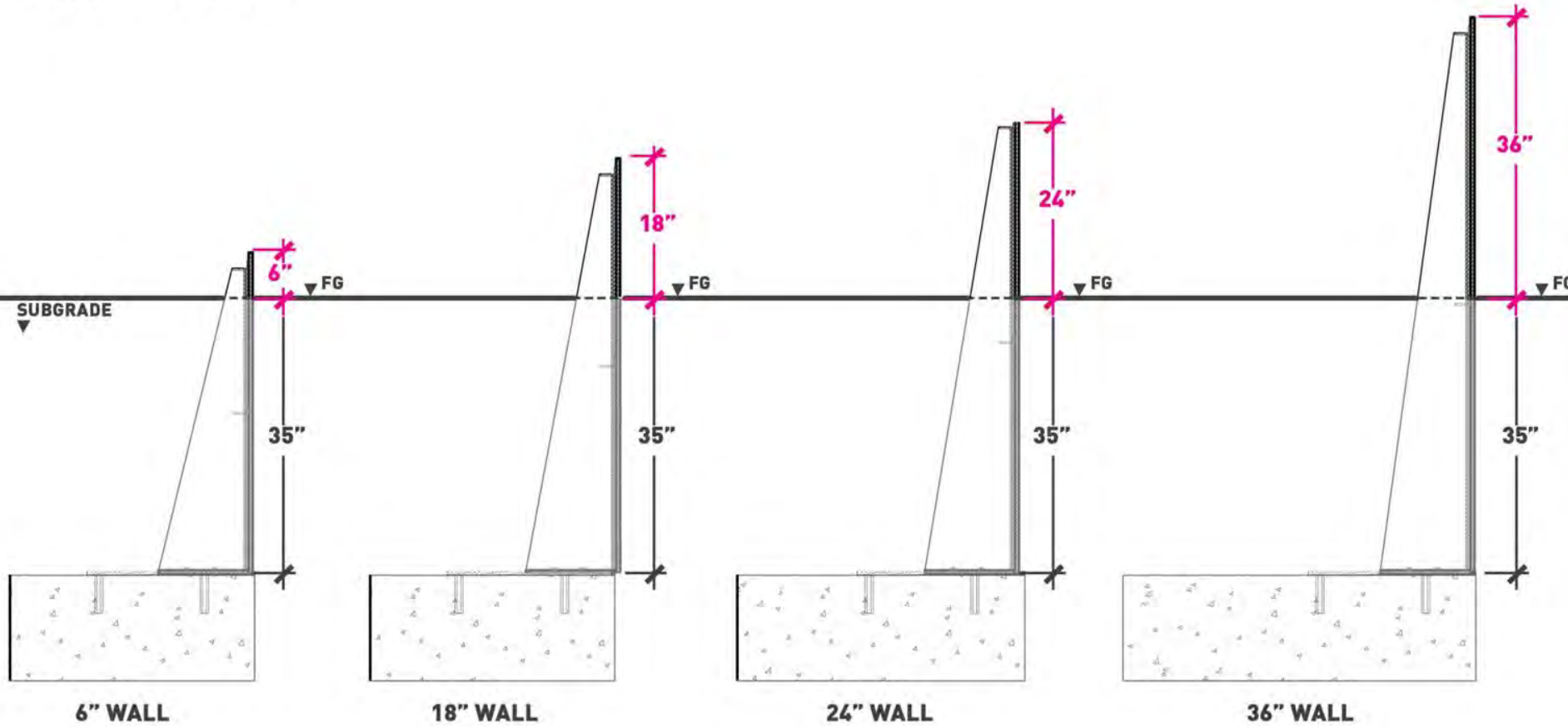


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**WET TERRACES**





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**TERRACE STEEL EDGING**





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
WALKING ON A TRESTLE



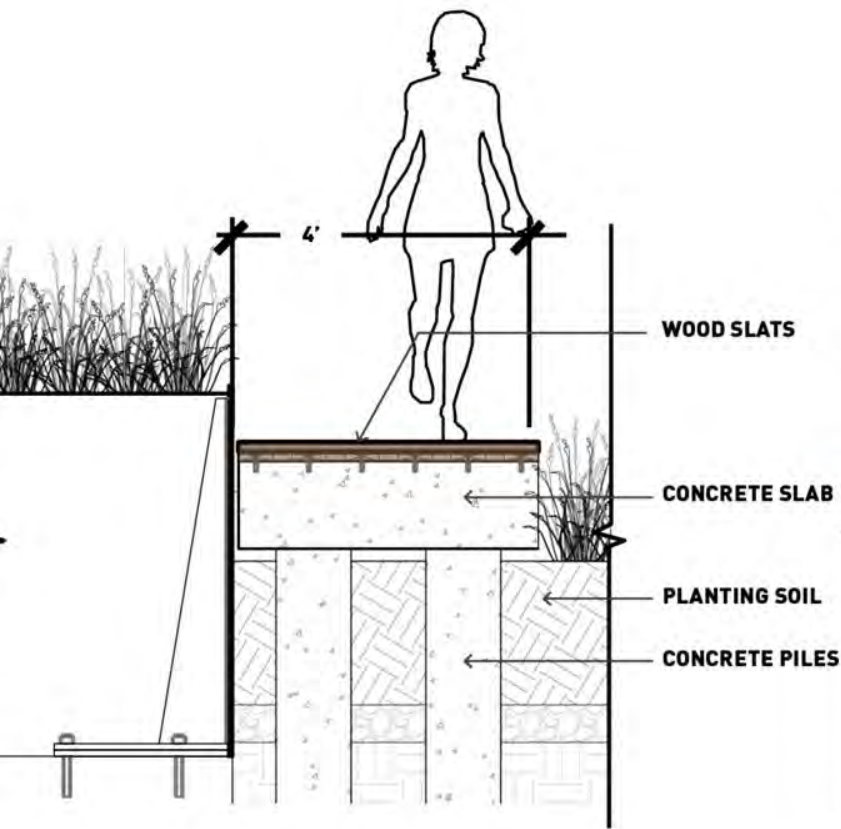


MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**BOARDWALK**

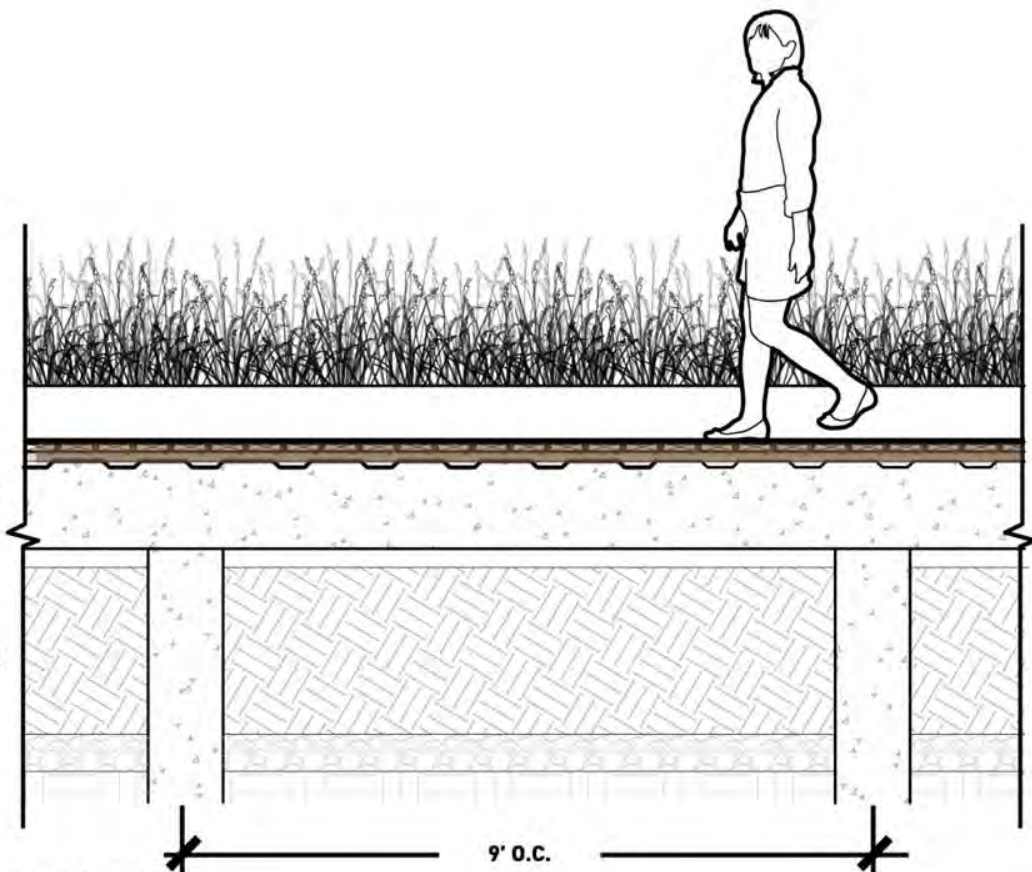




MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**BOARDWALK**



**SECTION**

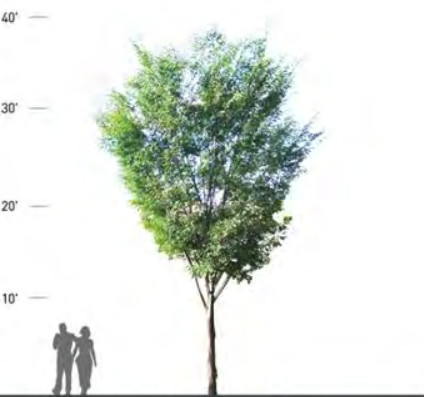


**ELEVATION**



MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**GARDEN PALETTE**

**Common Zelkova**  
*Zelkova serrata* 'Green Vase'  
Height: 35'  
Spread: 15'



**STREET TREE**

**Eastern Redbud**  
*Cercis canadensis*  
Height: 20'  
Spread: 15'



**Japanese Stewartia**  
*Stewartia pseudocamellia*  
Height: 25'  
Spread: 15'



**GARDEN TERRACES**

**Japanese snowbell**  
*Styrax japonica*  
Height: 25'  
Spread: 15'





MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**GARDEN PALETTE**

**Yoshino cherry**  
*Prunus x Yedoensis*  
Height: 20'  
Spread: 15'

40' —  
30' —  
20' —  
10' —



**Eddies White Wonder Dogwood**  
*Cornus nuttallii x florida "Eddies White Wonder"*  
Height: 20'  
Spread: 15'



**Western Redbud**  
*Cercis occidentalis*  
Height: 25'  
Spread: 15'



**Japanese Maple**  
*Acer palmatum*  
Height: 8'  
Spread: 10'



**GARDEN TERRACES**







**Red-Twig Dogwood**  
*Cornus sericea*



**Giant Rhubarb**  
*Gunnera manicata*



**Sweetflag**  
*Acorus americanus*



**Iris Sp.**  
*Iris*



**Western Spirea**  
*Spiraea douglasii*



**Chilean Rhubarb**  
*Gunnera tinctoria*



**Dewey's sedge**  
*Carex deweyana*



**Common Camas**  
*Camassia quamash*



**Squashberry**  
*Viburnum edule*



**Umbrella Plant**  
*Darmara peltata*



**California Gray Rush**  
*Juncus patens*



**Equisetum Sp.**  
*Equisetum hyemale, telmatia*





**Dwarf fothergilla**  
*Fothergilla gardenii*



**Beargrass**  
*Xerophyllum tenax*



**Echinacea Sp.**  
*Echinacea*



**Stonecrop Sedum**  
*Sedum angelina*, *Sedum*  
*'Purple Emperor'*



**Oak Leafed Hydrangia**  
*Hydrangia quercifolia* 'Pee Wee'



**Large-leaved Lupine**  
*Lupinus polyphyllus*



**California Poppy**  
*Eschscholzia californica*



**Filipendula Sp.**  
*Meadowsweet Sp.*



**Tufted Hair Grass**  
*Deschampsia cespitosa*



**Bishop's Hat**  
*Epimedium grandiflorum* 'Lilafee'



**Bishop's Hat**  
*Epimedium rubrum*



**Bugbane Sp.**  
*Aclaea Sp.*



**Sheep Fescue**  
*Festuca ovina*



**Allium Sp.**  
*Allium*



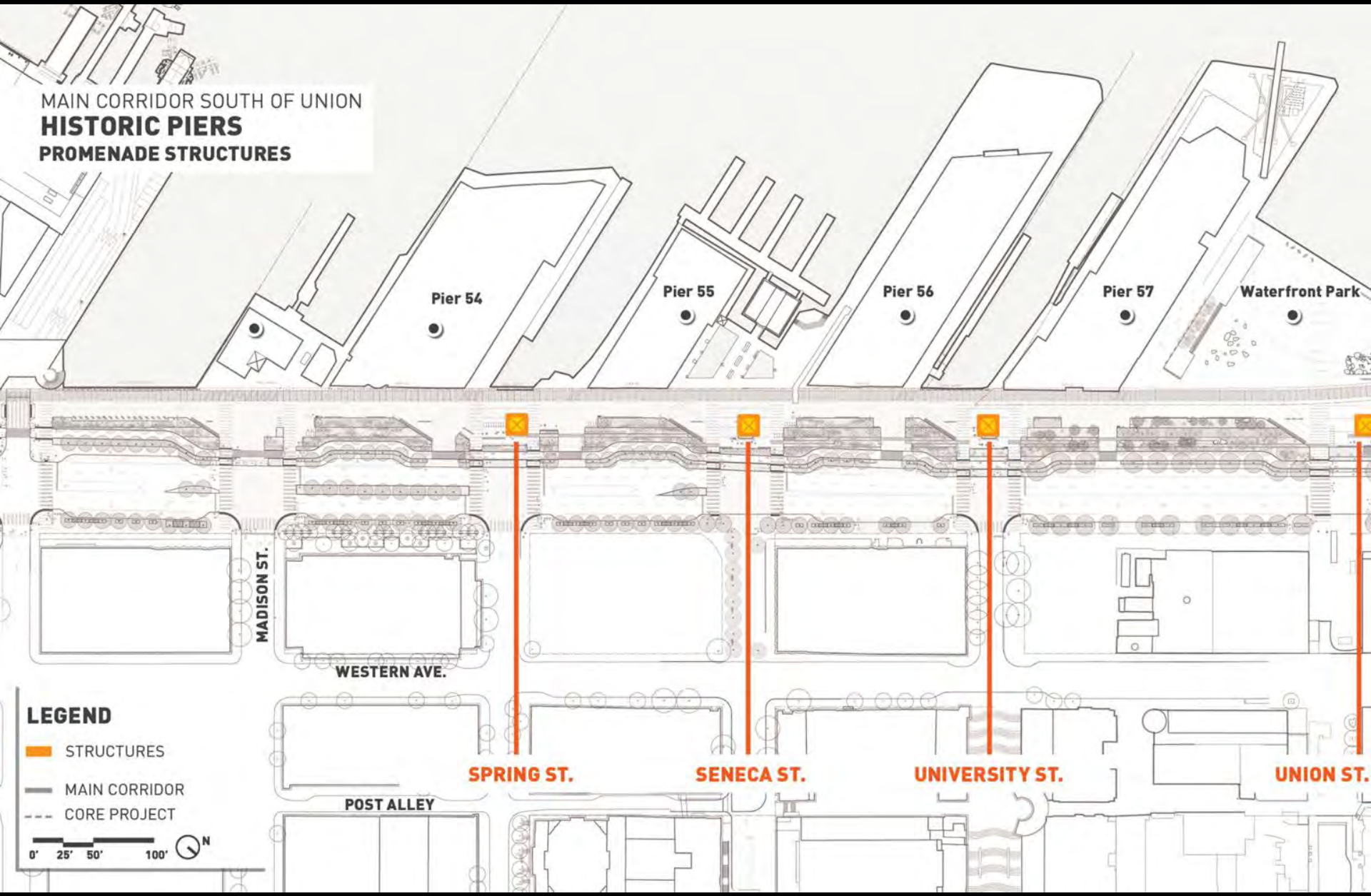
**Nepta**  
*Nepeta racemosa* 'Walker's Low'



**Goat's Beard Sp.**  
*Aruncus Sp.*



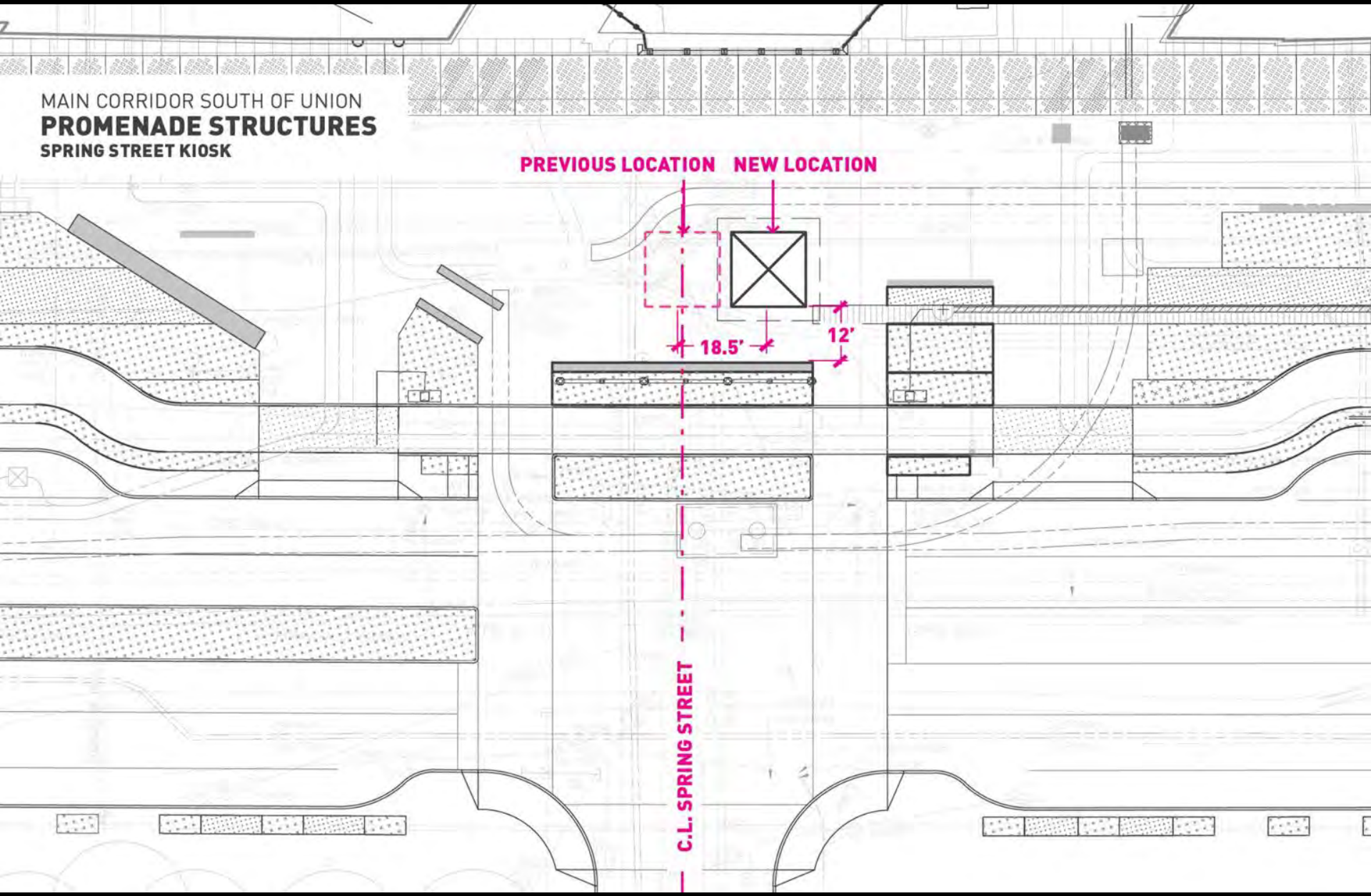
MAIN CORRIDOR SOUTH OF UNION  
**HISTORIC PIERS**  
**PROMENADE STRUCTURES**





MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**  
SPRING STREET KIOSK

PREVIOUS LOCATION    NEW LOCATION



C.L. SPRING STREET

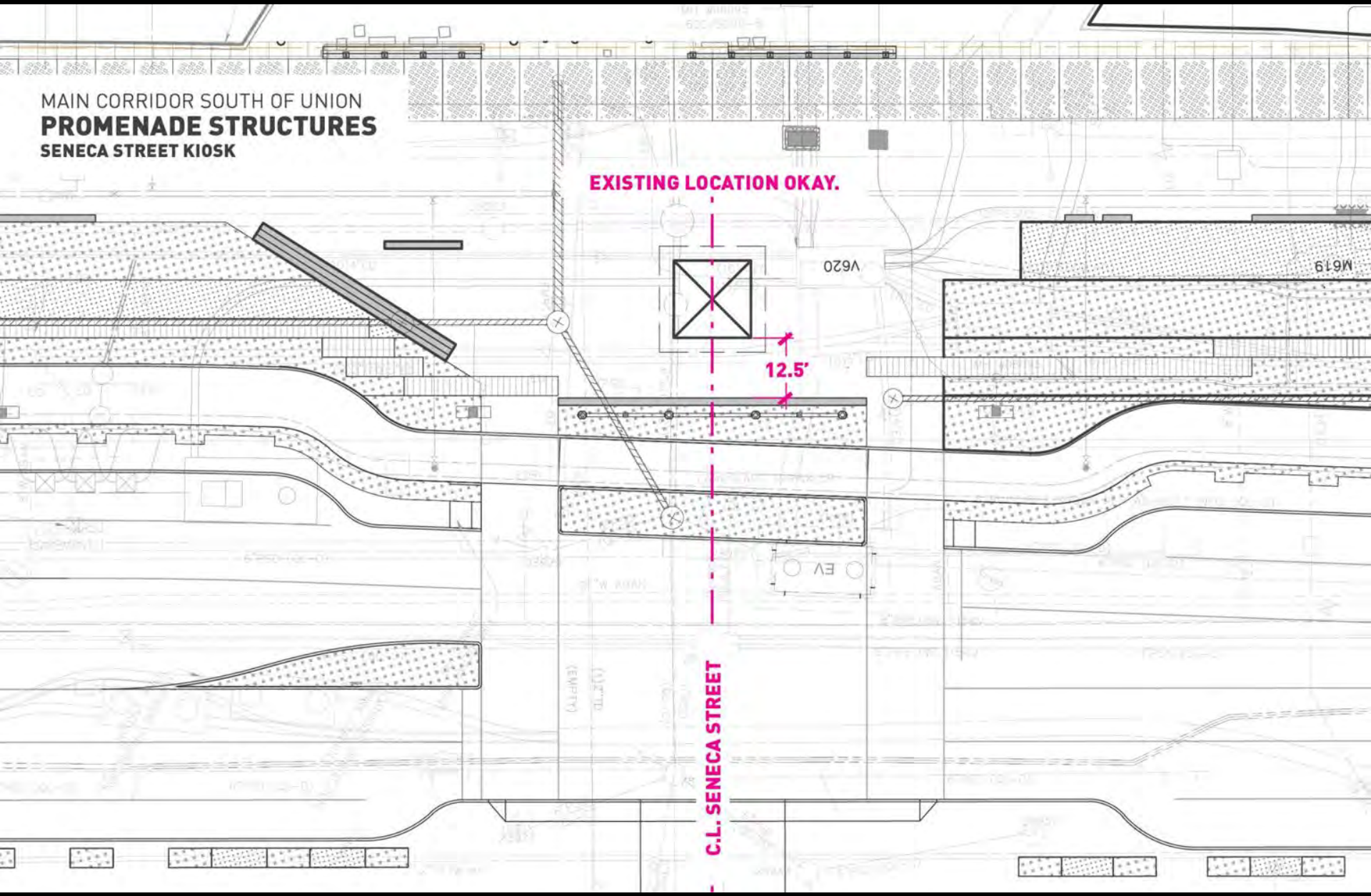


MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**  
SENECA STREET KIOSK

EXISTING LOCATION OKAY.

12.5'

C.L. SENECA STREET





MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**  
UNIVERSITY STREET KIOSK

OPEN WATER

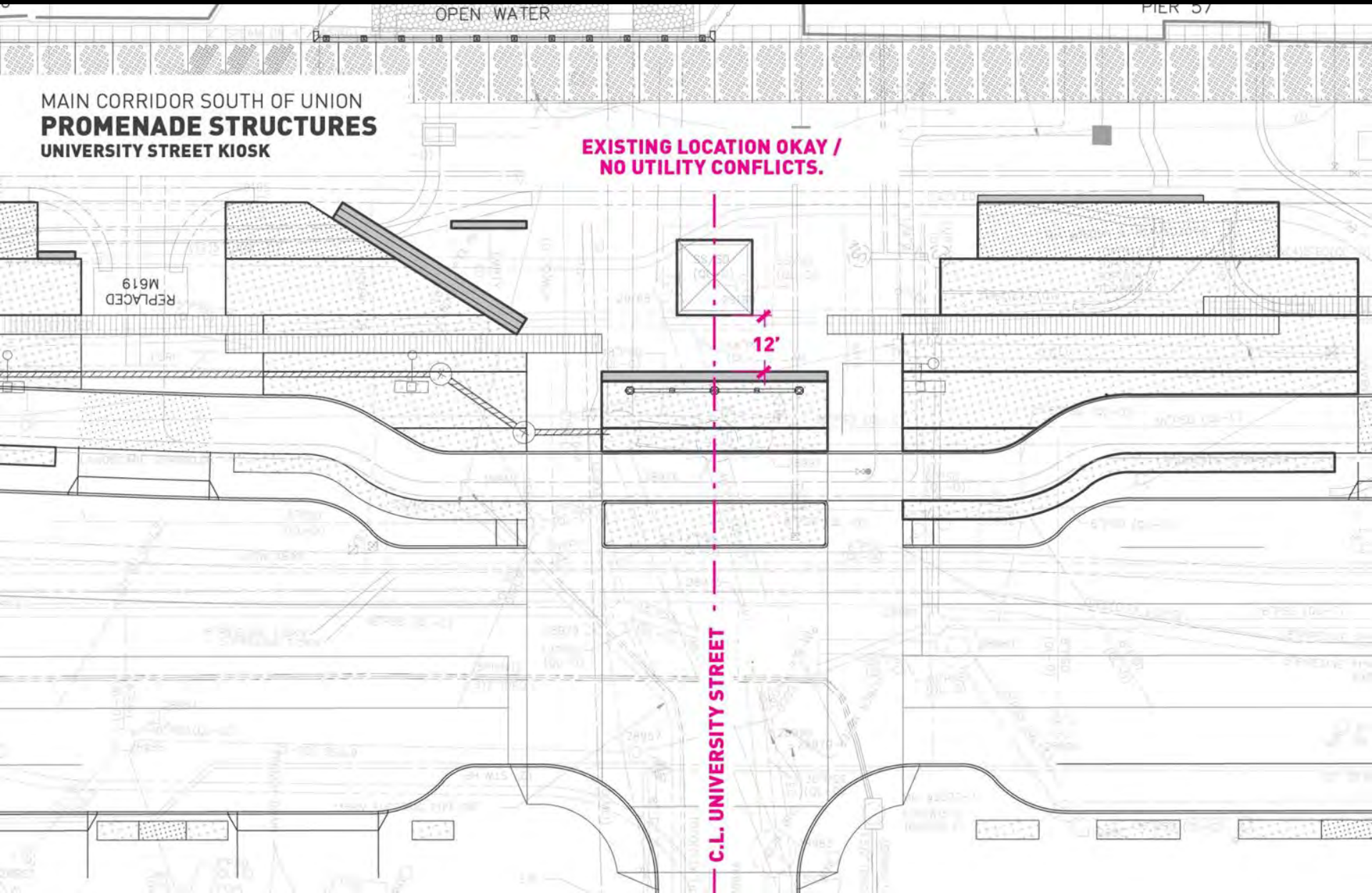
PIER 37

EXISTING LOCATION OKAY /  
NO UTILITY CONFLICTS.

REPLACED  
M619

12'

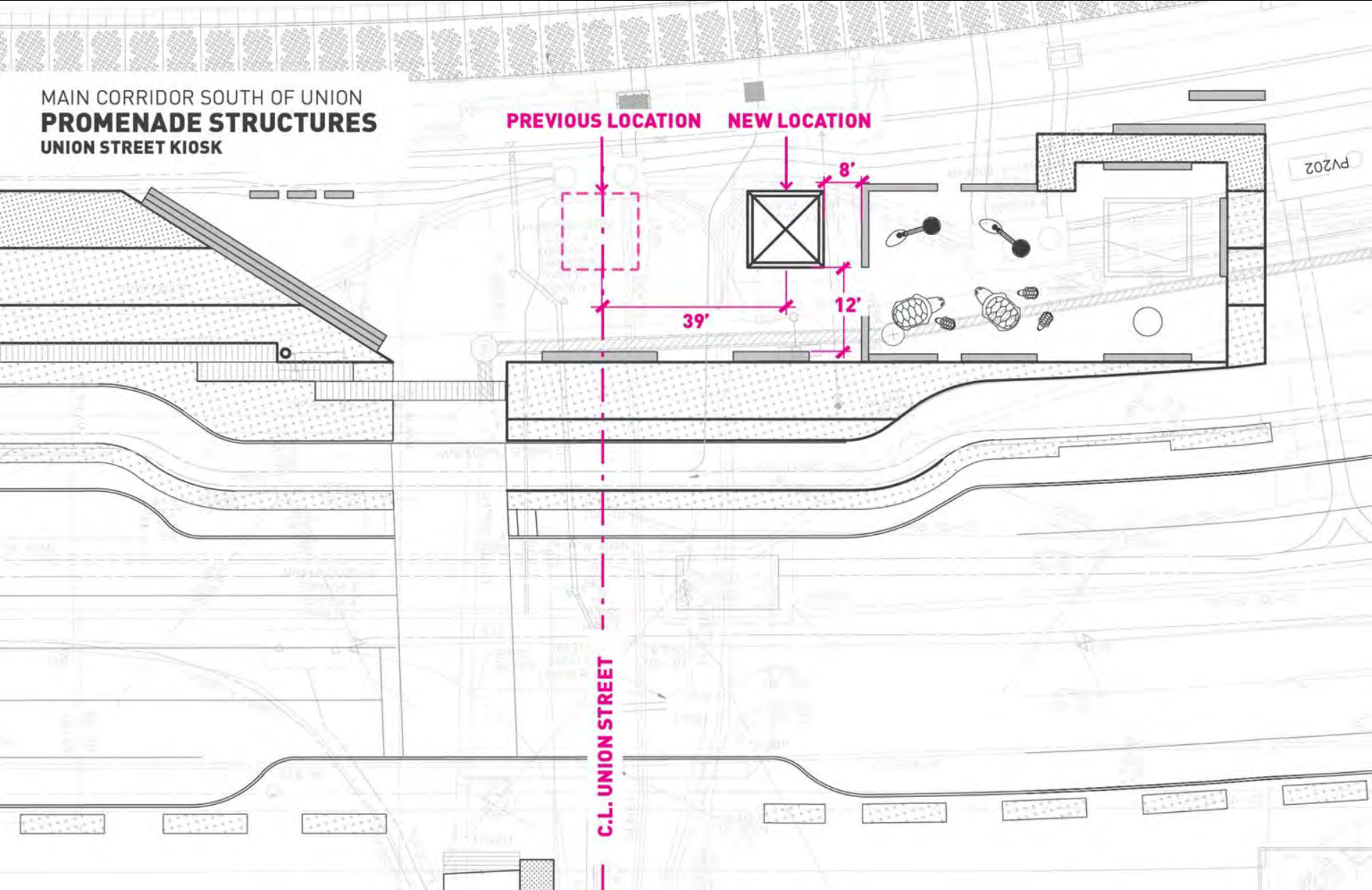
C.L. UNIVERSITY STREET





MAIN CORRIDOR SOUTH OF UNION  
**PROMENADE STRUCTURES**  
UNION STREET KIOSK

PREVIOUS LOCATION    NEW LOCATION





**KIOSKS 30% DESIGN**



An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. A proposed kiosk design is overlaid on the image, showing a series of small, rectangular structures along the waterfront. The text is in a bold, pink, sans-serif font.

# 100% SCHEMATIC DESIGN

## 1. DESIGN INTENTION

## 2. SCALE & MASSING

## 3. FUNCTIONALITY STUDIES

## 4. SHELTER & OPENINGS

## 5. MATERIALS

## 6. REFLECTIVITY AND GLARE



An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. The image includes architectural design overlays: a green park area with trees and a path along the waterfront, a red Ferris wheel, and several red and white striped poles. The Space Needle is visible in the background.

# 1. DESIGN INTENTION

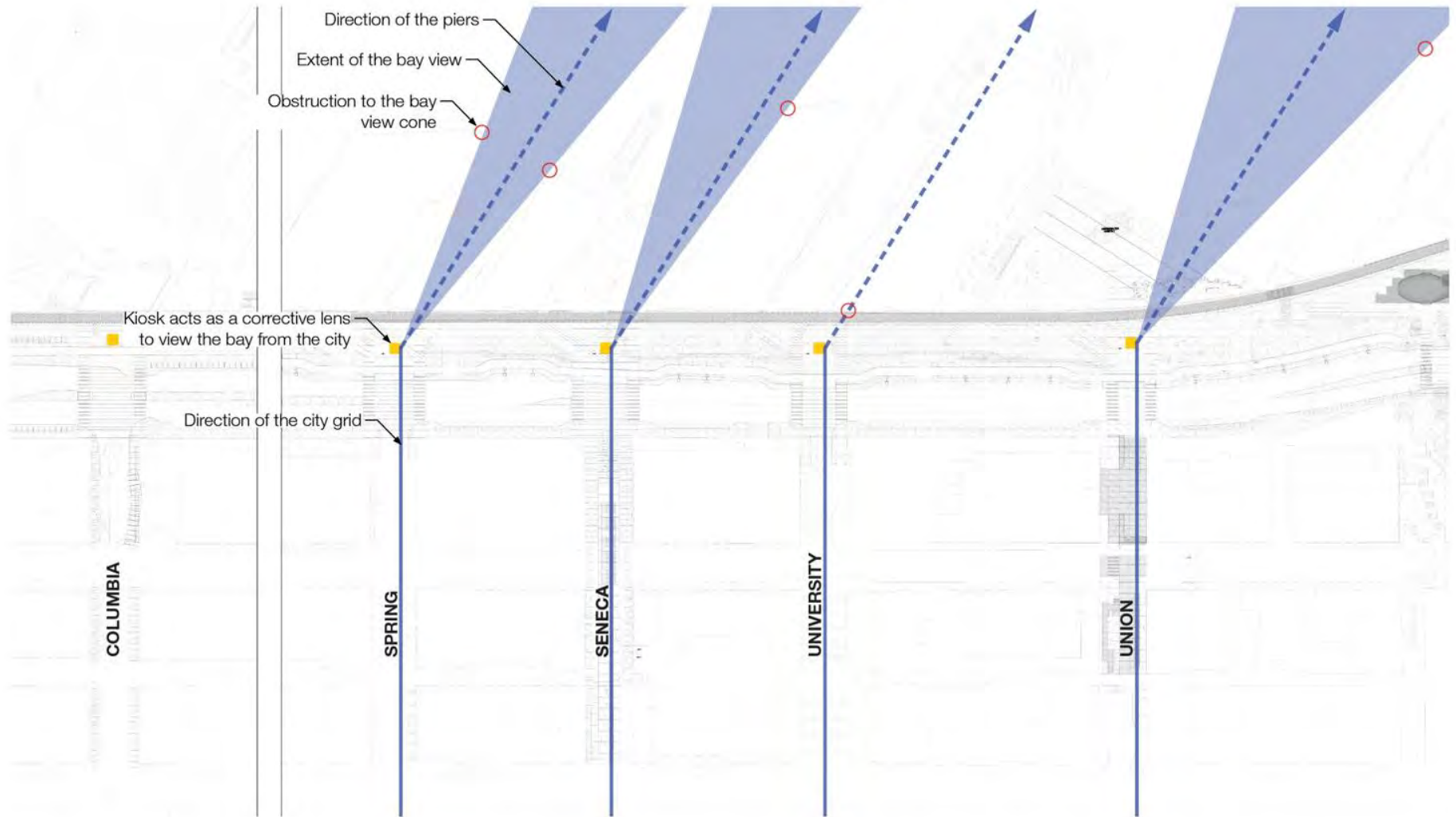
**WATERFRONT SEATTLE KIOSKS**  
nARCHITECTS

**30% DESIGN (100% SD)**  
October 16, 2014

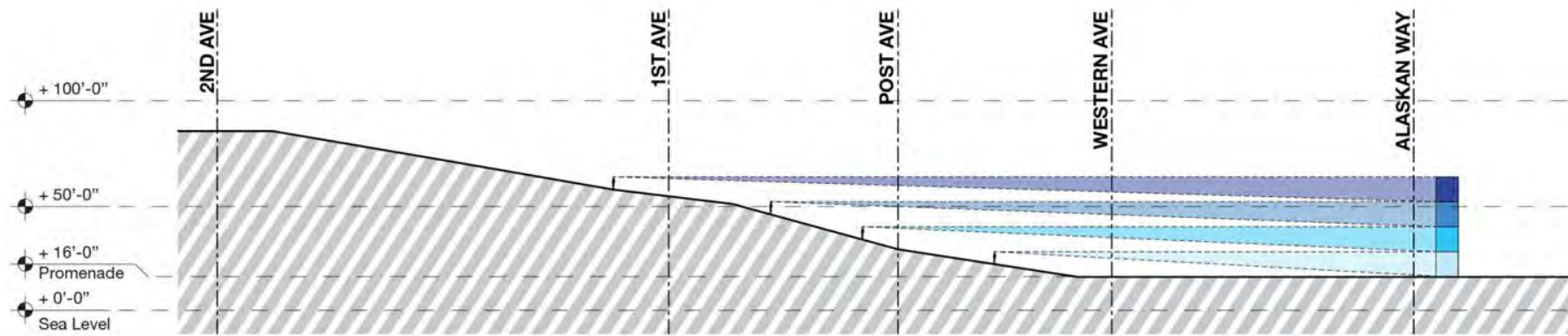




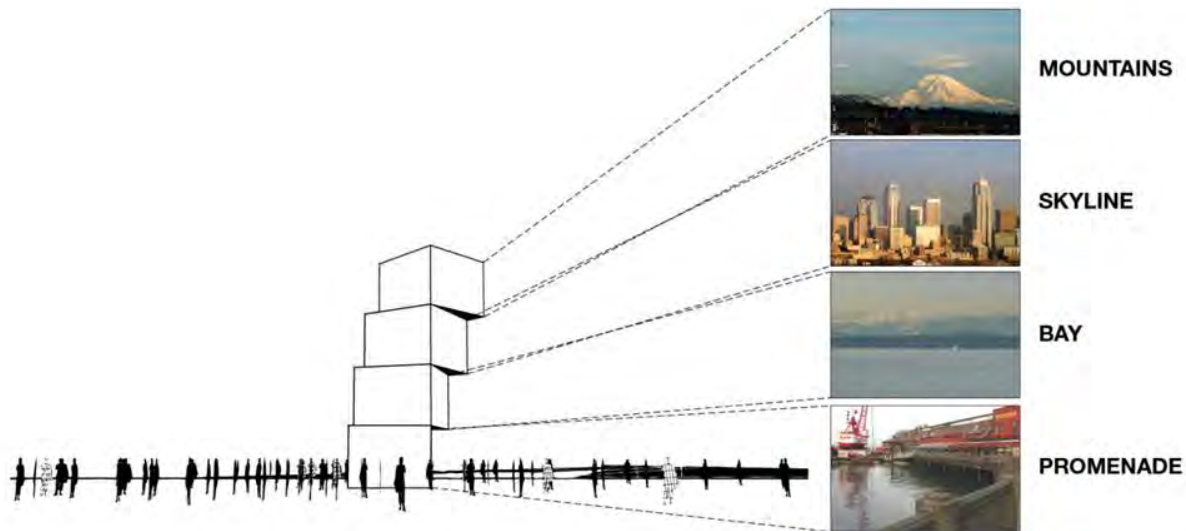




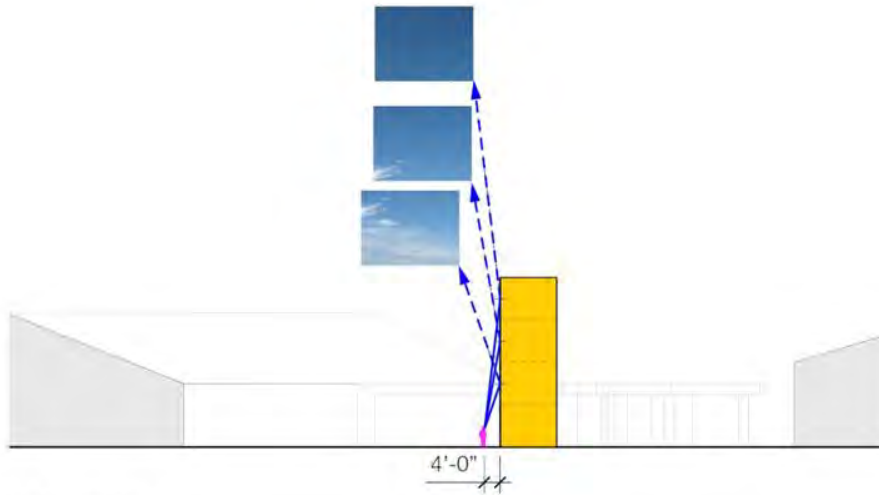




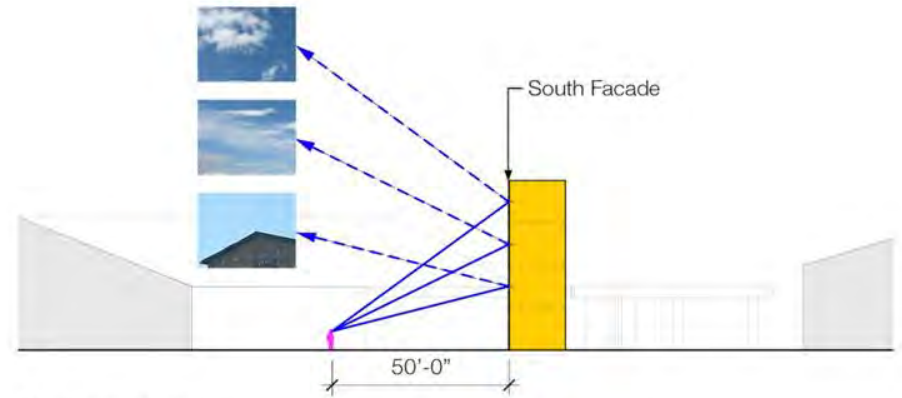
GLIMPSES OF KIOSKS FROM CITY STREETS



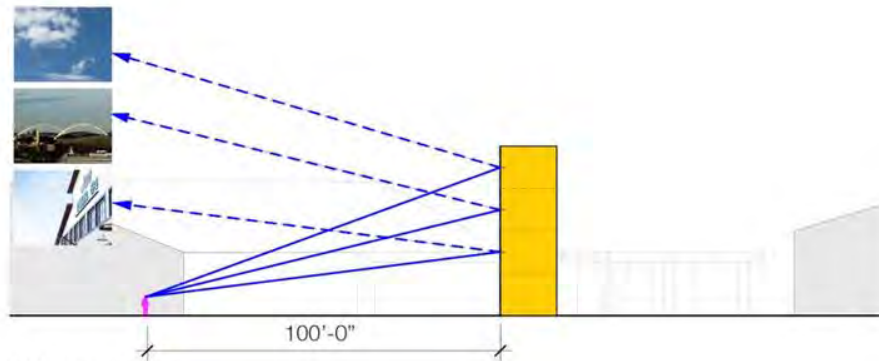




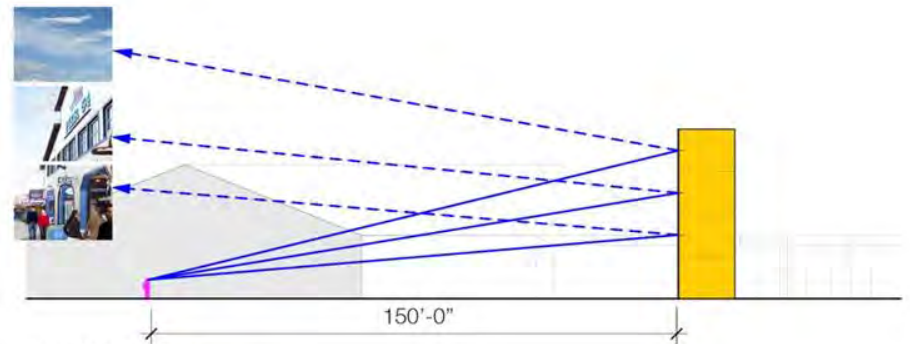
4'-0" from Kiosk



50'-0" from Kiosk



100'-0" from Kiosk



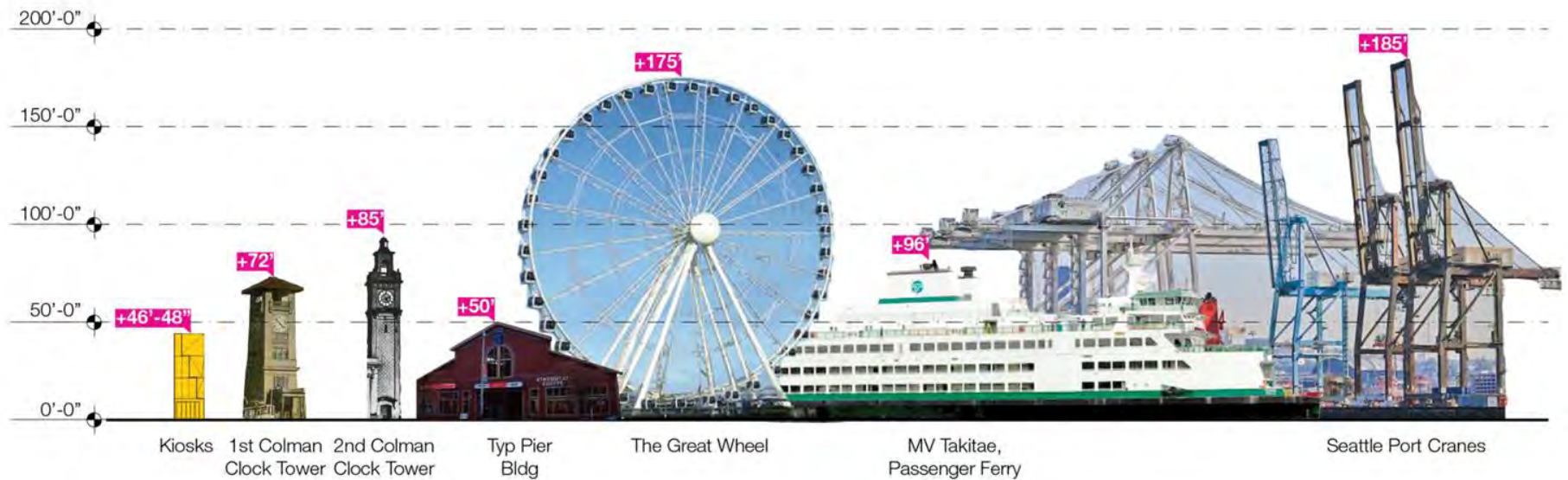
150'-0" from Kiosk



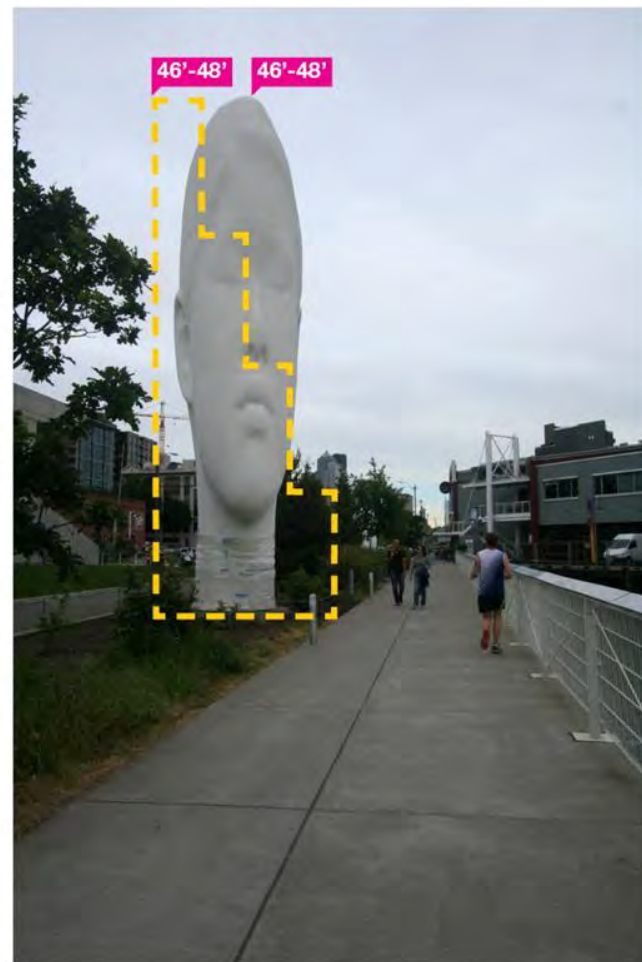
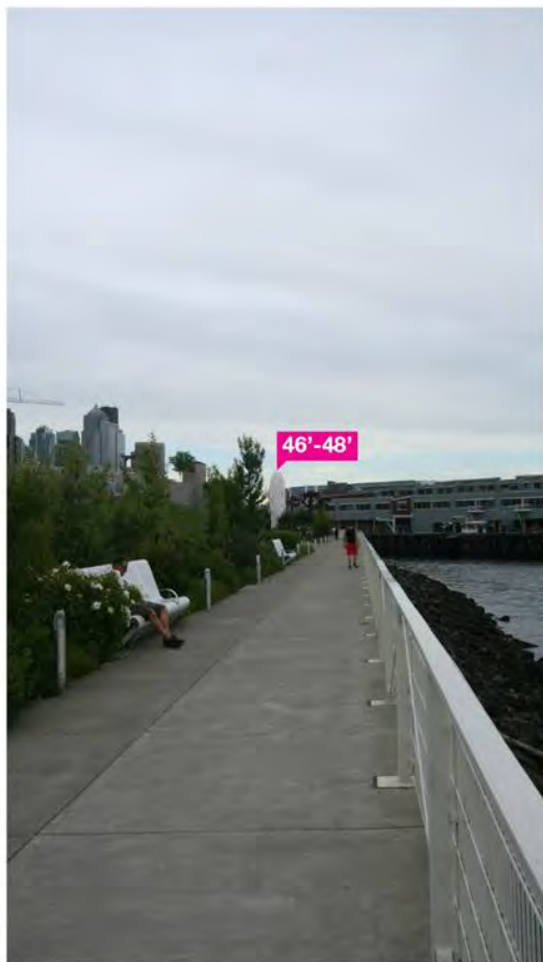
An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. The image includes architectural overlays such as a green promenade with trees, a red Ferris wheel, and various building footprints and streets. The text '2. KIOSK SCALE AND MASSING' is overlaid in large, bold, pink letters.

## 2. KIOSK SCALE AND MASSING



























An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. The image includes architectural overlays such as a green promenade with trees, a red Ferris wheel, and various building footprints and streets. The text "3. FUNCTIONALITY STUDIES" is overlaid in large, bold, pink letters.

### 3. FUNCTIONALITY STUDIES

**WATERFRONT SEATTLE KIOSKS**  
nARCHITECTS

**30% DESIGN (100% SD)**  
October 16, 2014





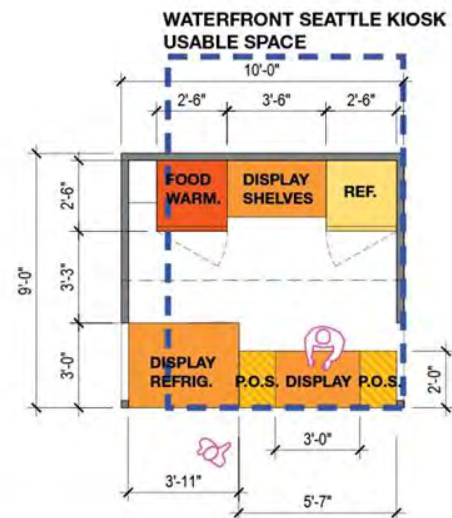
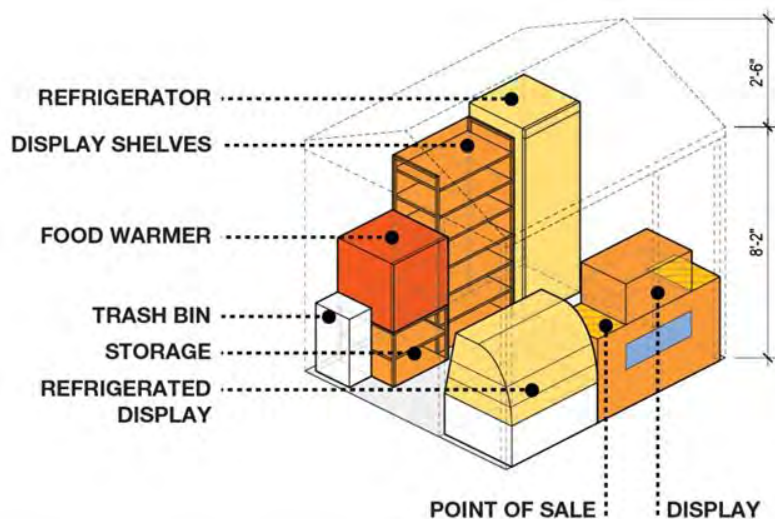
KIOSK FRONT



KIOSK INTERIOR



KIOSK COUNTER







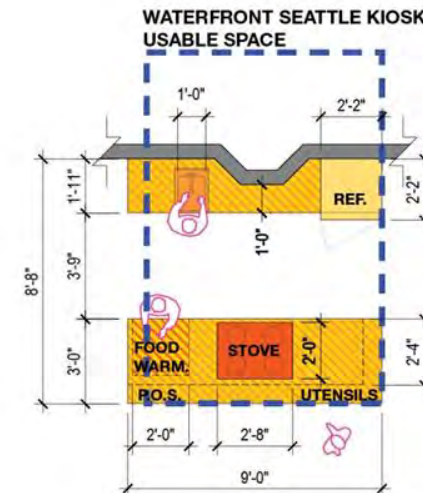
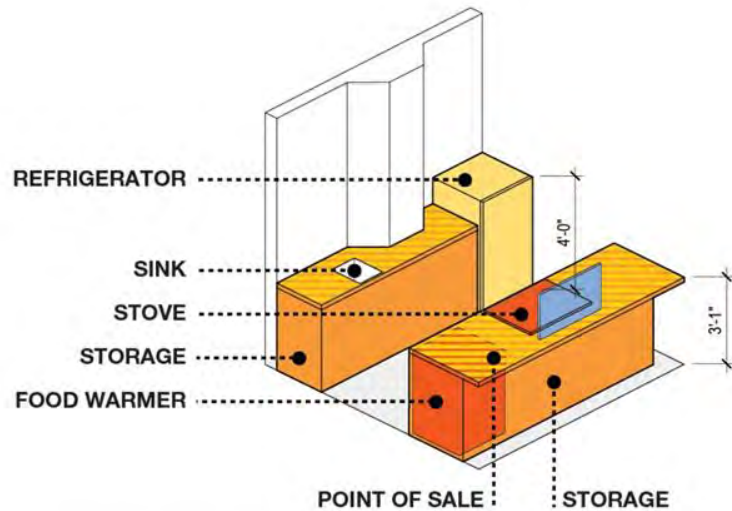
KIOSK FRONT



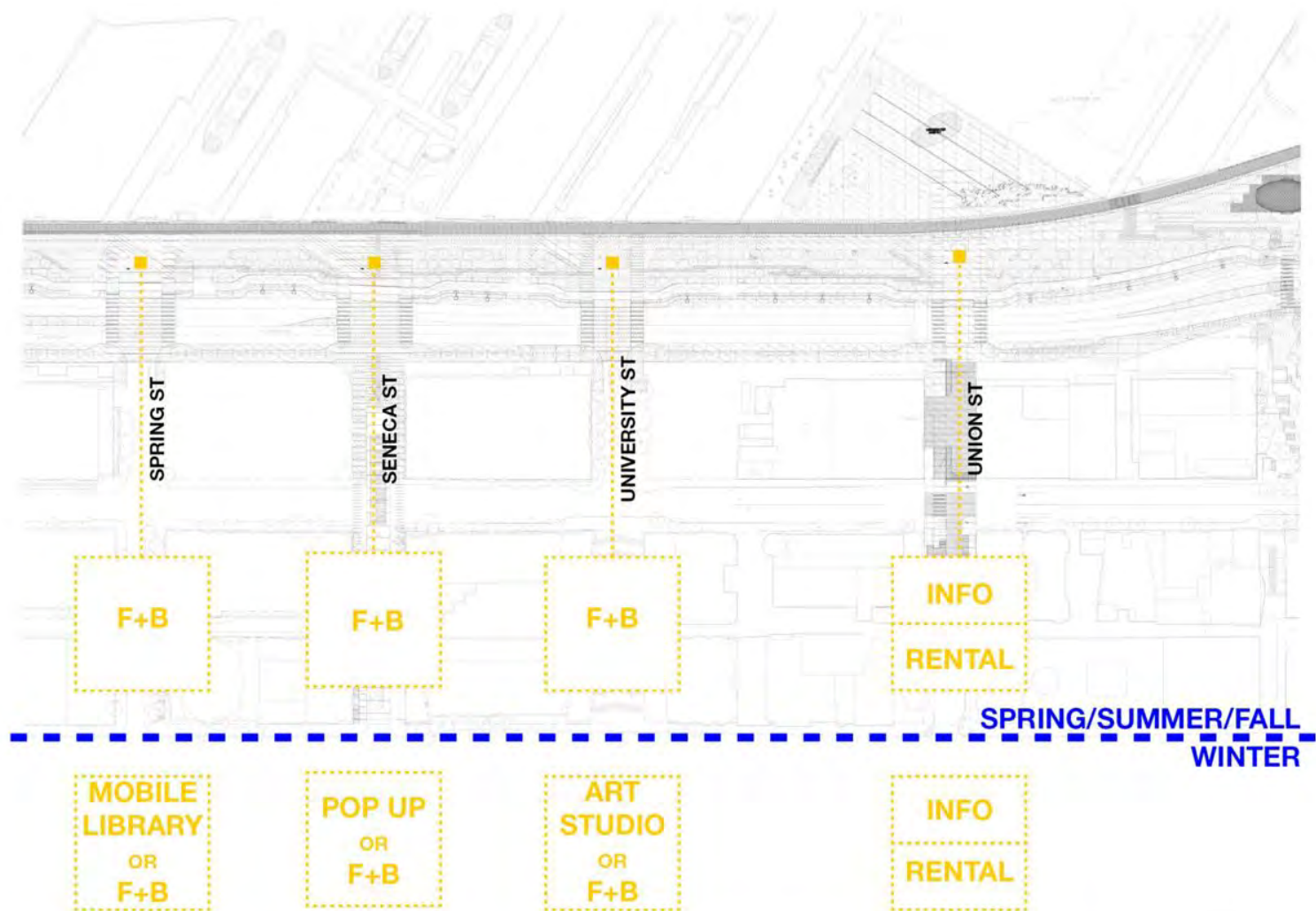
KIOSK INTERIOR



KIOSK COUNTER

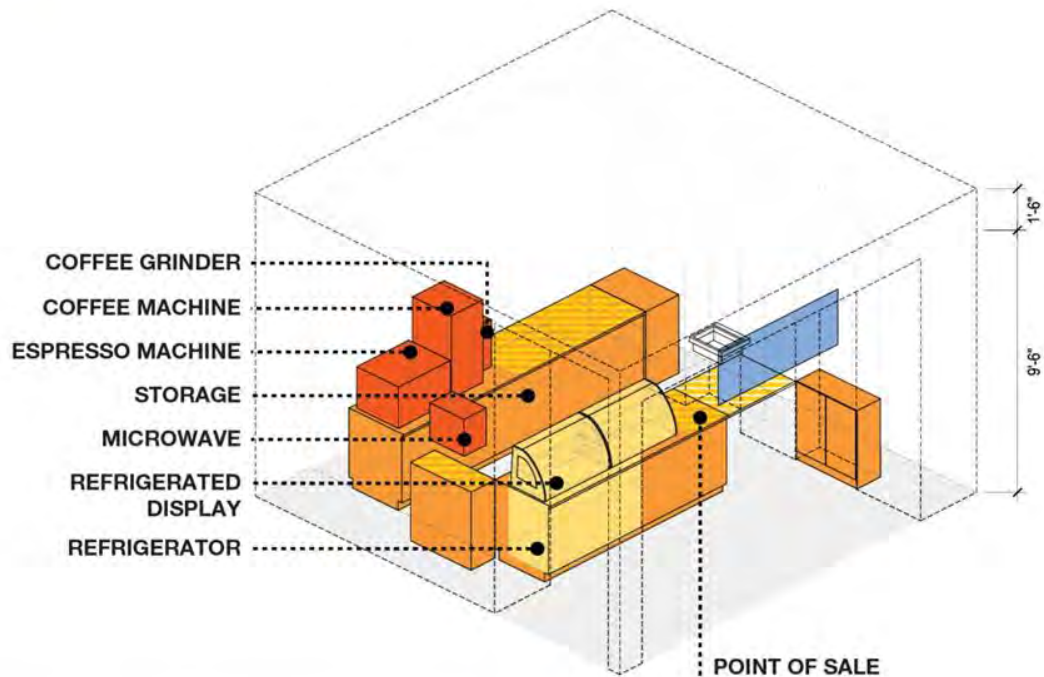








- REFRIGERATED STORAGE
- DRY STORAGE
- EQUIPMENT + APPLIANCES
- COUNTER + POINT OF SALE
- SIGNAGE





## KITCHEN EQUIPMENT:



UNDER-COUNTER  
REFRIGERATOR (X 2)



REFRIGERATED DISPLAY (X 2)



MICROWAVE



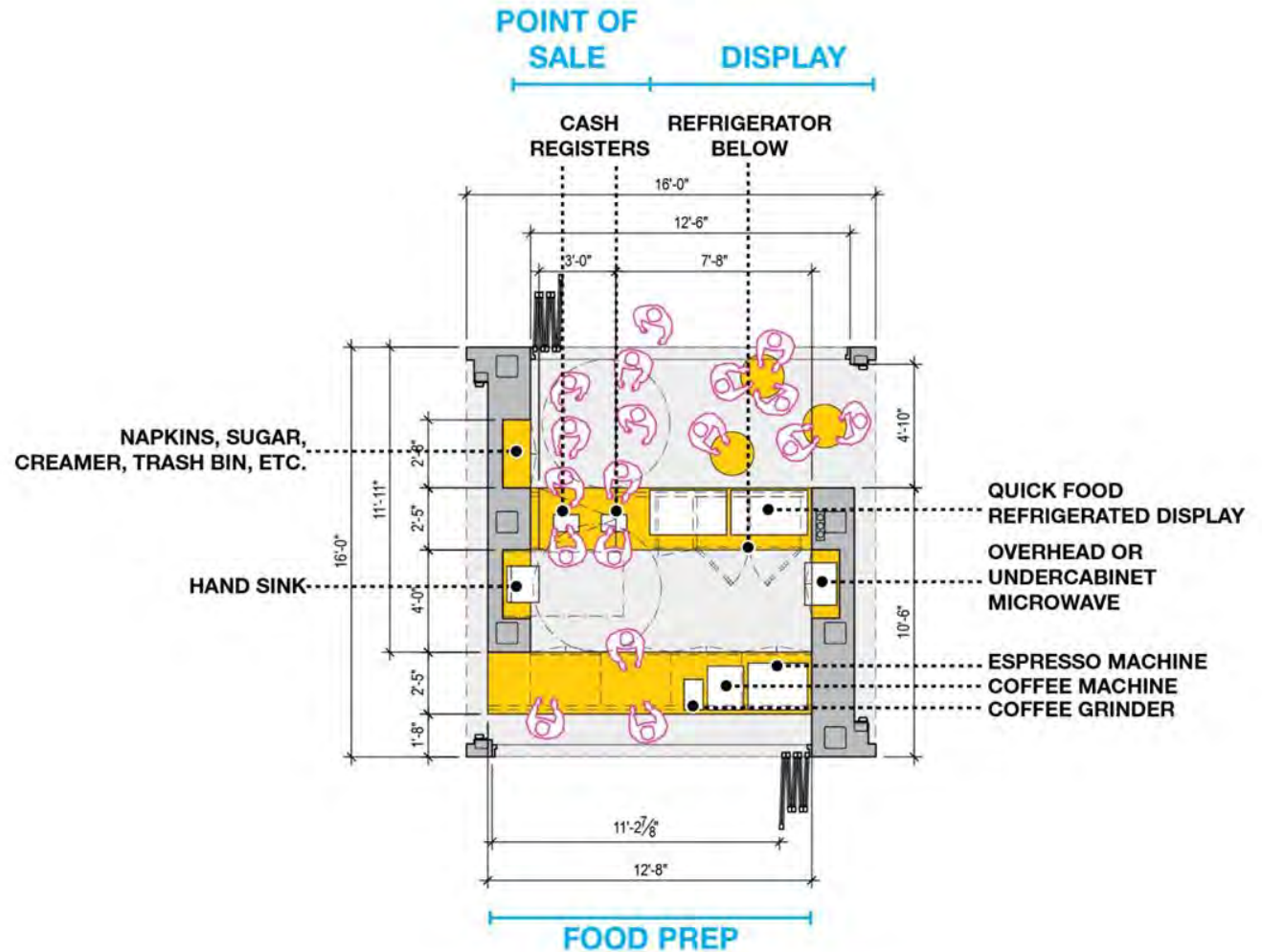
ESPRESSO MACHINE



COFFEE  
GRINDER



COFFEE  
MACHINE

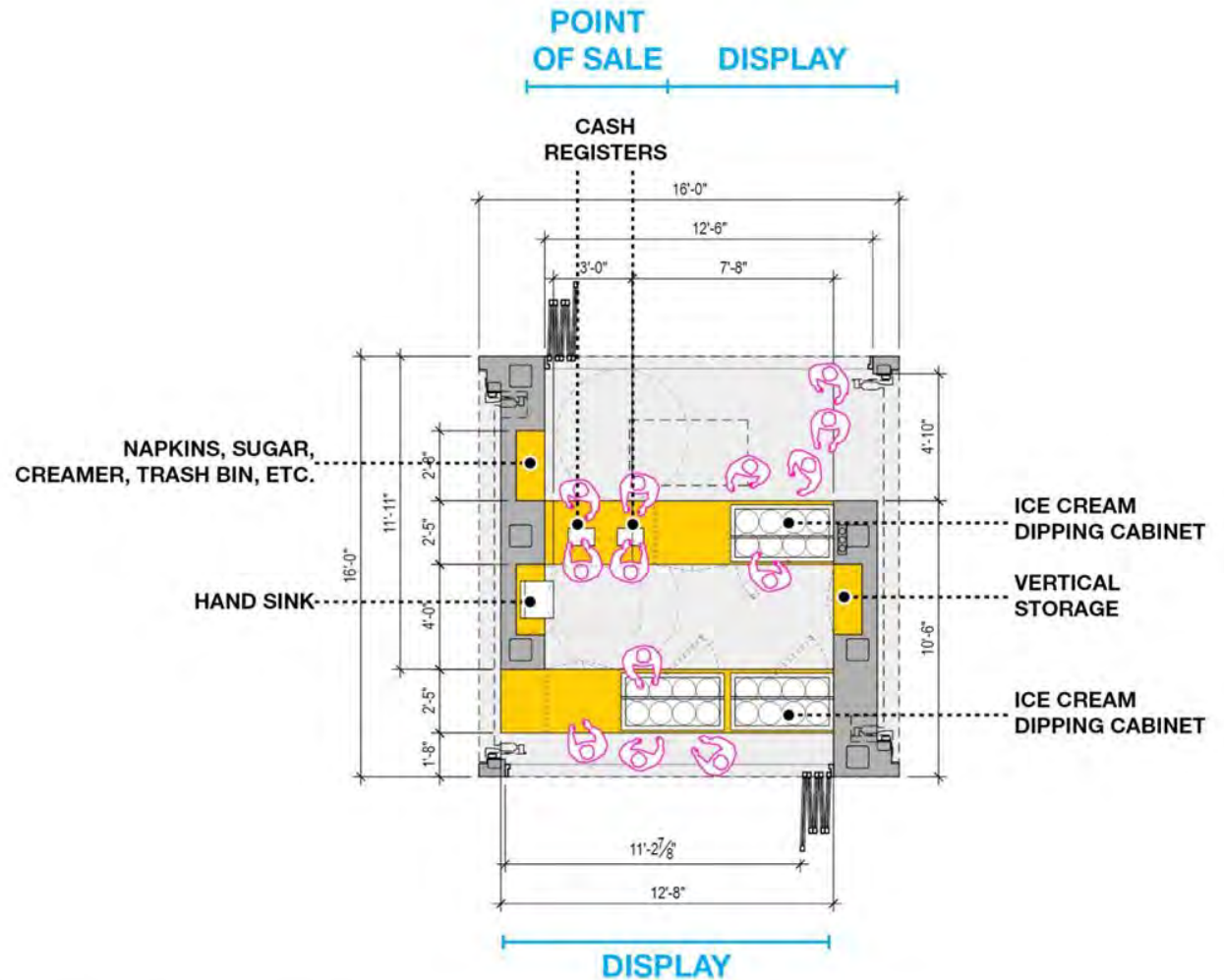




## KITCHEN EQUIPMENT:



ICE CREAM DIPPING CABINET (X 3)





## KITCHEN EQUIPMENT:



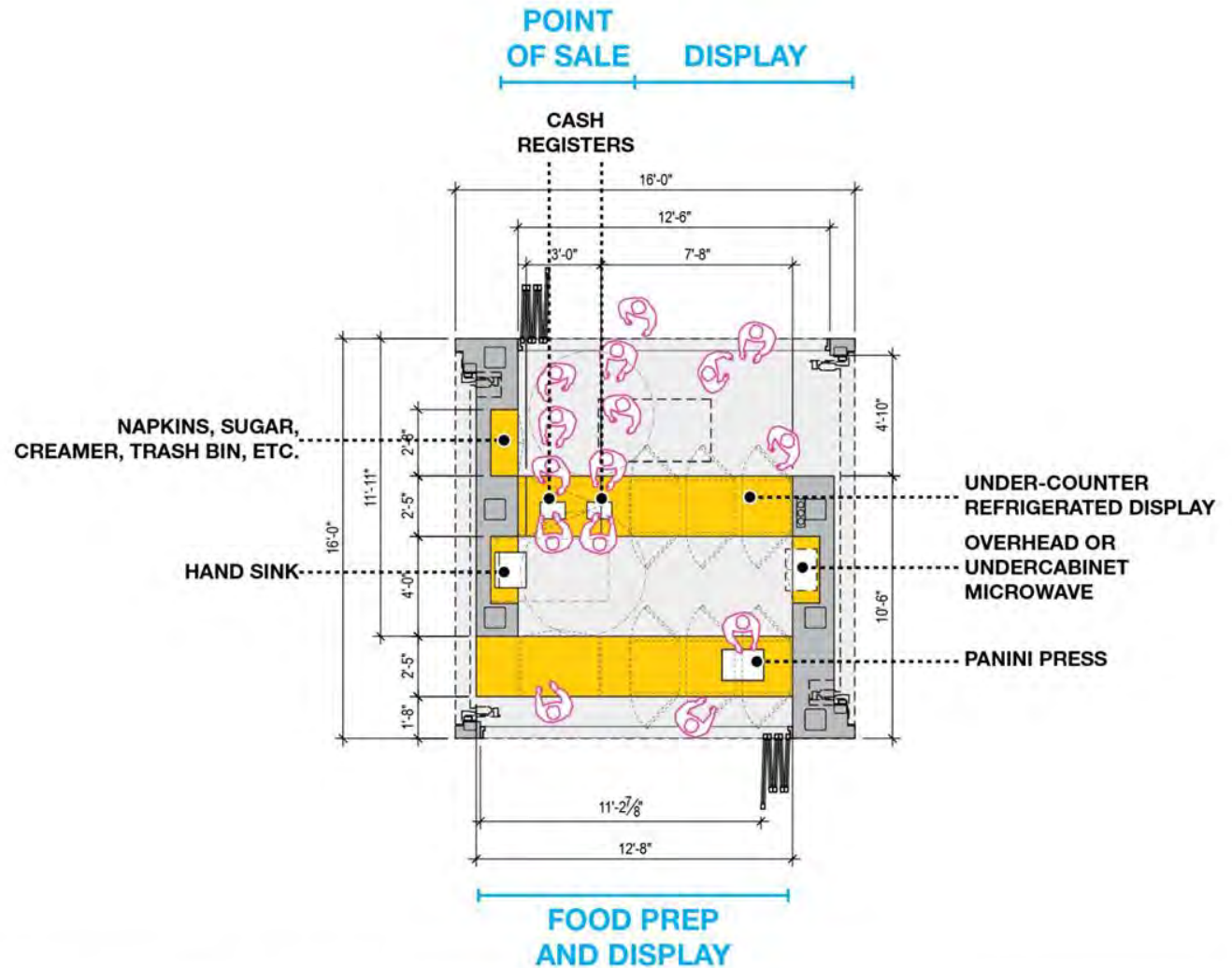
MICROWAVE



UNDER-COUNTER REFRIGERATED  
DISPLAY

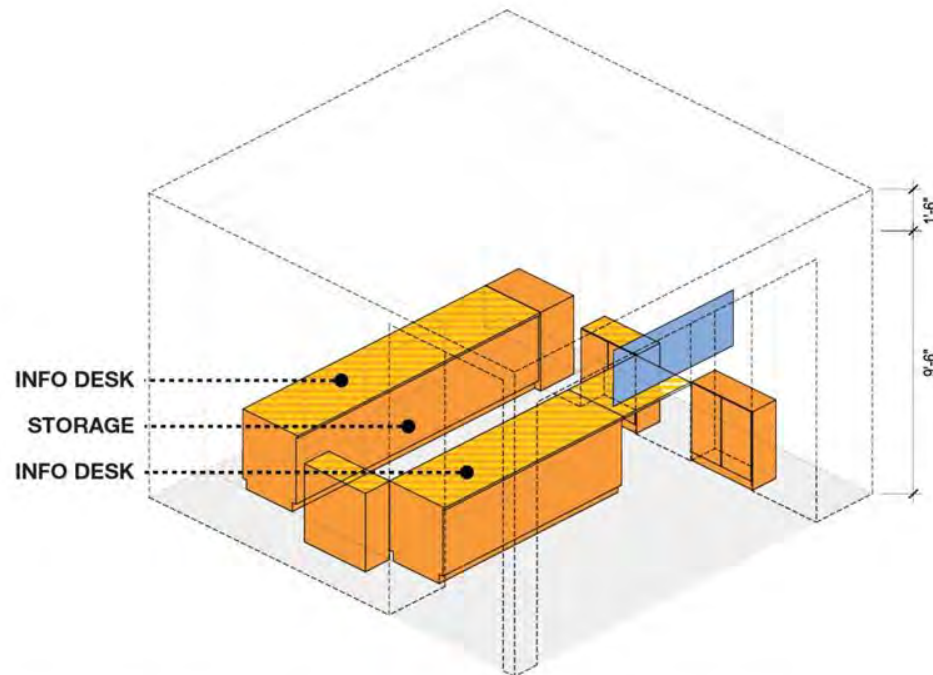


PANINI PRESS

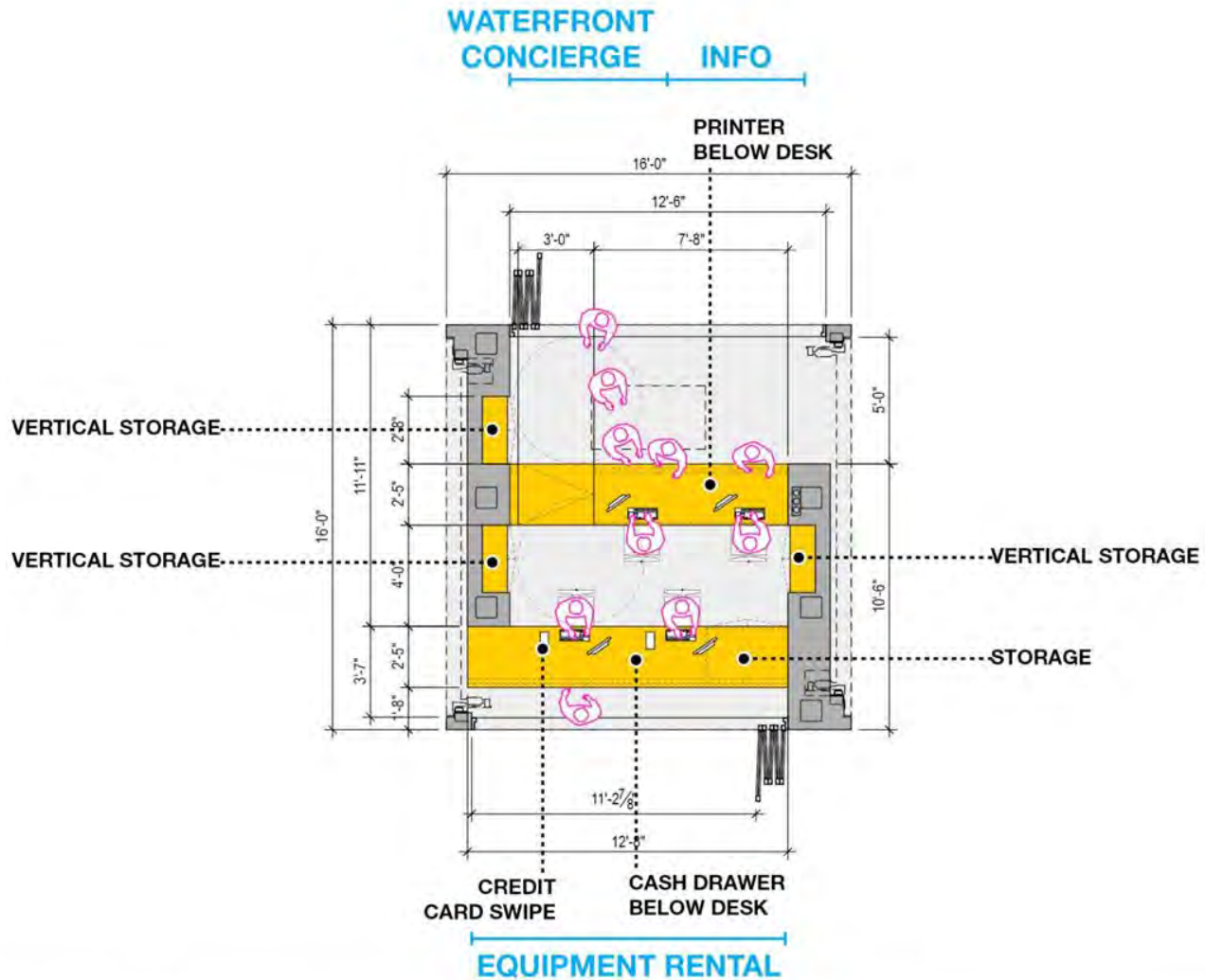




- REFRIGERATED STORAGE
- DRY STORAGE
- EQUIPMENT + APPLIANCES
- COUNTER + POINT OF SALE
- SIGNAGE









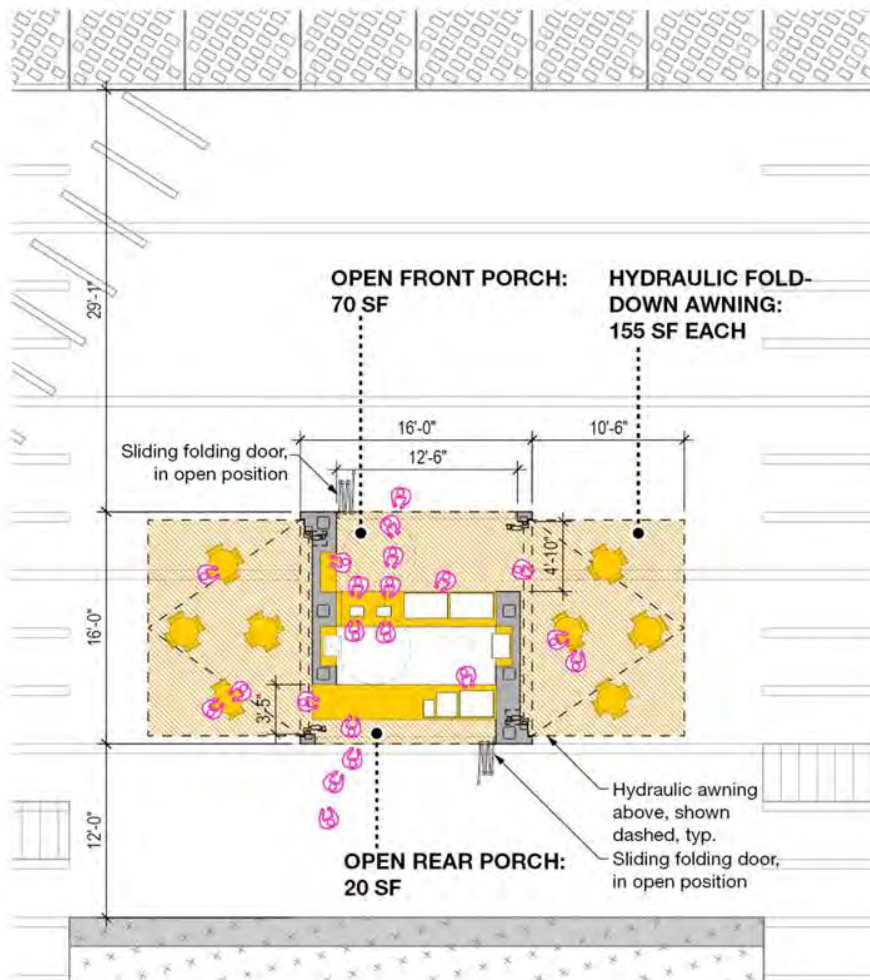
An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. The image includes architectural overlays such as green spaces, walkways, and building footprints. The Space Needle is visible in the background. The text '4. SHELTER & OPENINGS' is overlaid in large, bold, pink letters.

## 4. SHELTER & OPENINGS

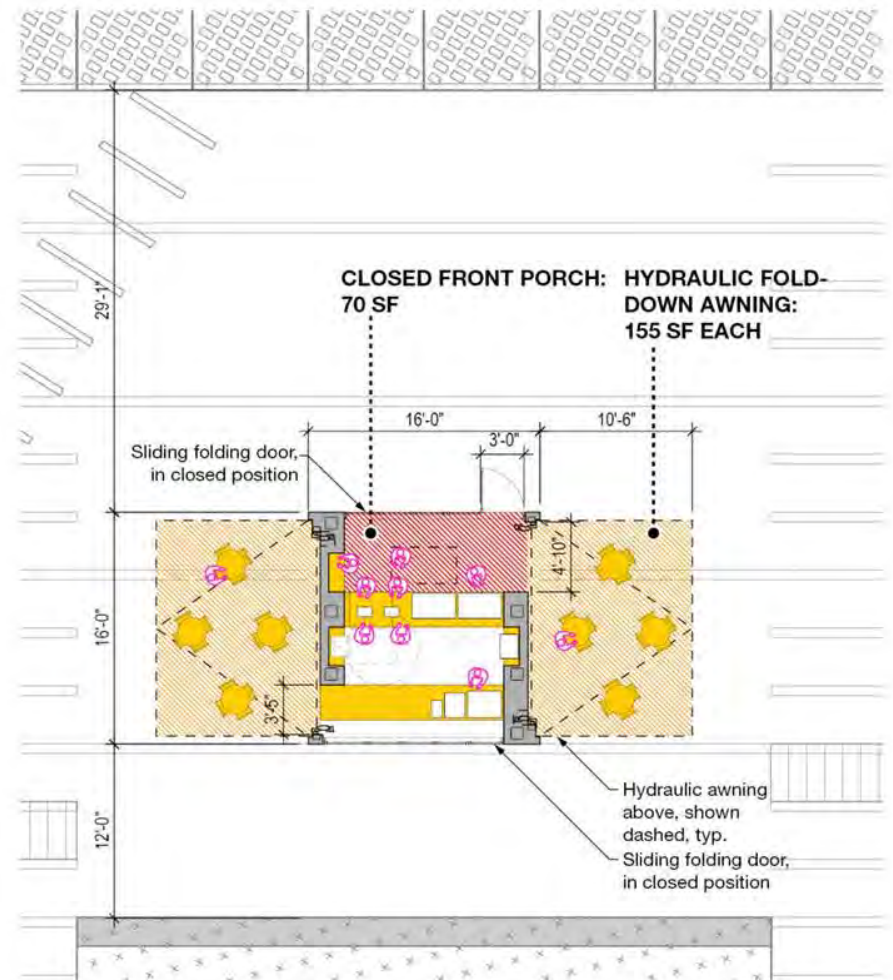








1. KIOSK WITH MAXIMUM SUN AND RAIN SHELTER



2. KIOSK WITH INTERIOR SHELTER





KIOSK WITH MAXIMUM SUN AND RAIN SHELTER





**KIOSK WITH INTERIOR SHELTER**



**FULLY CLOSED KIOSK**



An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. The image includes architectural overlays such as green spaces, walkways, and building footprints. The Space Needle is visible in the background. The text '5. MATERIALS' is overlaid in large, bold, pink letters on the left side of the image.

## 5. MATERIALS

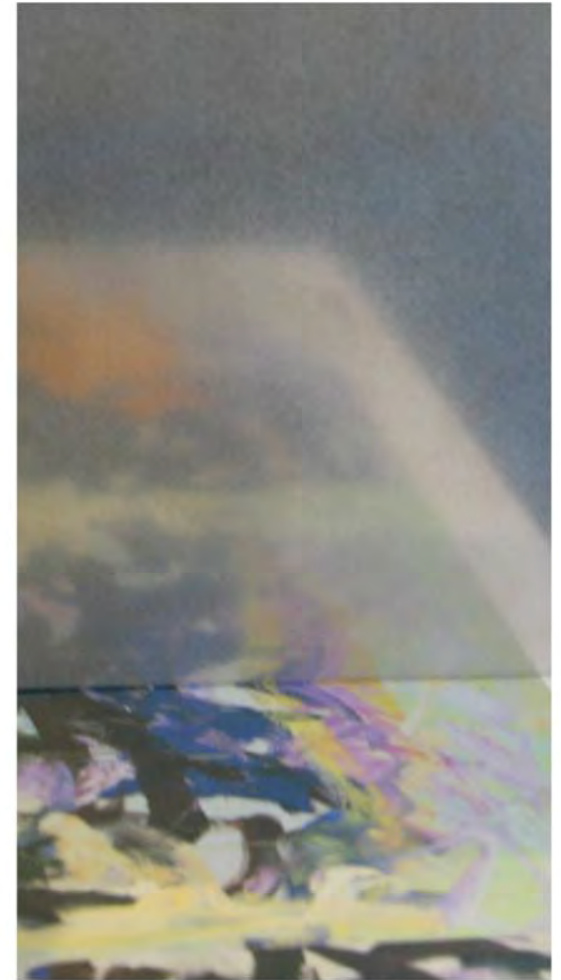




**CHROME FRIT GLASS**



**WHITE TRANSLUCENT GLASS**



**STAINLESS STEEL W/ REFLECTIVE FINISH**





**DOT PATTERN**  
1" diameter dot frit + 1 1/4" spacing o.c.

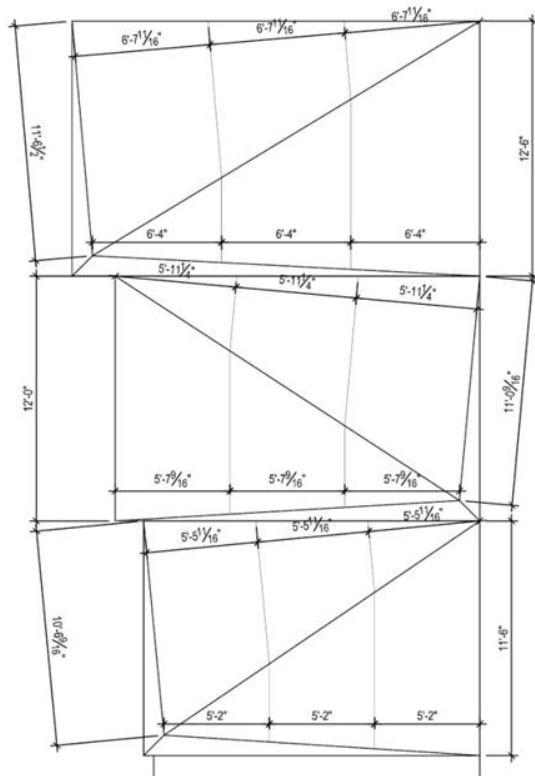


**HORIZONTAL LINE PATTERN**  
1" line + 1/4" spacing, horizontal stripes

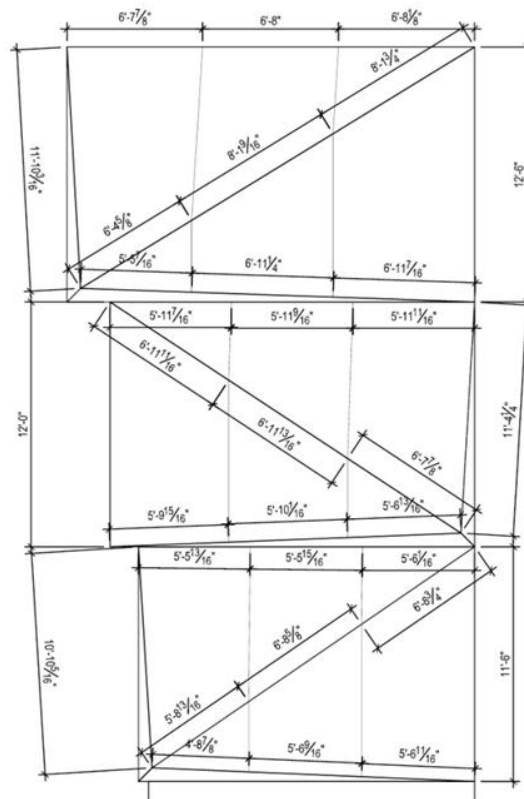


**VERTICAL LINE PATTERN**  
1" line + 1/4" spacing, vertical stripes

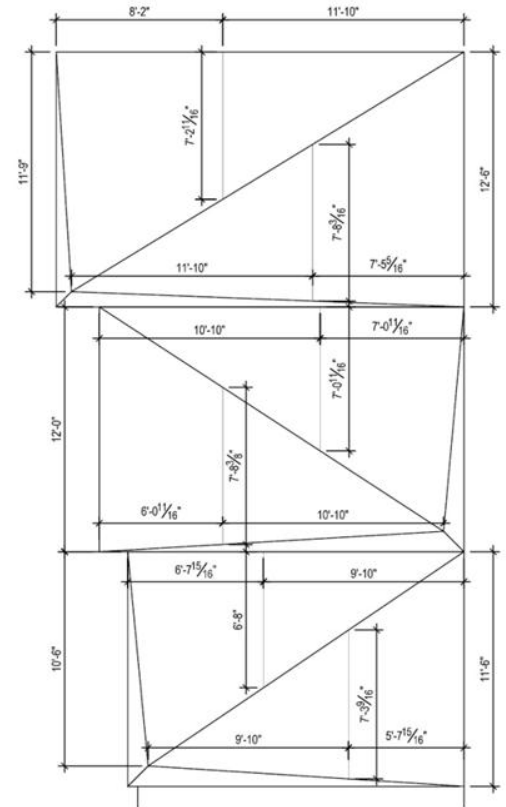




JOINTS PARALLEL TO THE EDGE OF THE VOLUME



JOINTS PARALLEL TO THE GROUND PLANE



STAGGERED JOINTS





**JOINTS PARALLEL TO THE EDGE OF THE VOLUME**



**JOINTS PERPENDICULAR TO THE GROUND PLANE**



**STAGGERED JOINTS**





**OPT. A: HIGH DENSITY LAMINATE TIMBER PANELS**



**OPT. B: RESIN-IMPREGNATED WOOD PLANKS**





**OPT. A: FULL HEIGHT OPEN STORAGE NICHES WITH GRAY LINING**



**OPT. B: FULL HEIGHT OPEN STORAGE NICHES WITH BLUE LINING**



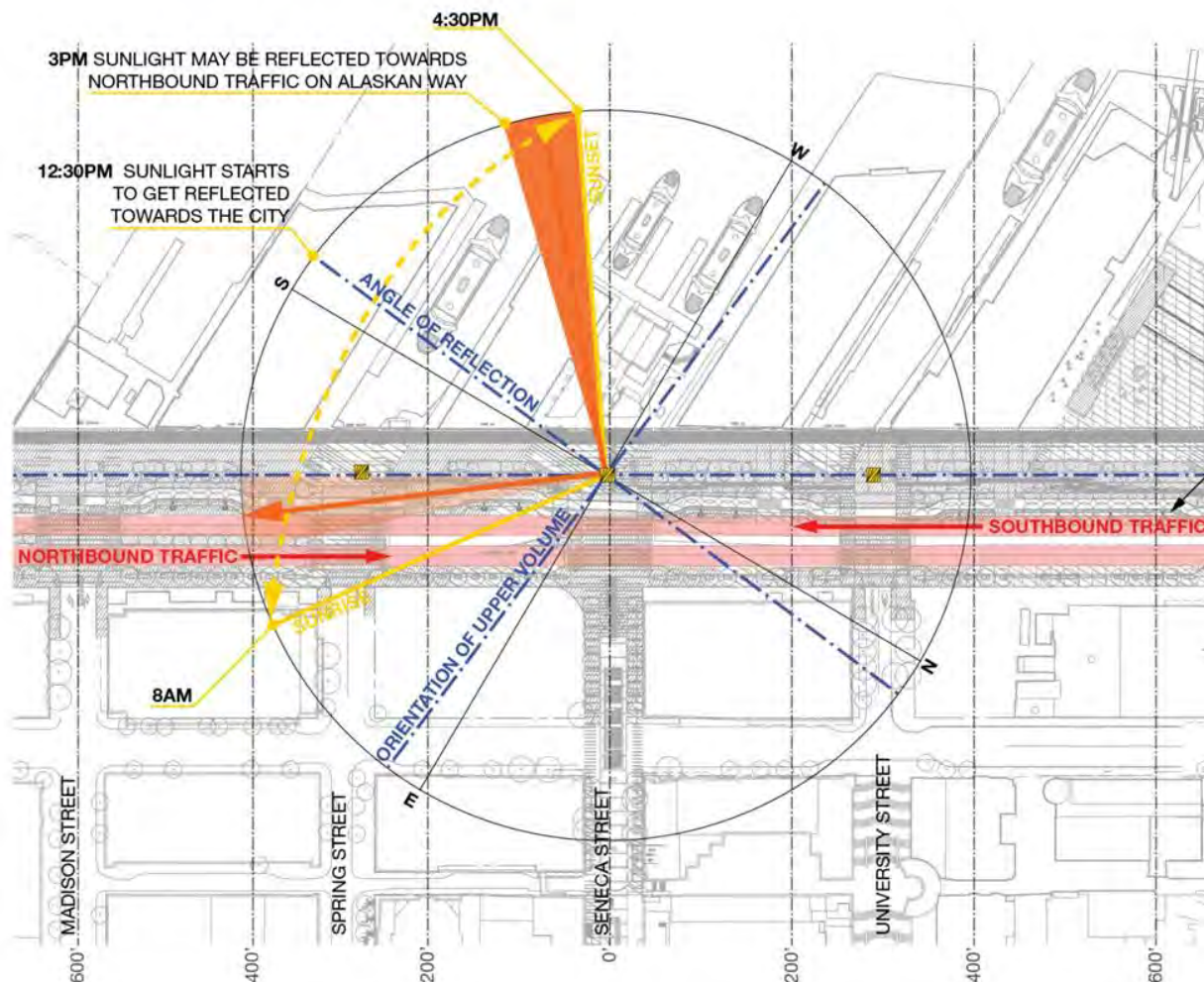
An aerial photograph of the Seattle waterfront, showing the city skyline, the waterfront promenade, and the water. The Space Needle is visible in the background. A large pink title is overlaid on the image.

## 6. REFLECTIVITY AND GLARE

**WATERFRONT SEATTLE KIOSKS**  
nARCHITECTS

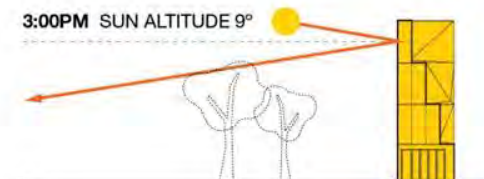
**30% DESIGN (100% SD)**  
October 16, 2014





### CONCLUSION:

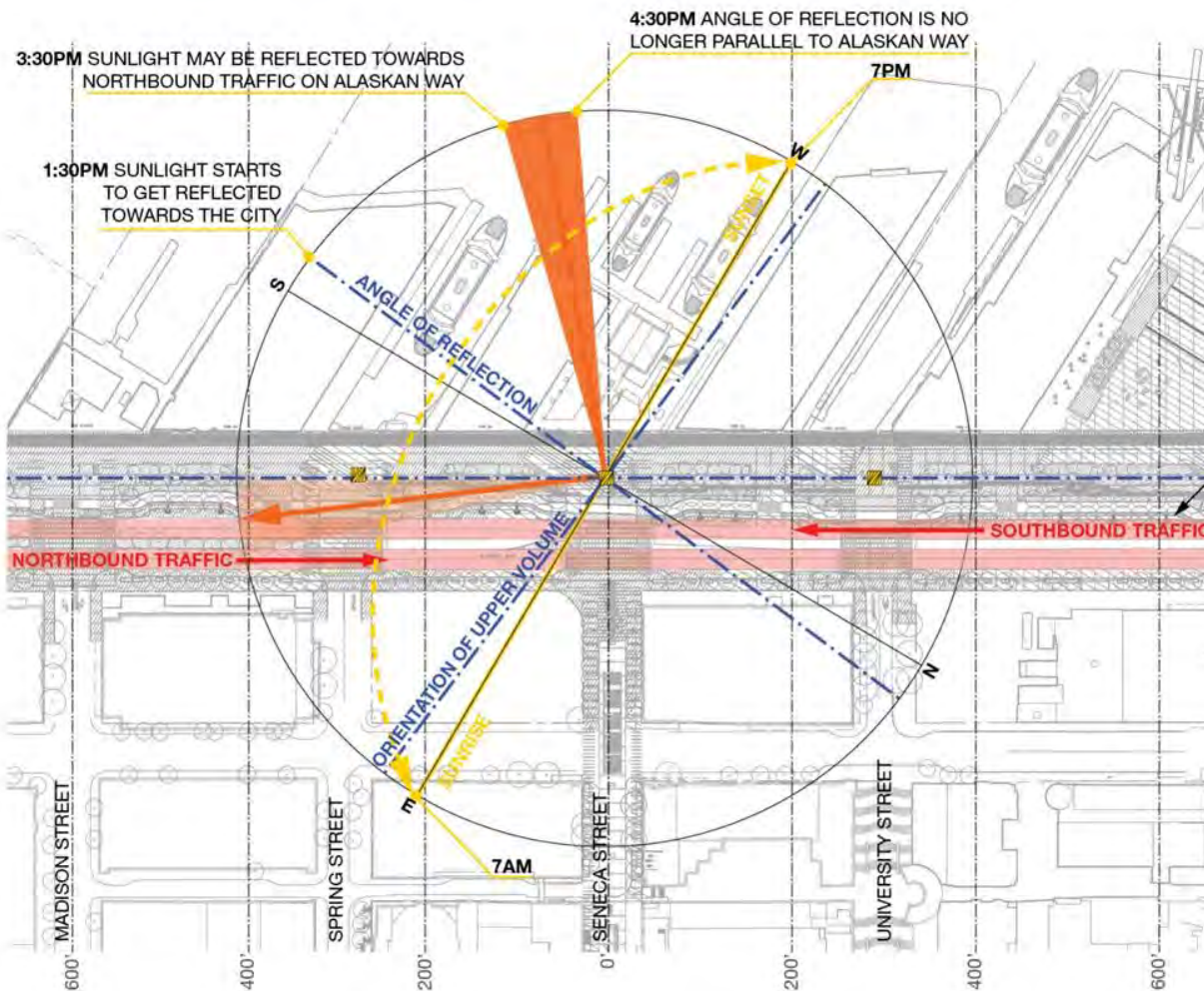
During the winter, sunlight can be reflected towards northbound traffic between 3pm and 4:30pm. However, at that time, the sun is very low on the horizon and most likely will be blocked by topography, buildings or clouds - risk of glare will be minimal.









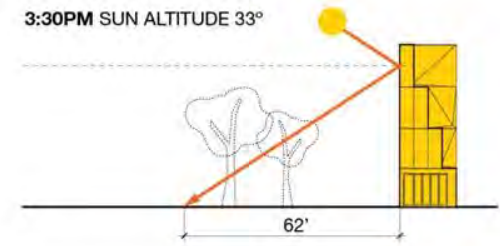


### CONCLUSION:

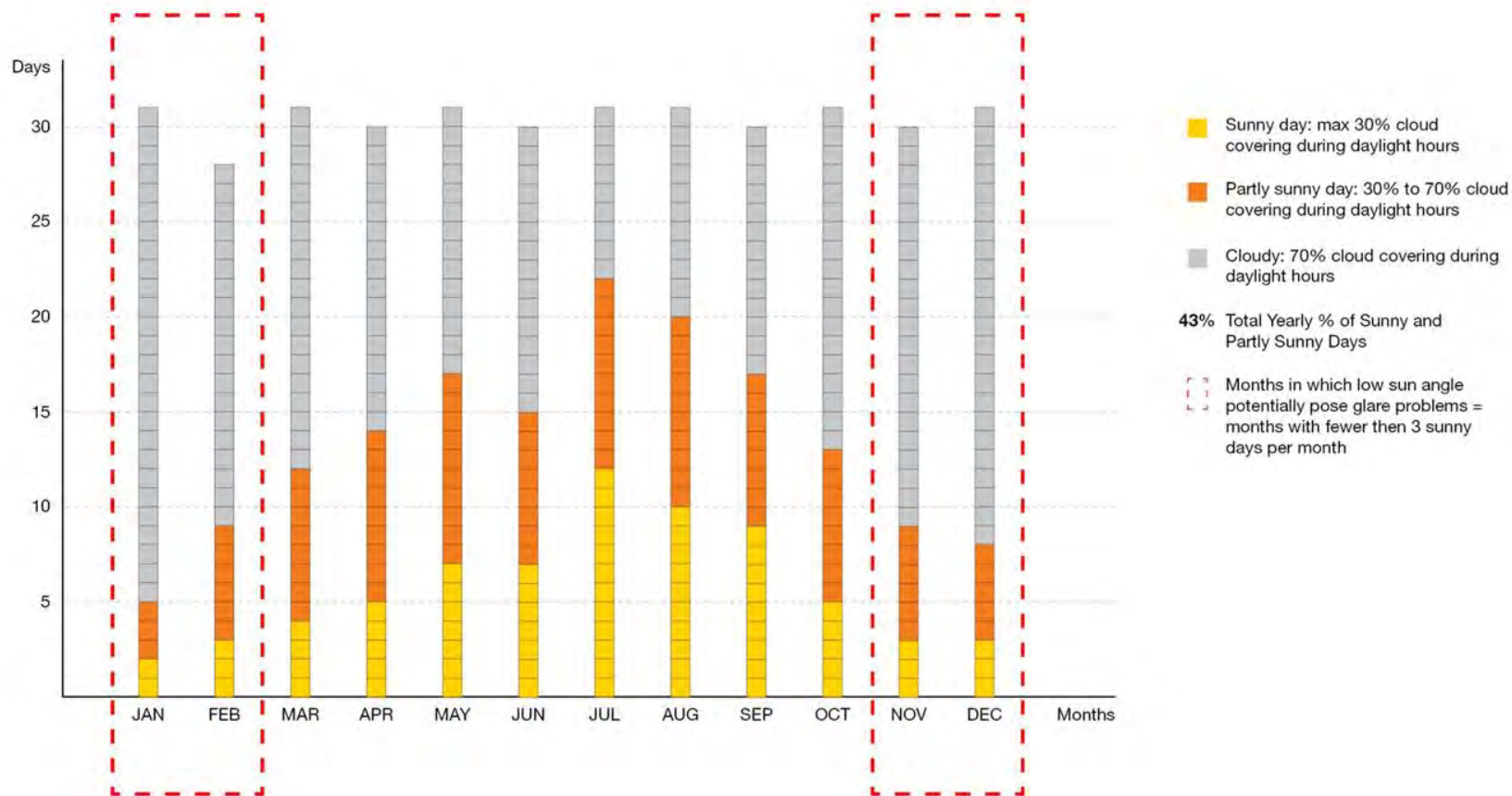
During the fall and spring, sunlight can be reflected towards northbound traffic between 3:30pm and 4:30pm. However, at that time, the sun is high and the reflected light will shine down at an angle of  $33^\circ$  from the ground. Northbound traffic may be affected by the reflected light when within 60' of the kiosk. At this distance, trees will block most of the light.

SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC

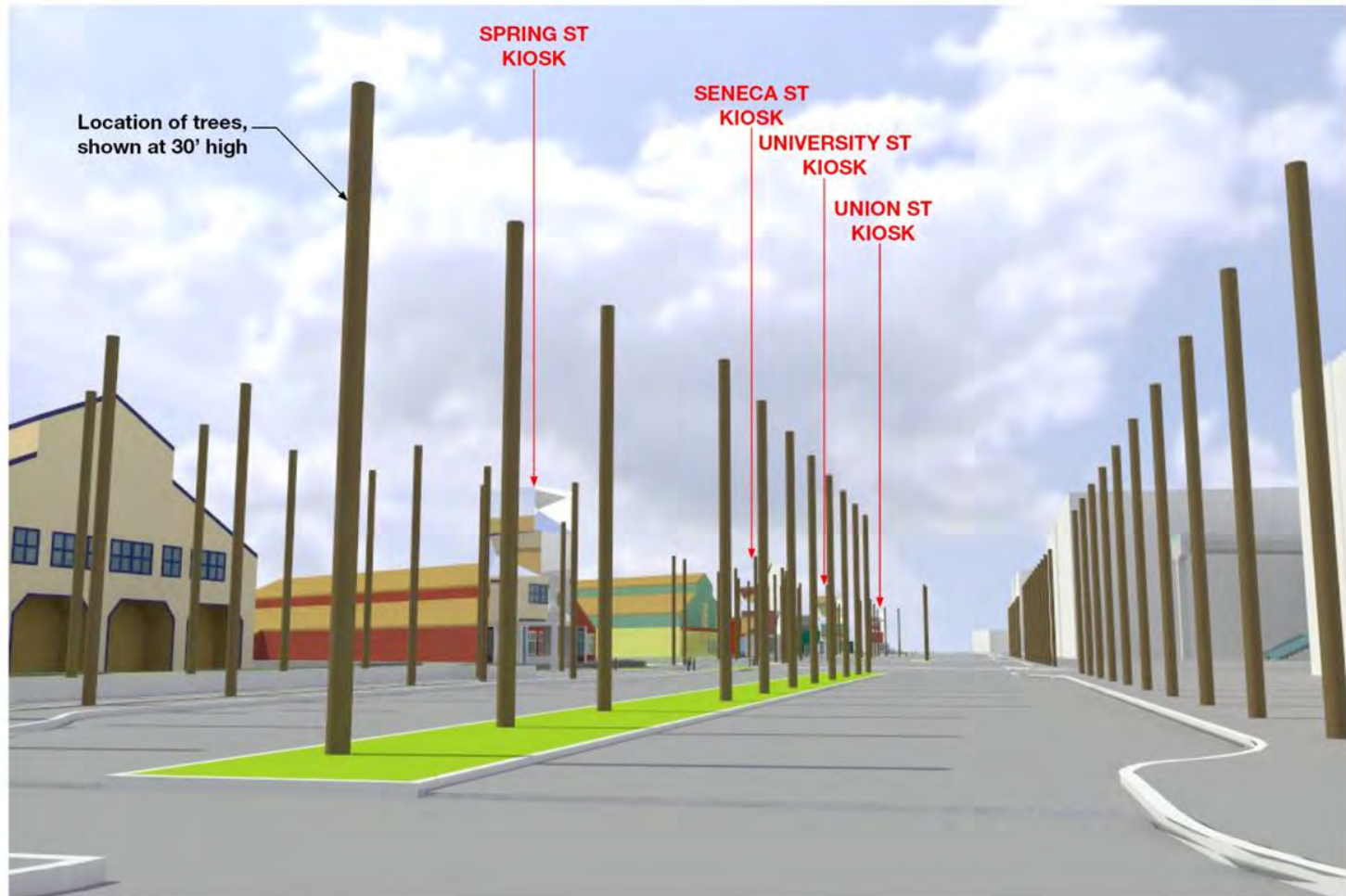
3:30PM SUN ALTITUDE  $33^\circ$



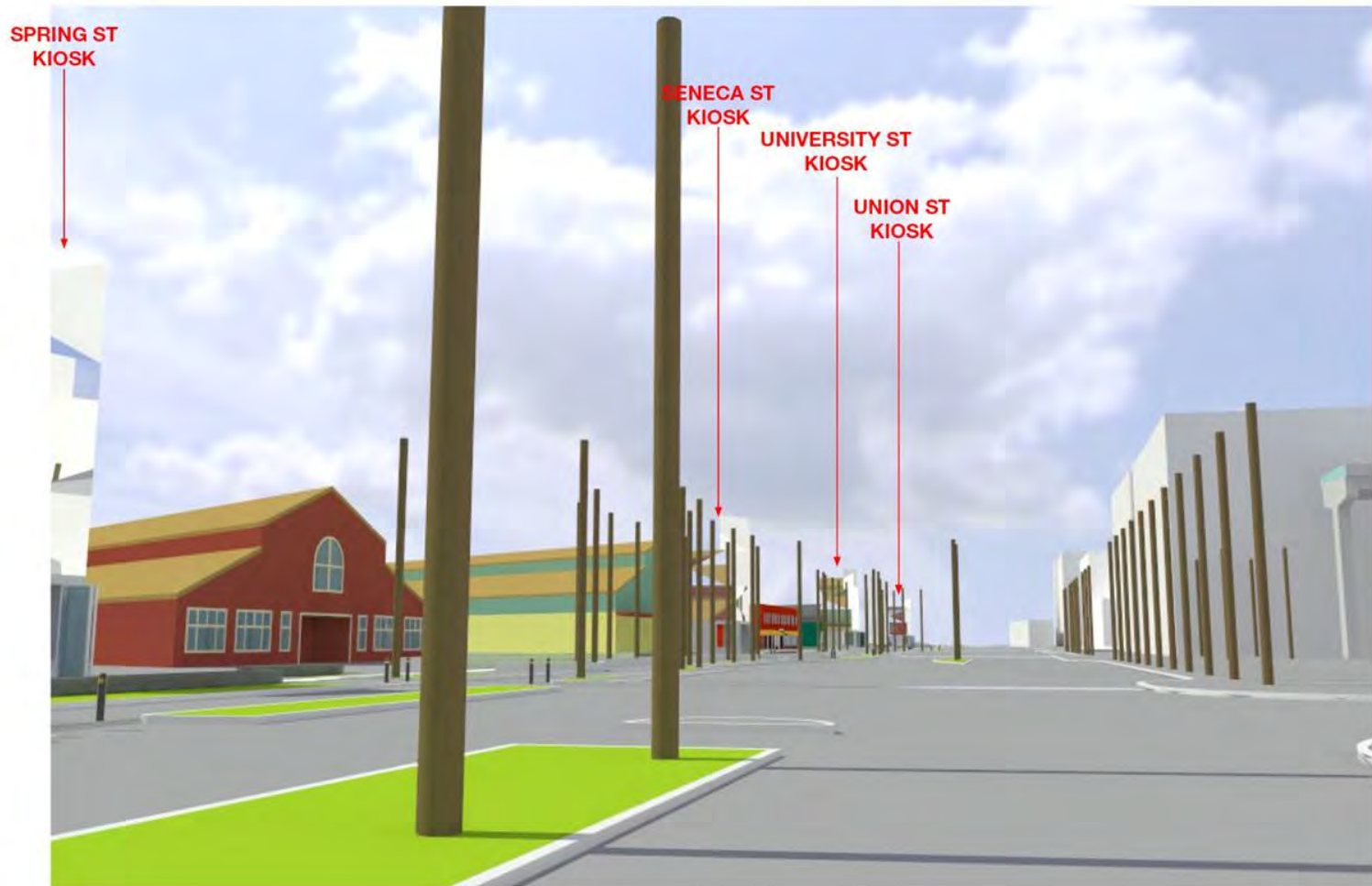




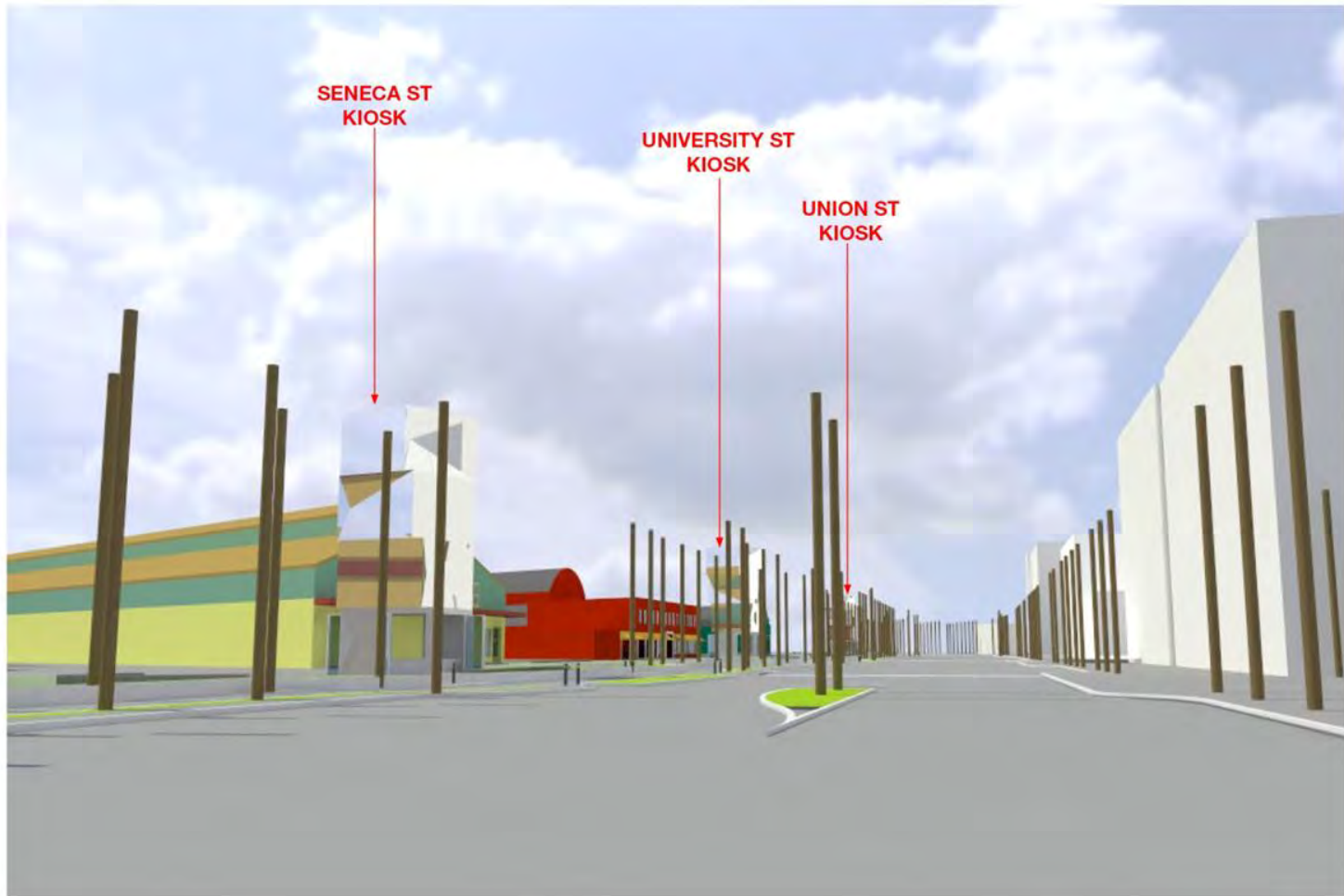


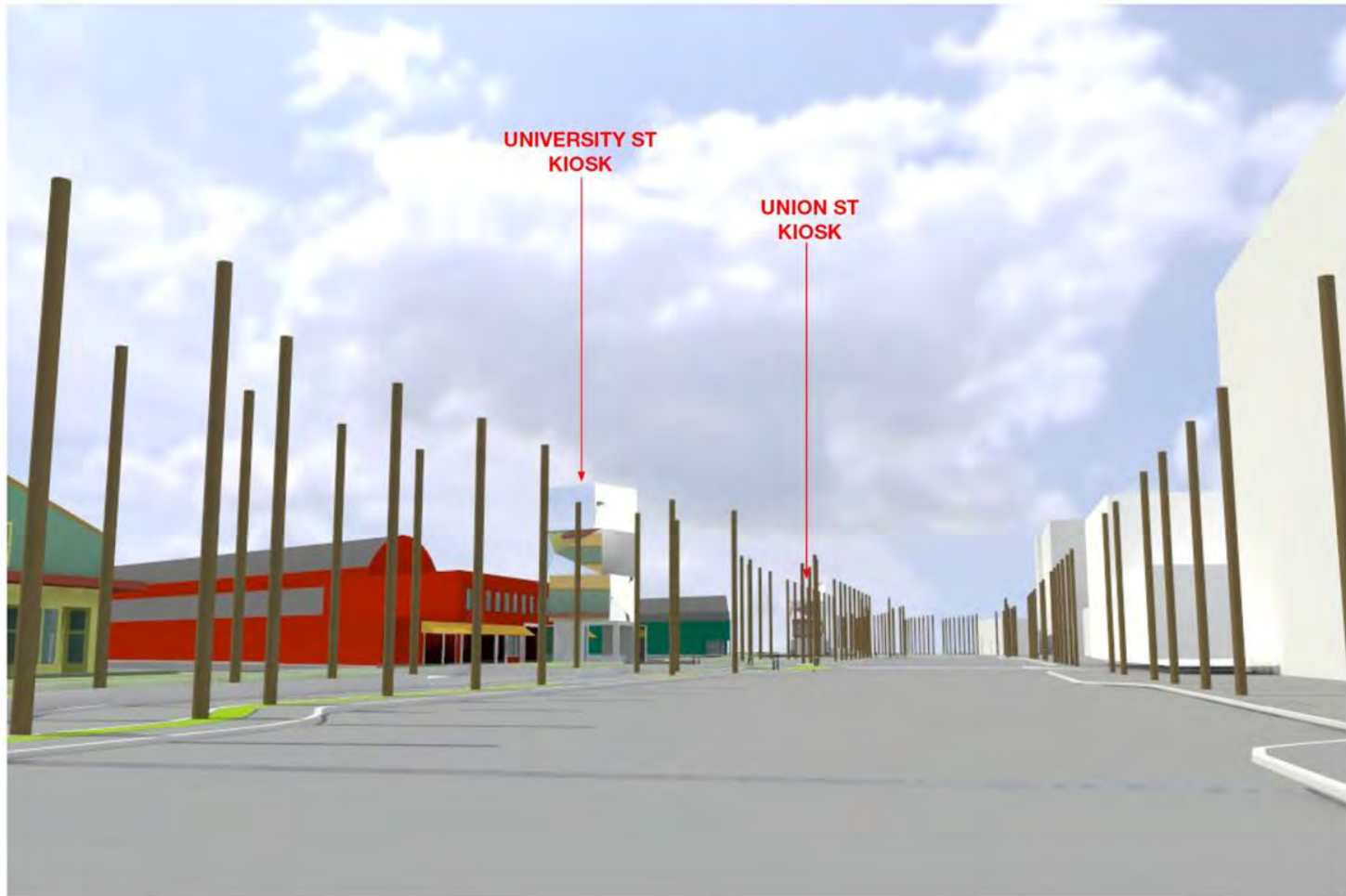




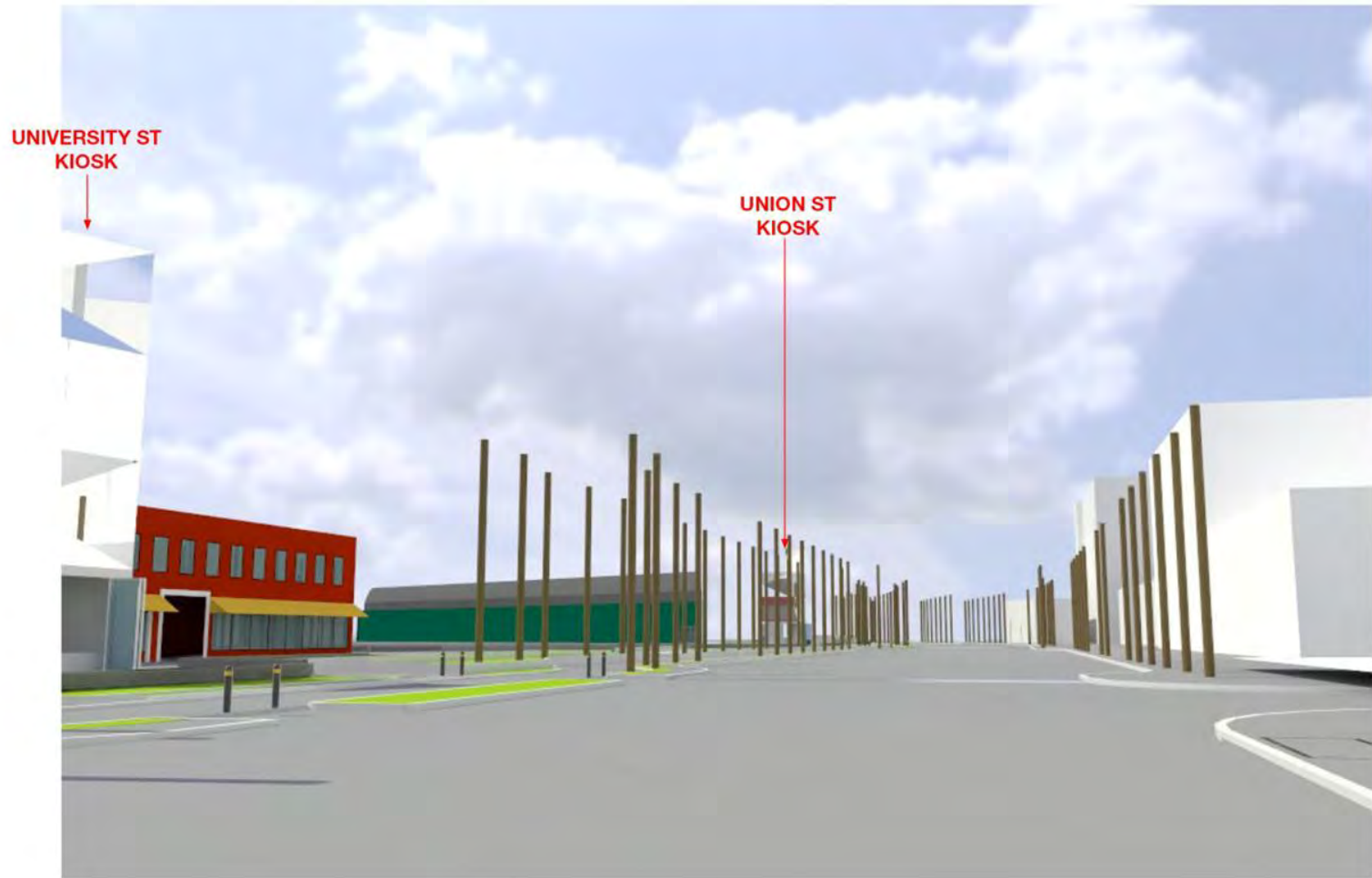












MAIN CORRIDOR SOUTH OF UNION  
**CURRENT SITE PLAN**  
 OCTOBER 2014



- |                        |                         |                  |                        |                   |
|------------------------|-------------------------|------------------|------------------------|-------------------|
| 1 RAILROAD WAY         | 4 TRANSIT HUB           | 7 FIREHOUSE SLIP | 10 SOCIAL INTERSECTION | 13 AQUARIUM PLAZA |
| 2 PIONEER SQUARE       | 5 COLUMBIA STREET       | 8 HISTORIC PIERS | 11 WATERFRONT PARK     |                   |
| 3 PIONEER SQUARE BEACH | 6 MARION ST. PED BRIDGE | 9 SENECA STREET  | 12 UNION STREET        |                   |

0' 50' 100' 200' N



**END**