MAIN CORRIDOR SOUTH OF UNION

SEATTLE DESIGN COMMISSION
OCTOBER 16TH, 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:

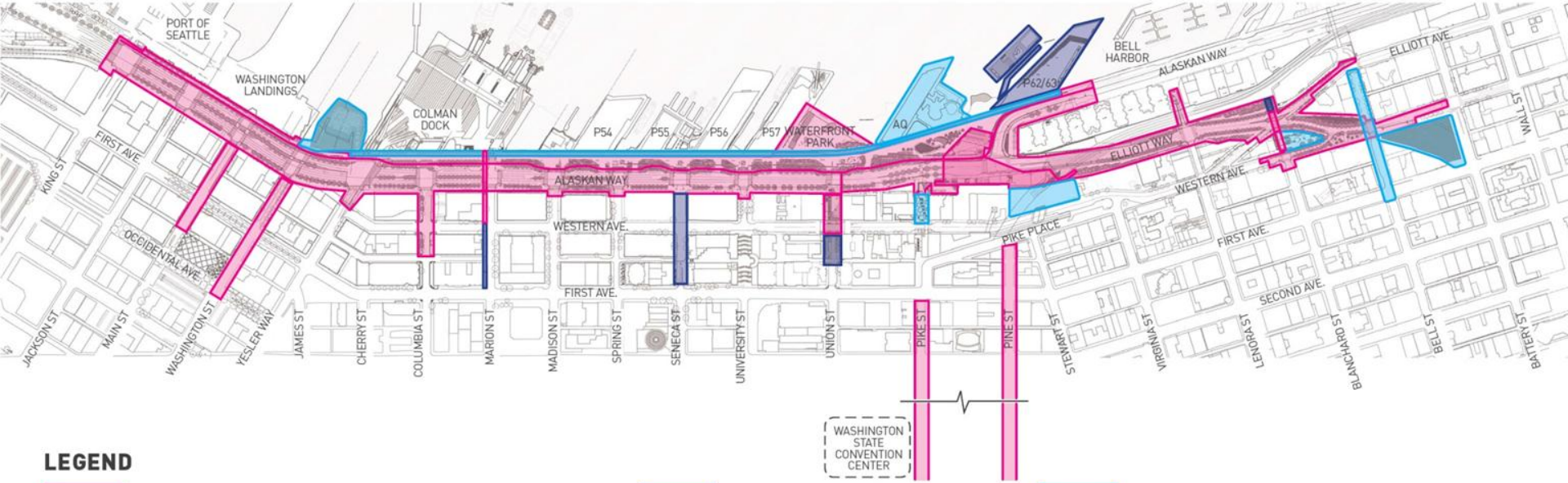
- Approach to Sustainability
- Approach to Tribal + Cultural Engagement
- Approach to Wayfinding
- Approach to ADA (Universal Access)
- Update on Public Art

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

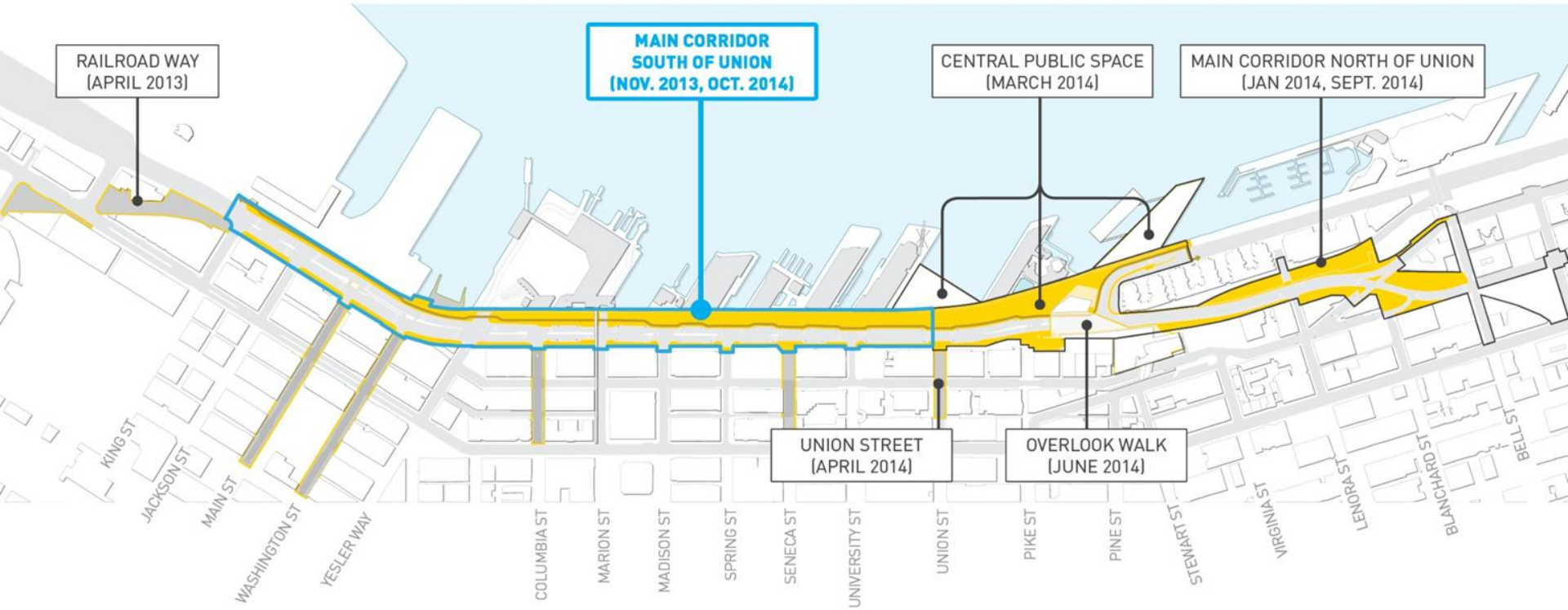
RELATED PROJECTS

- 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

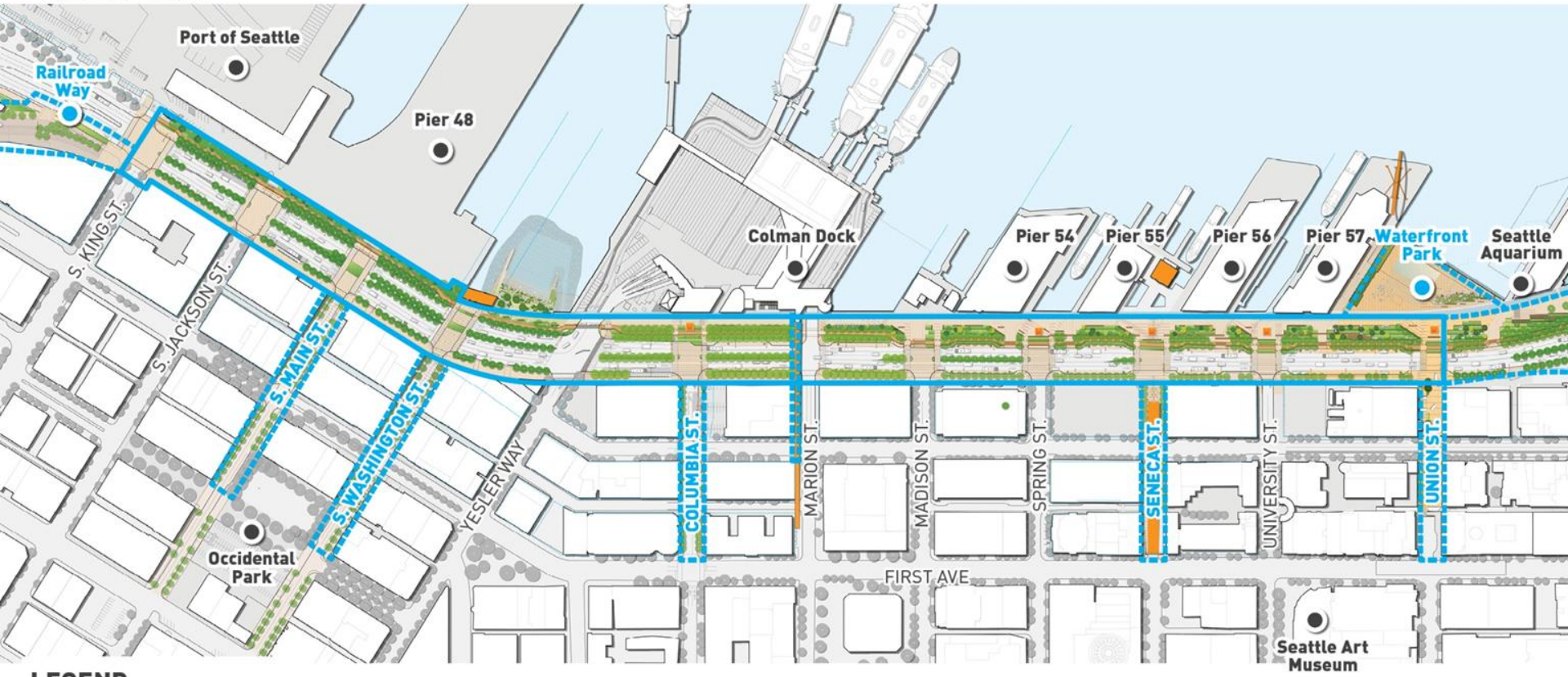
0' 250' 500' 1000' N

MAIN CORRIDOR SOUTH OF UNION
PROJECT LIMITS
EXISTING CONDITIONS
Port of Seattle
Railroad Way
Pier 48
Colman Dock
Pier 54
Pier 55
Pier 56
Pier 57
Waterfront Park
Seattle Aquarium
S. KING ST.
S. JACKSON ST.
S. MAIN ST.
S. WASHINGTON ST.
YESLER WAY
COLUMBIA ST.
MARION ST.
MADISON ST.
SPRING ST.
SENECA ST.
UNIVERSITY ST.
UNION ST.
FIRST AVE
Occidental Park
Seattle Art Museum
LEGEND
MAIN CORRIDOR
CORE PROJECT
0' 150' 300' 600'
N

MAIN CORRIDOR SOUTH OF UNION

SCHEMATIC SITE PLAN

NOVEMBER 2013



LEGEND

MAIN CORRIDOR

CORE PROJECT

0' 150' 300' 600' N

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.

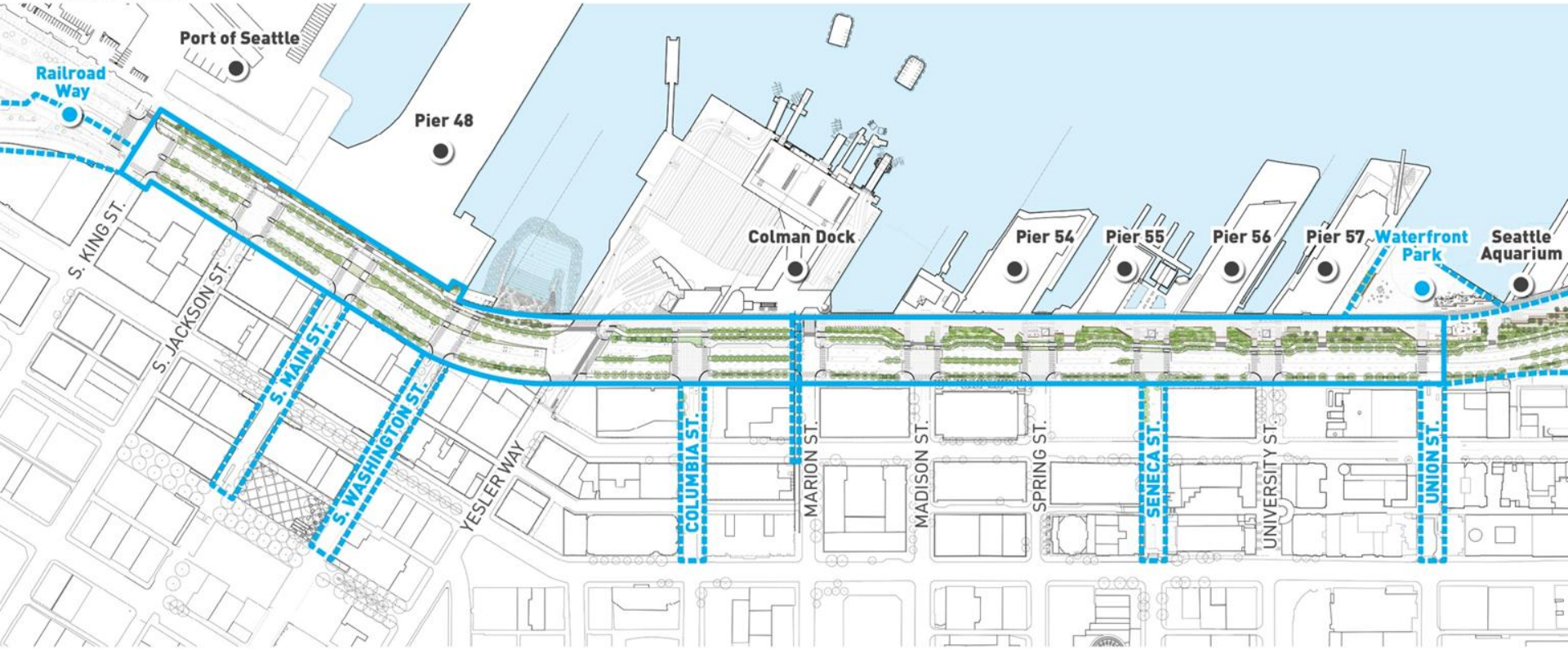
Promenade

- 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

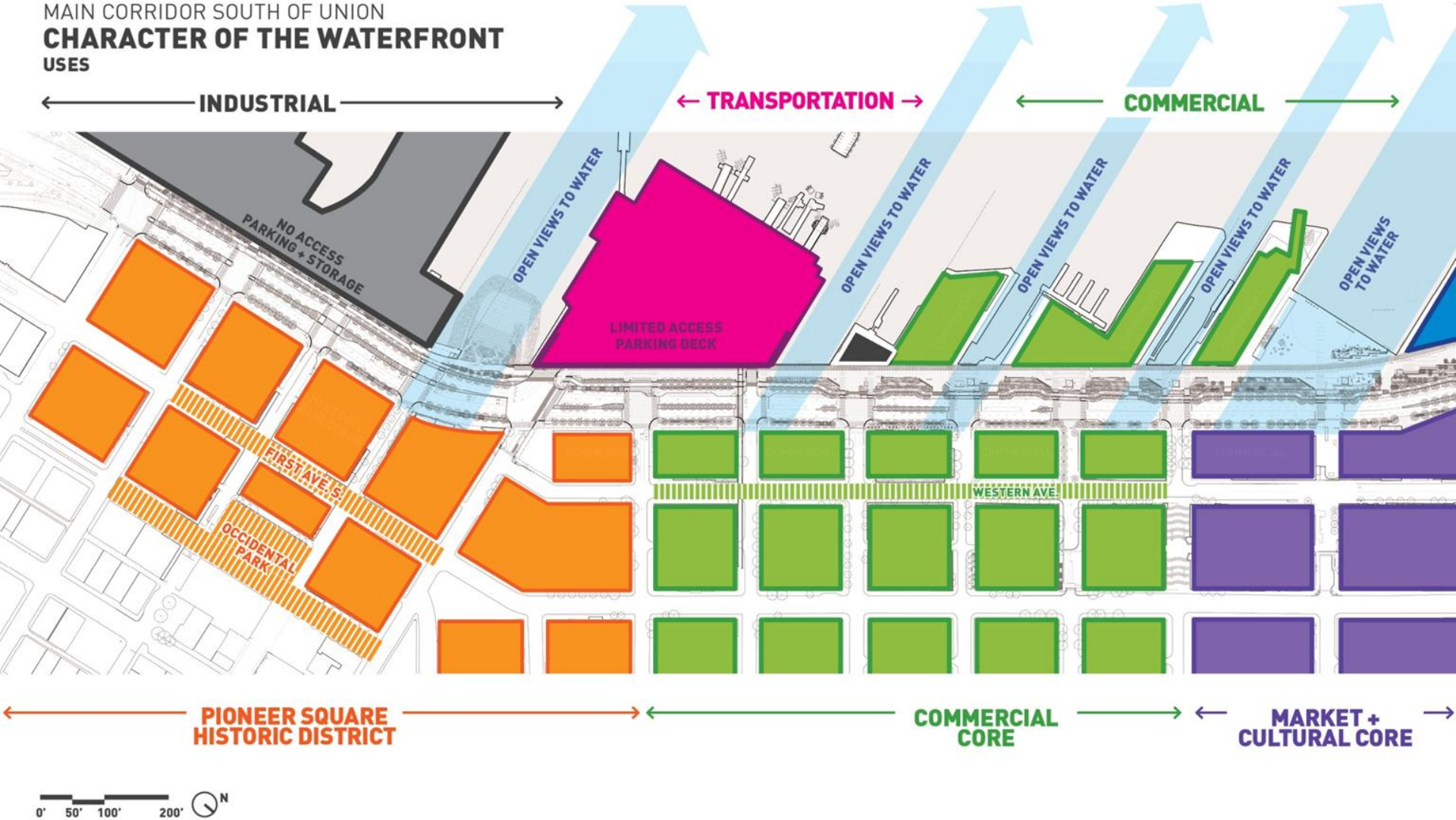
CORE PROJECT

0' 50' 100' 200' N

MAIN CORRIDOR SOUTH OF UNION

CHARACTER OF THE WATERFRONT

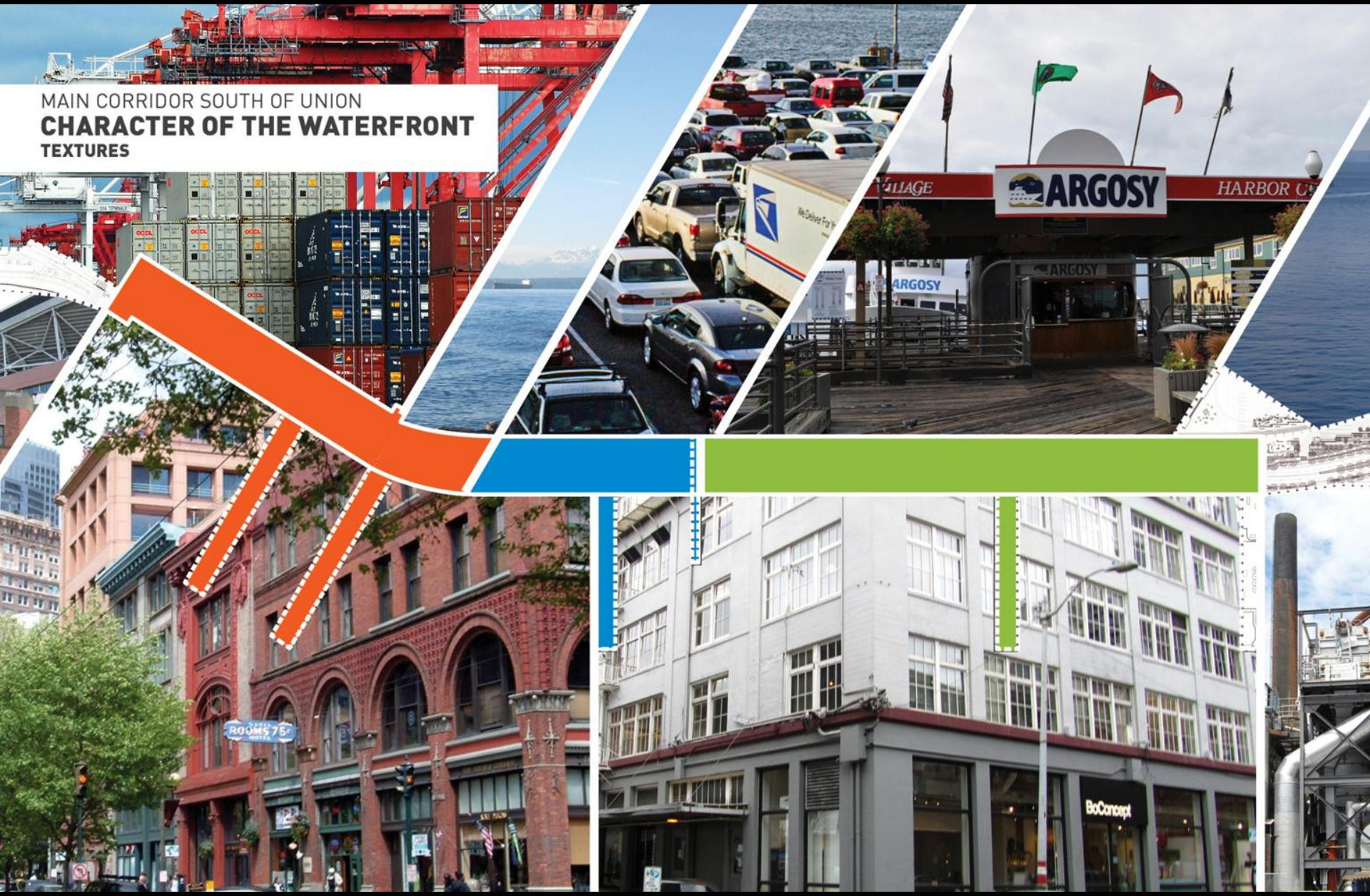
USES



MAIN CORRIDOR SOUTH OF UNION

CHARACTER OF THE WATERFRONT

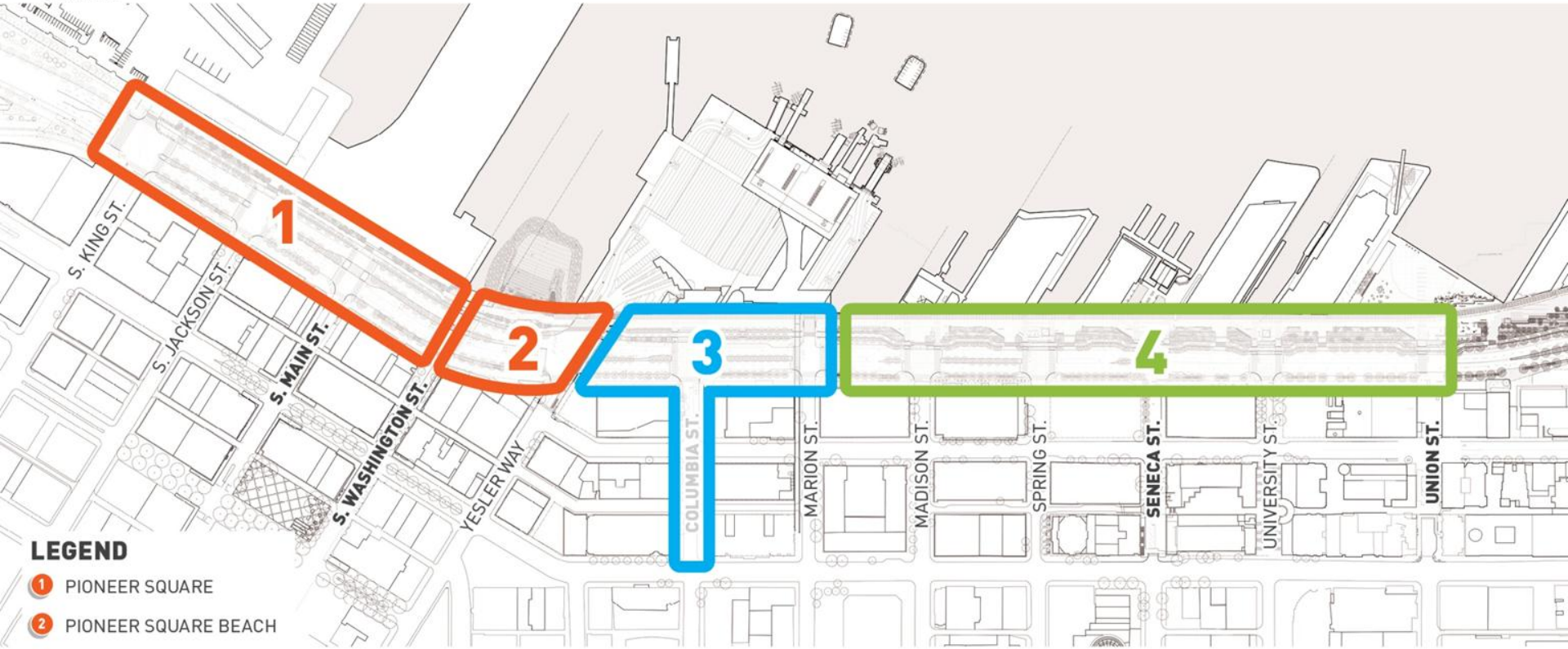
TEXTURES



MAIN CORRIDOR SOUTH OF UNION

60% DESIGN UPDATE

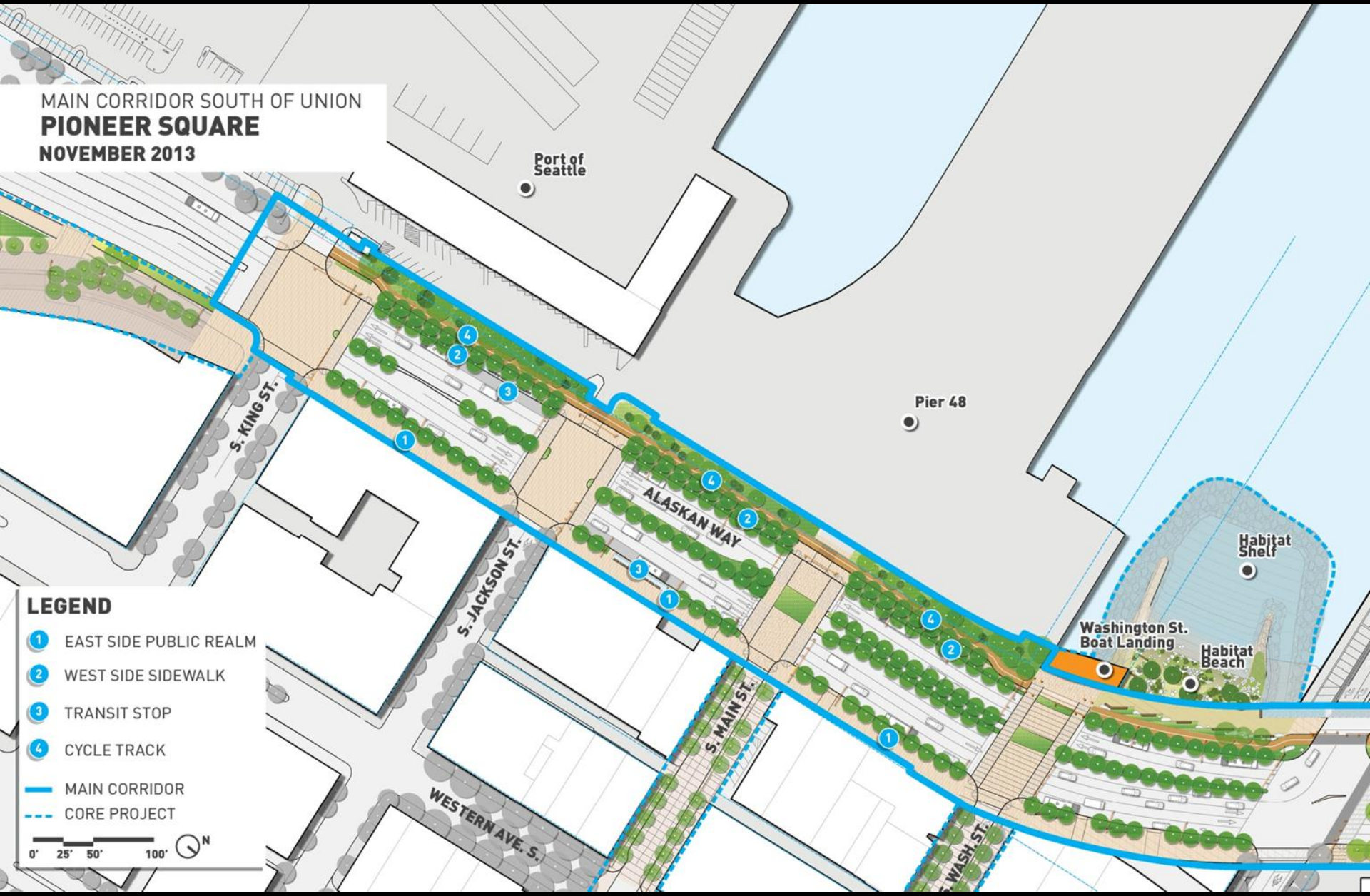
PLACES

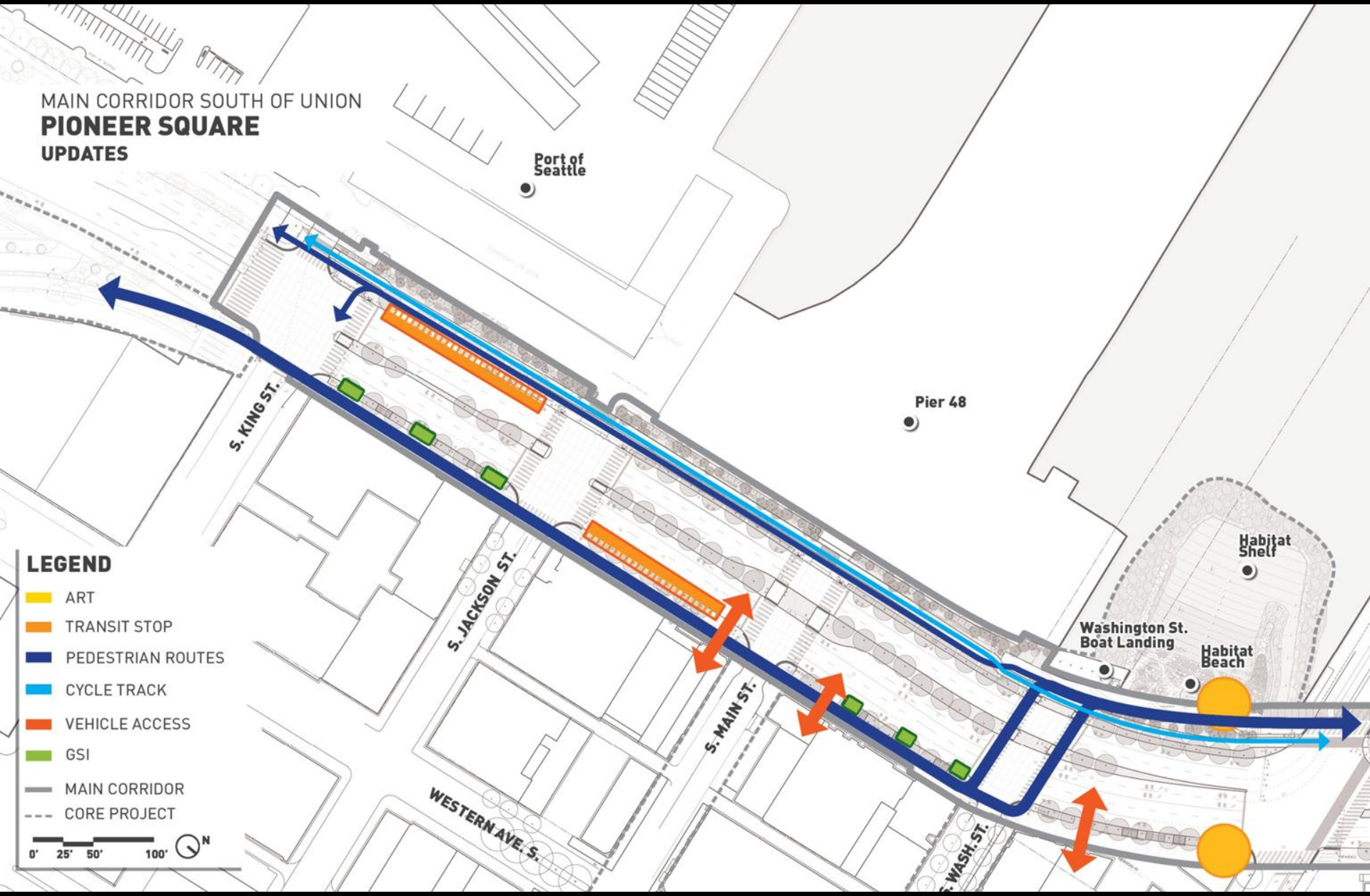


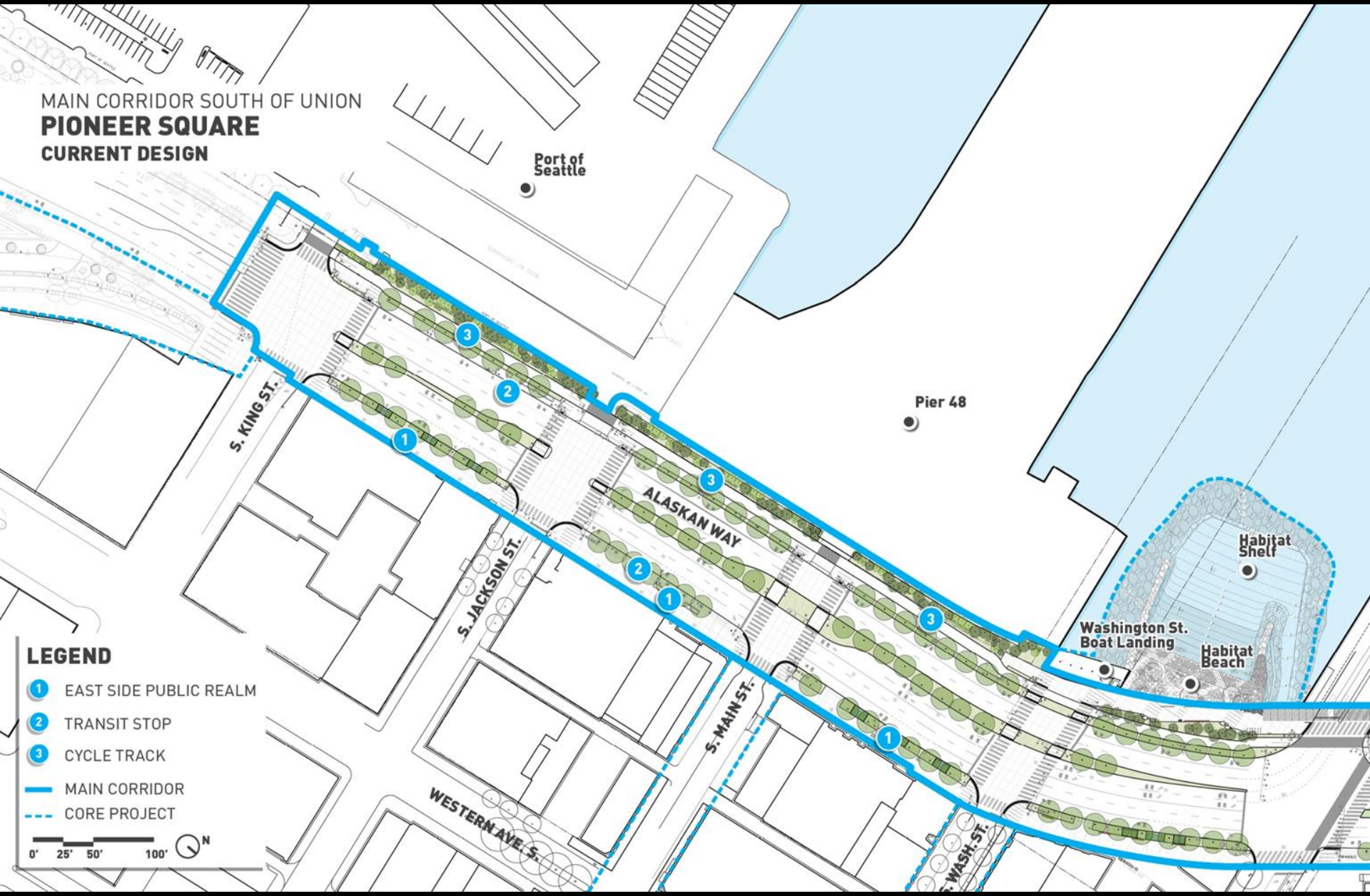
LEGEND

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

0' 50' 100' 200' N


MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE
NOVEMBER 2013
Port of Seattle
Pier 48
Habitat Shelf
Washington St. Boat Landing
Habitat Beach
S. KING ST.
S. JACKSON ST.
ALASKAN WAY
S. MAIN ST.
WESTERN AVE. S.
S. WASH. ST.
LEGEND
1 EAST SIDE PUBLIC REALM
2 WEST SIDE SIDEWALK
3 TRANSIT STOP
4 CYCLE TRACK
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N

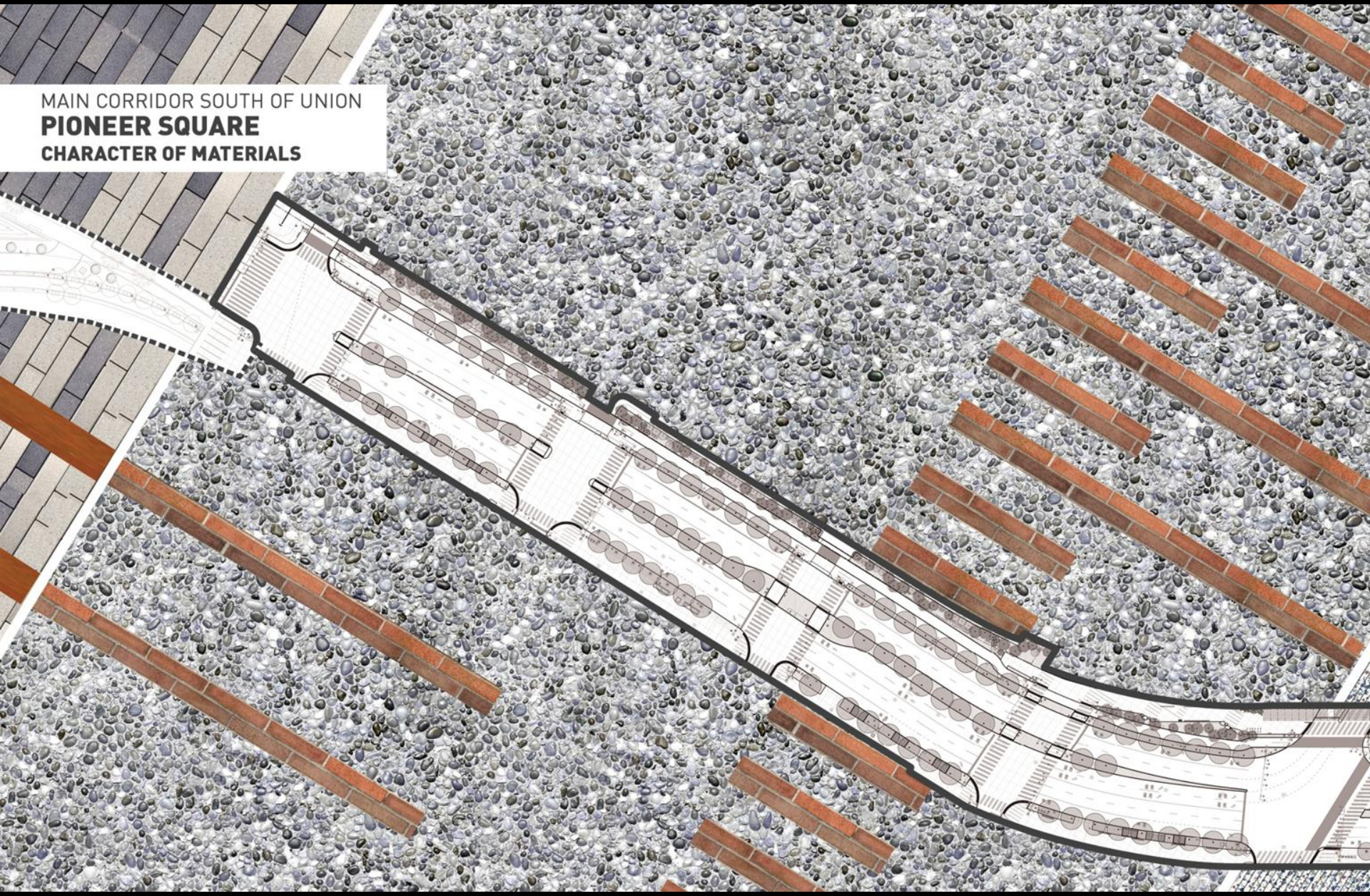

MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE
UPDATES
Port of Seattle
Pier 48
Habitat Shelf
Washington St. Boat Landing
Habitat Beach
S. KING ST.
S. JACKSON ST.
S. MAIN ST.
WESTERN AVE. S.
S. WASH. ST.
LEGEND
ART
TRANSIT STOP
PEDESTRIAN ROUTES
CYCLE TRACK
VEHICLE ACCESS
GSI
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N


MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE
CURRENT DESIGN
Port of Seattle
Pier 48
Habitat Shelf
Washington St. Boat Landing
Habitat Beach
S. KING ST.
S. JACKSON ST.
ALASKAN WAY
S. MAIN ST.
WESTERN AVE. S.
S. WASH. ST.
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

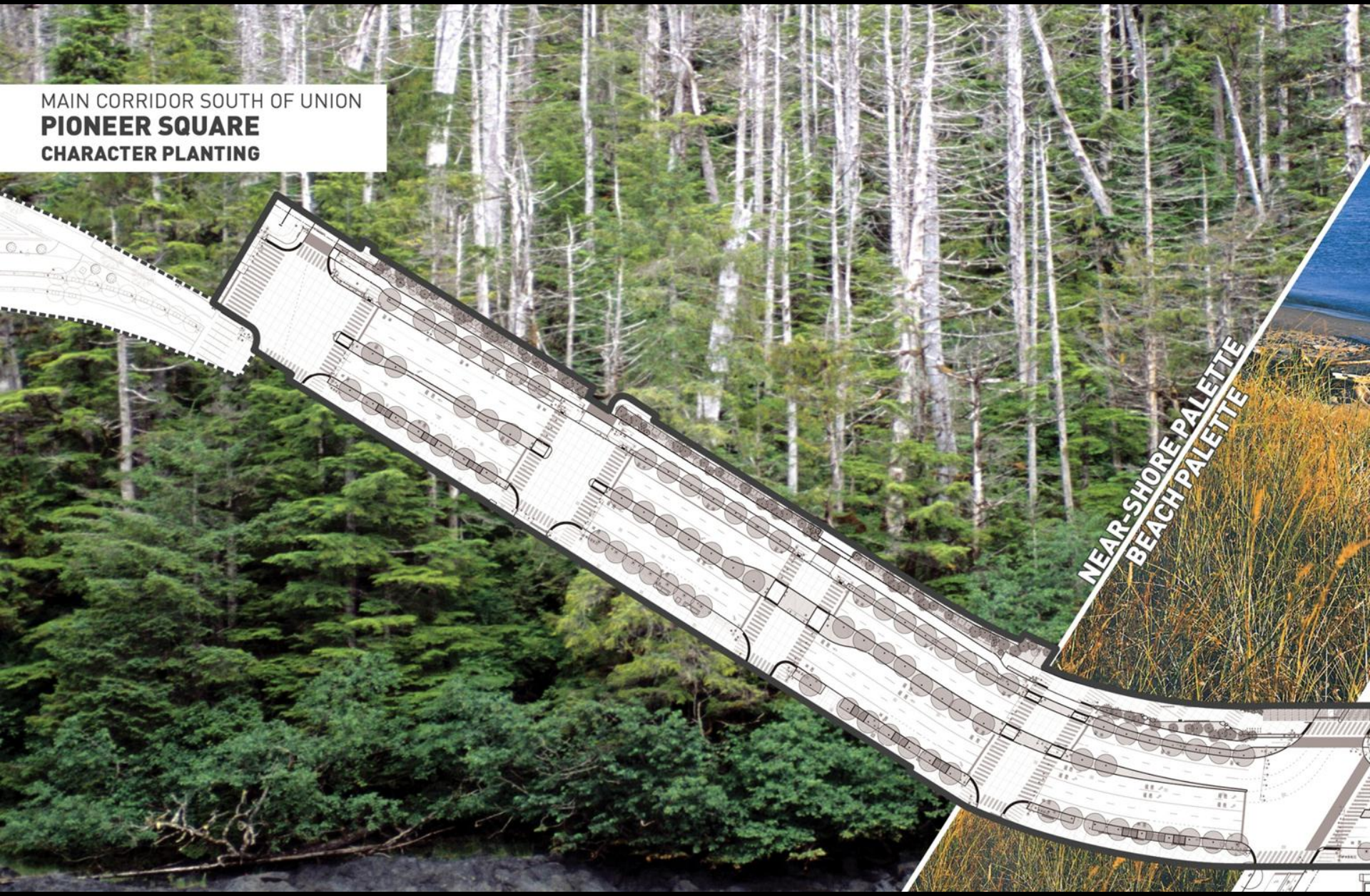
CHARACTER OF MATERIALS



MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE

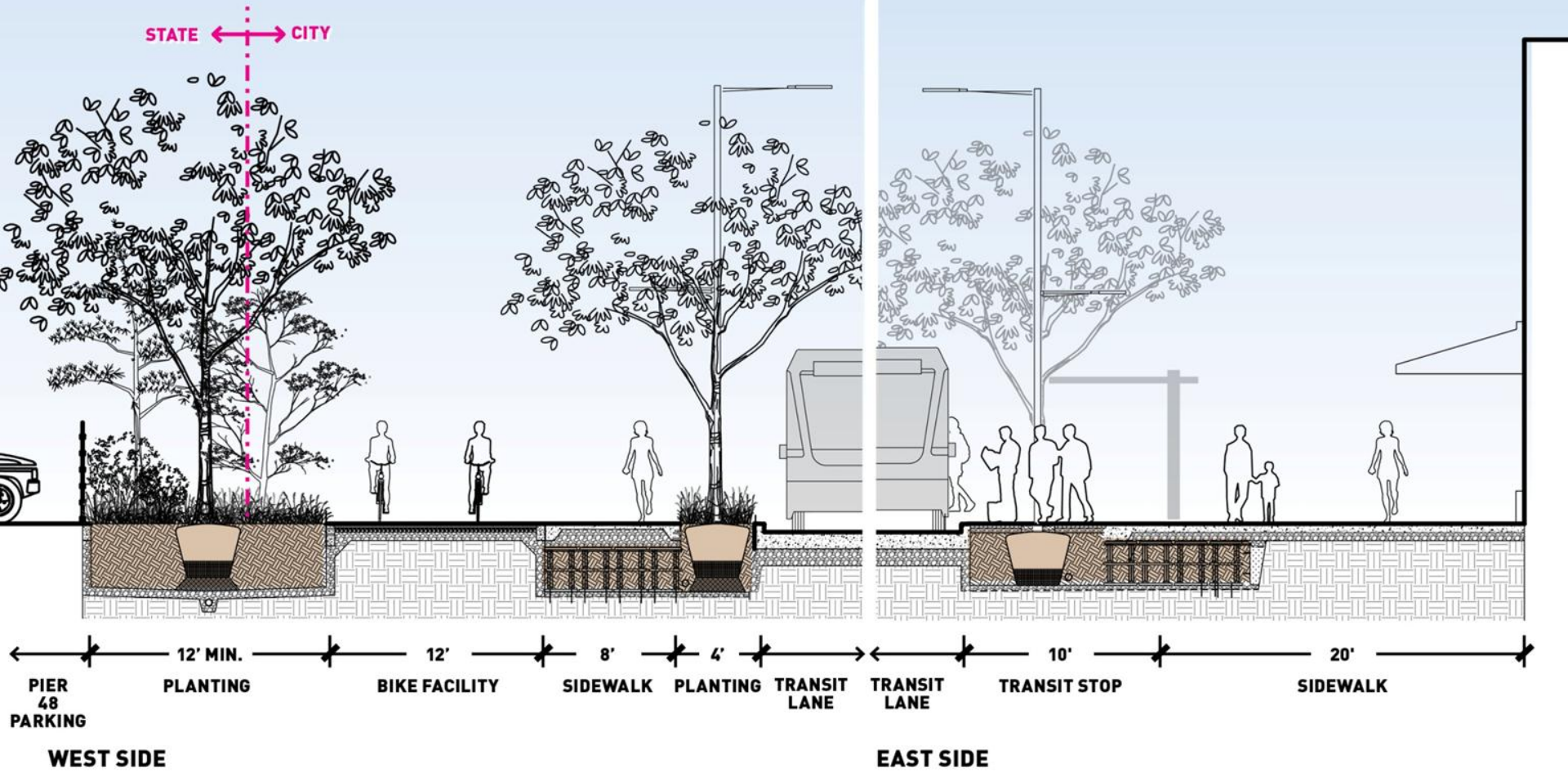
CHARACTER PLANTING

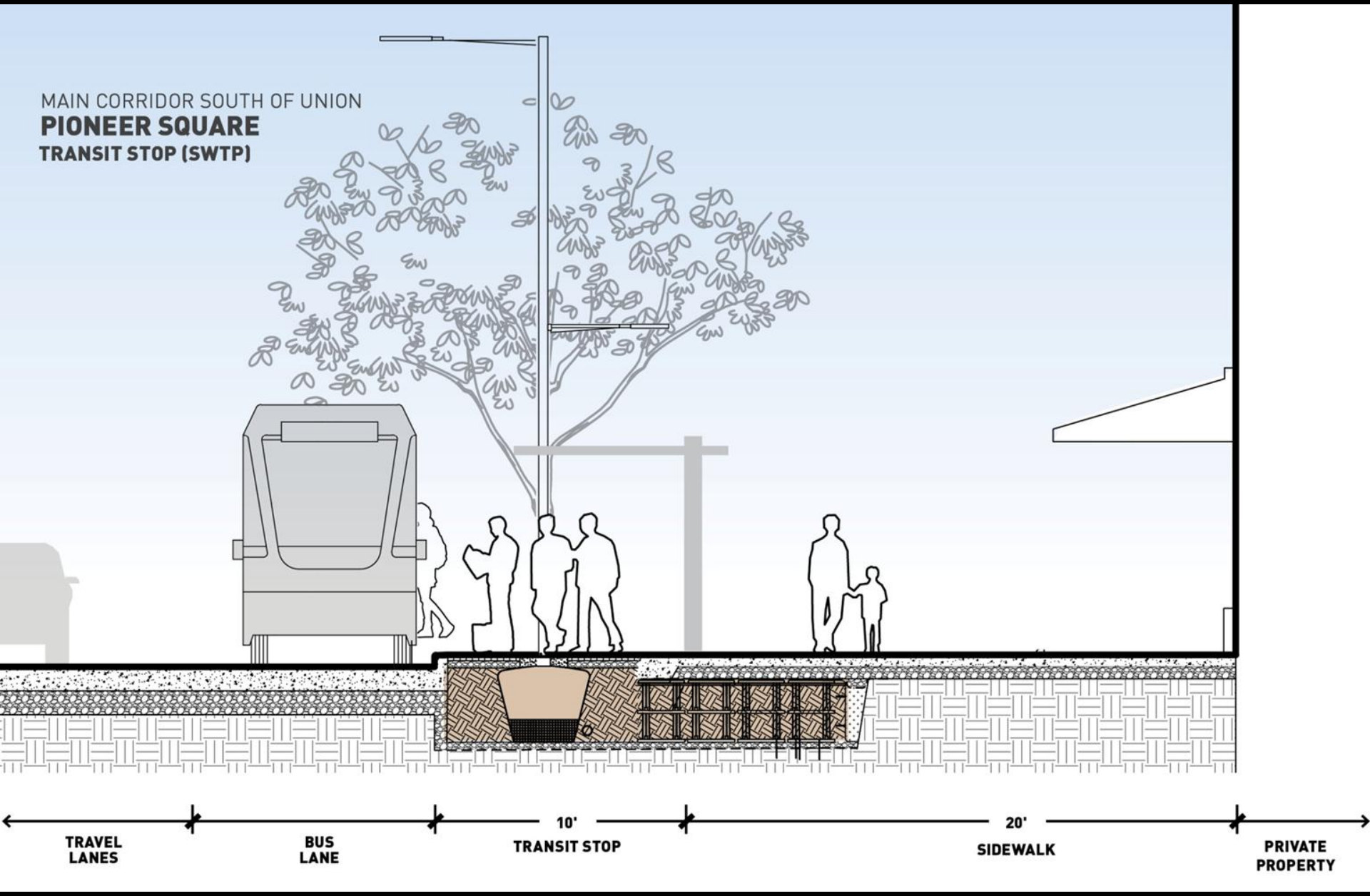


MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE

SECTION BETWEEN JACKSON + MAIN



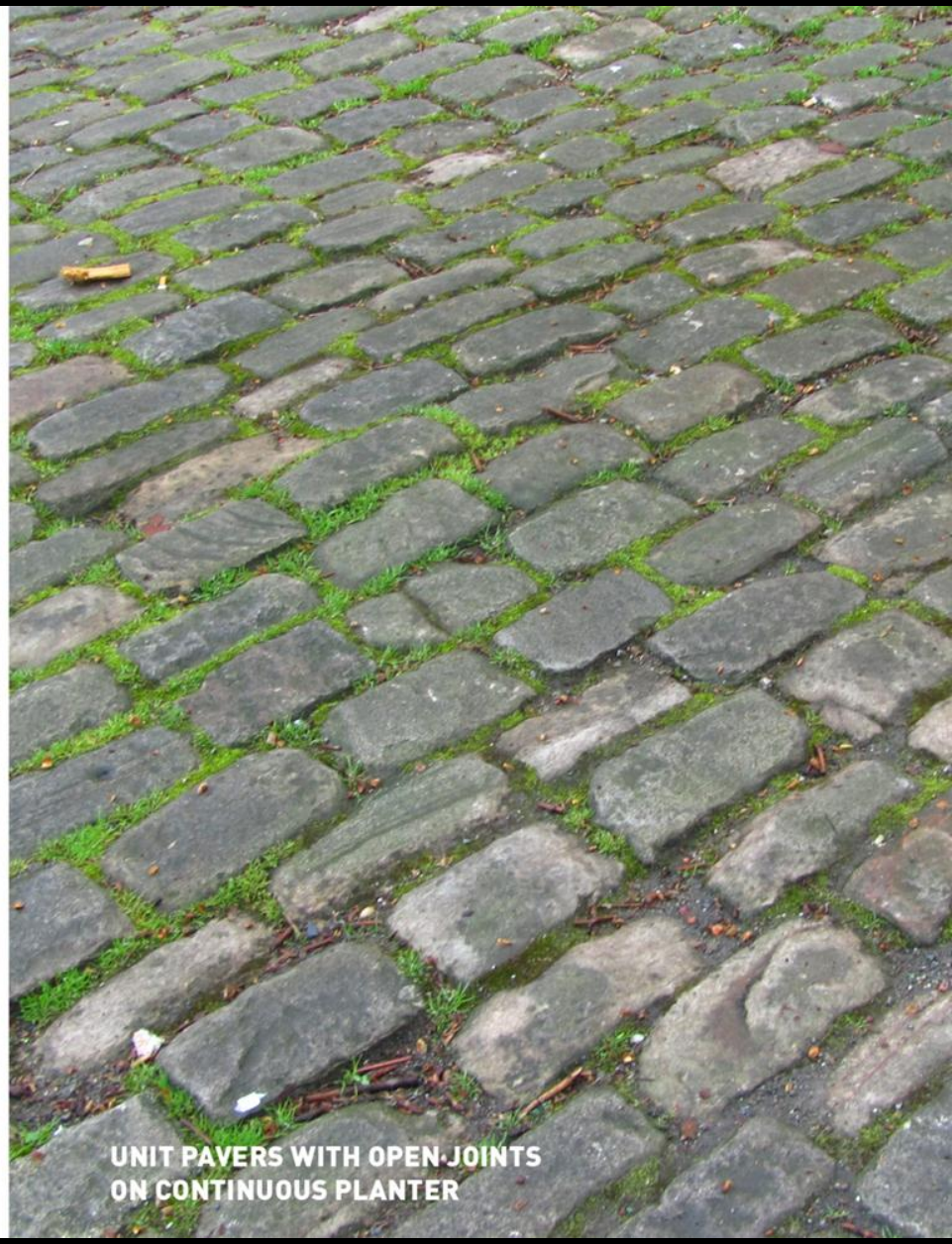

MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE
TRANSIT STOP (SWTP)
TRAVEL LANES
BUS LANE
10'
TRANSIT STOP
20'
SIDEWALK
PRIVATE PROPERTY

MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE

TRANSIT STOP (SWTP)

RAPID RIDE TRANSIT SHELTER

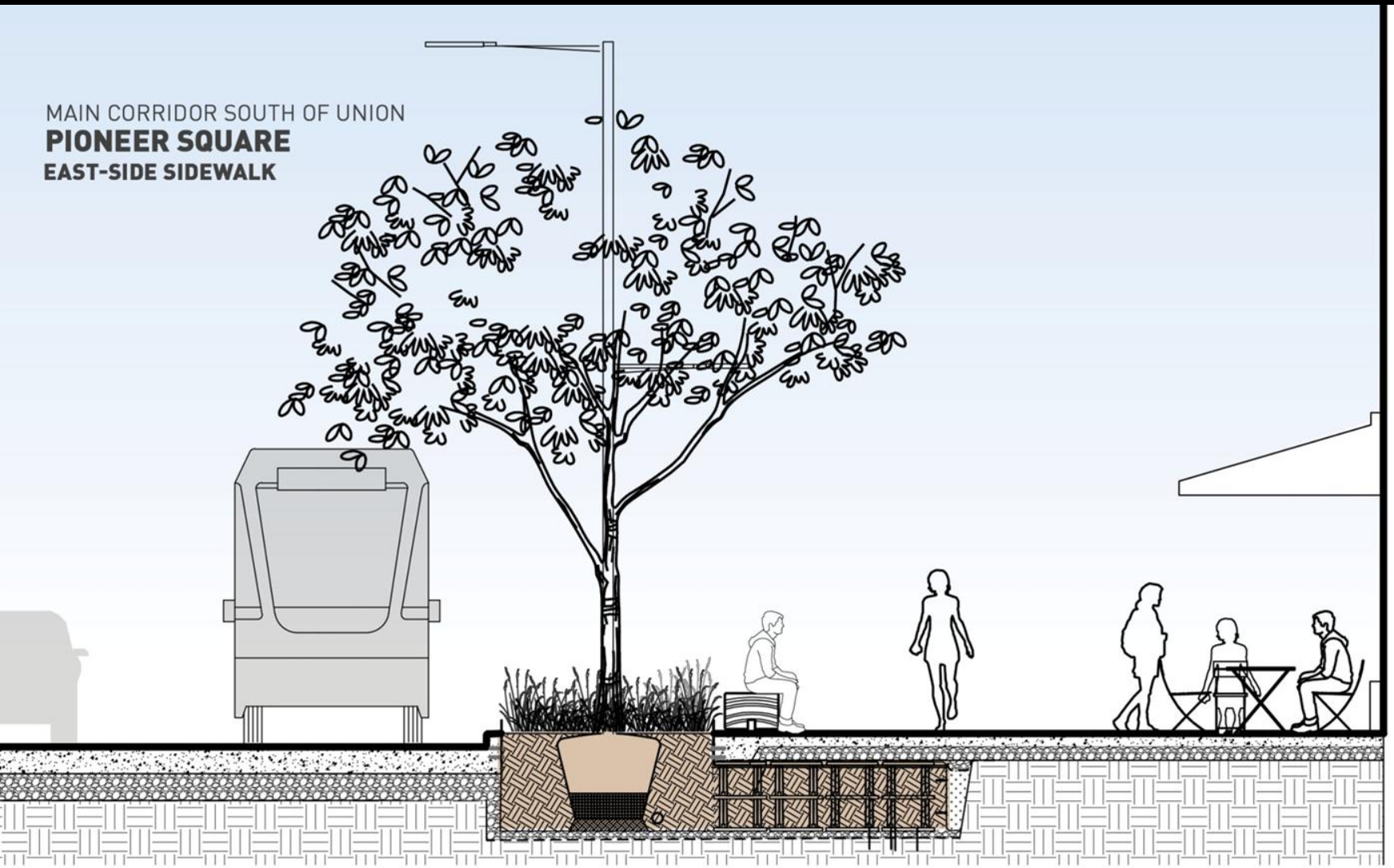


UNIT PAVERS WITH OPEN JOINTS ON CONTINUOUS PLANTER

MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE

EAST-SIDE SIDEWALK

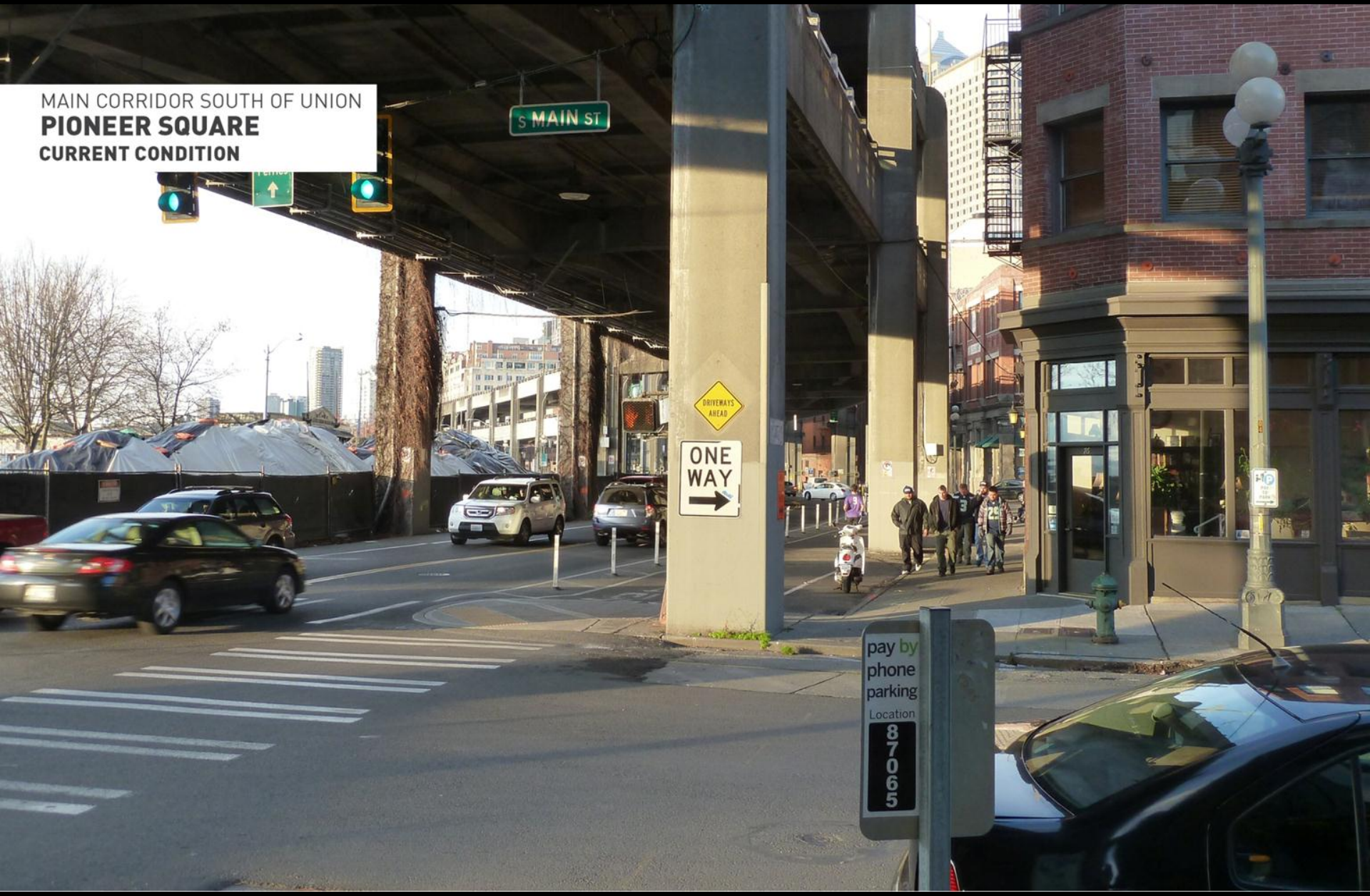


TRAVEL LANES | BUS LANE | 10' PLANTING | 3' SEATING | 20' SIDEWALK + SPILL OUT SPACE | PRIVATE PROPERTY

MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE

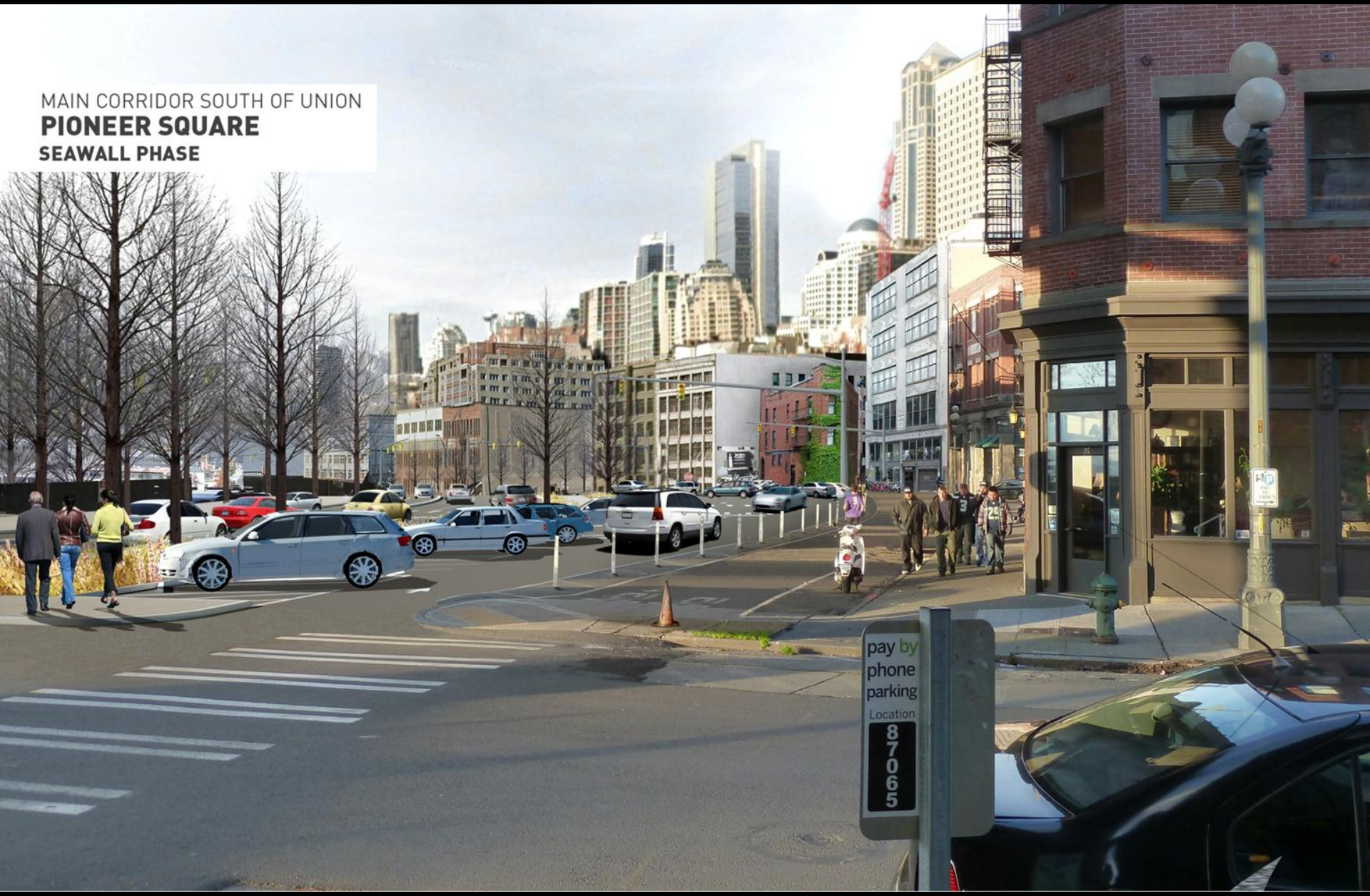
CURRENT CONDITION



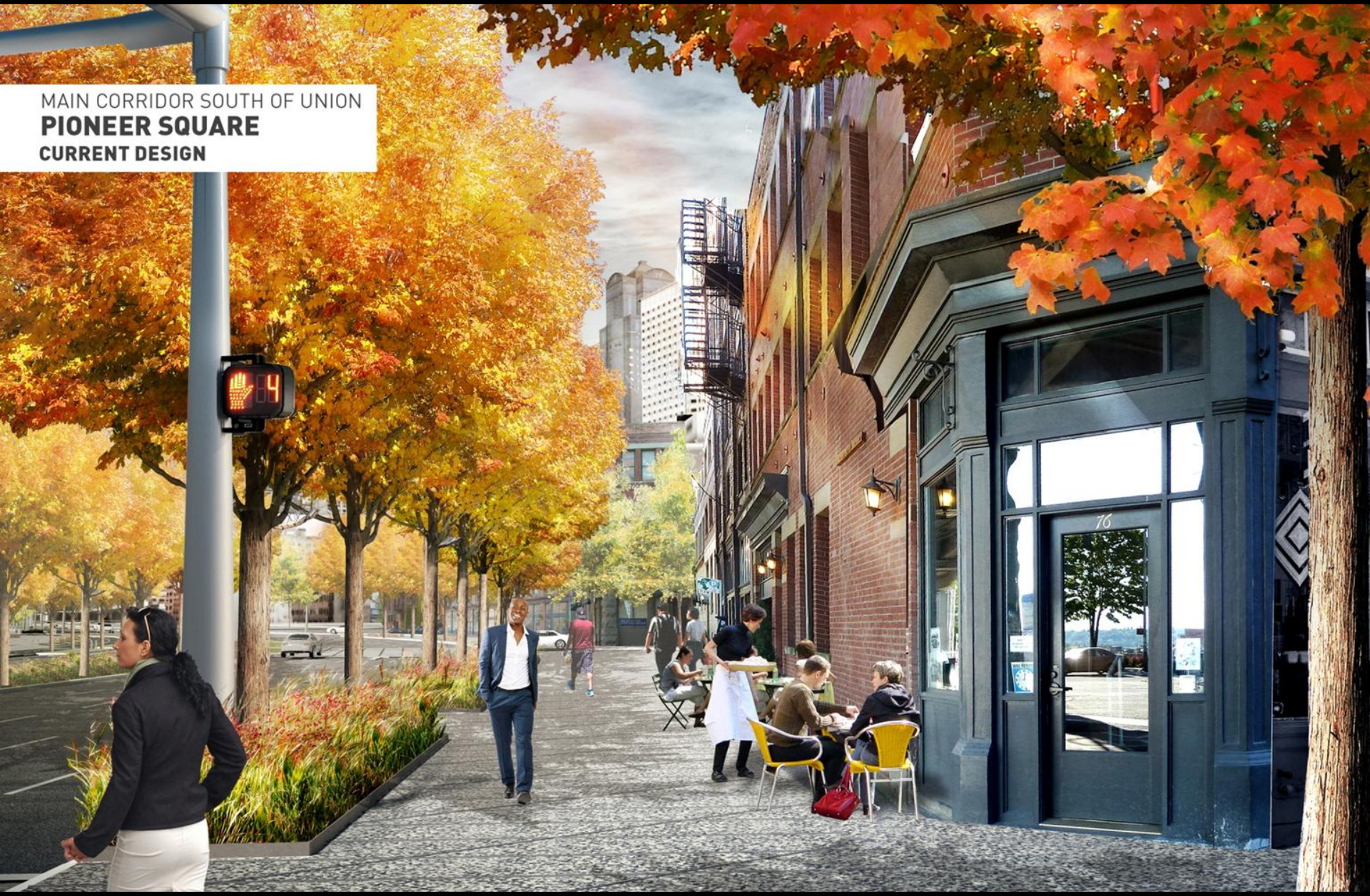
MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE

SEAWALL PHASE



MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE
CURRENT DESIGN


MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE
CURRENT DESIGN
76

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

STREET TREE

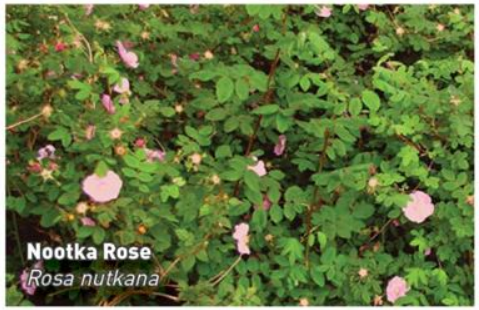
NEAR-SHORE TREES

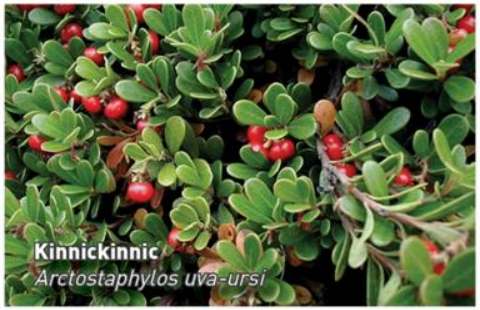
Vine Maple
Acer circinatum

Snowberry
Symphoricarpos albus

Salal
Gaultheria shallon

Yarrow
Achillea millefolium


Nootka Rose
Rosa nutkana


Kinnickinnic
Arctostaphylos uva-ursi

Equisetum Sp.
Equisetum hyemale, telmatia

Silk Tassle Bush
Garrya elliptica

Pacific Madrone
Arbutus menziesii

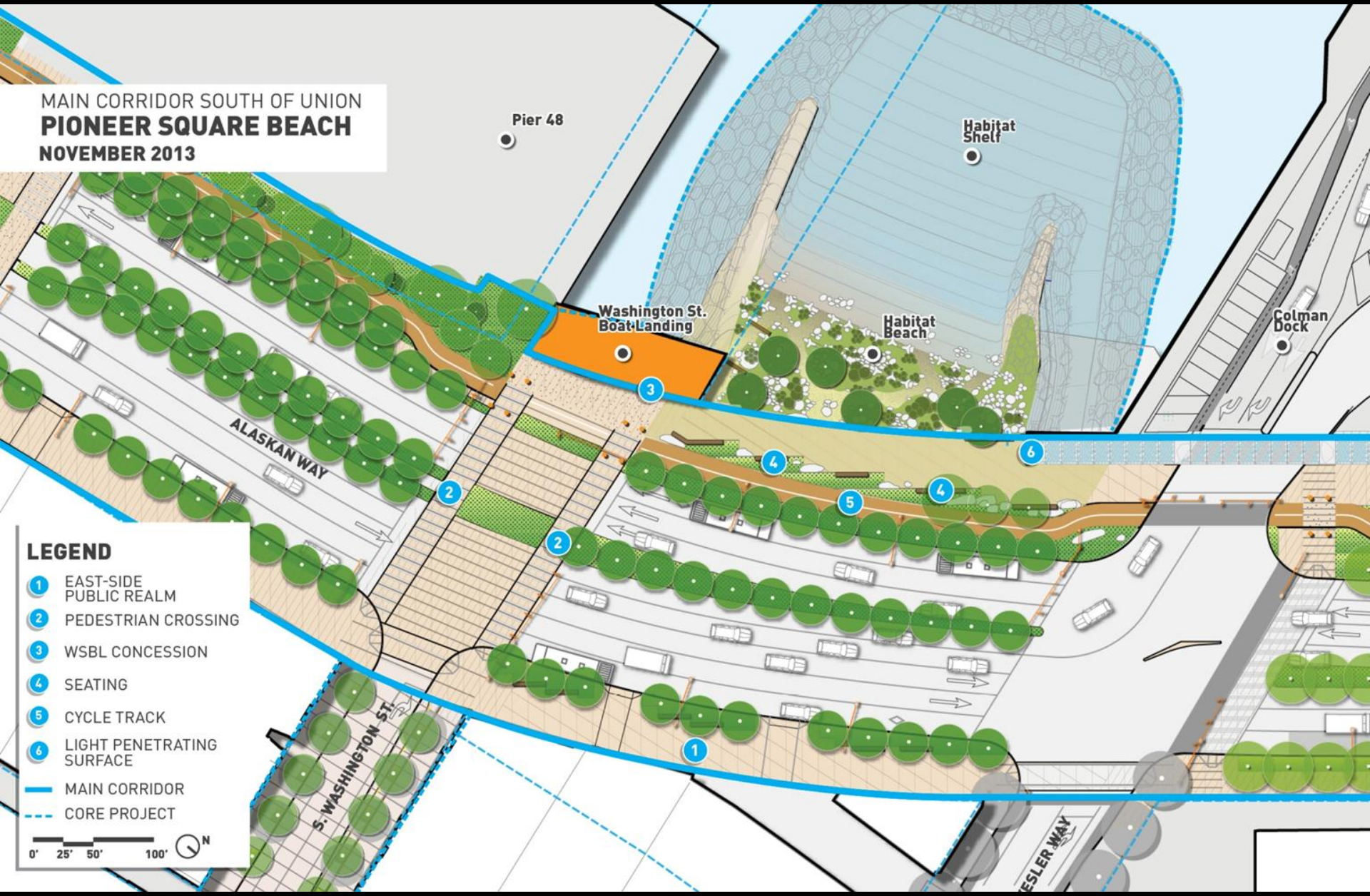
Spreading English Yew
Taxus baccata 'Repandens'

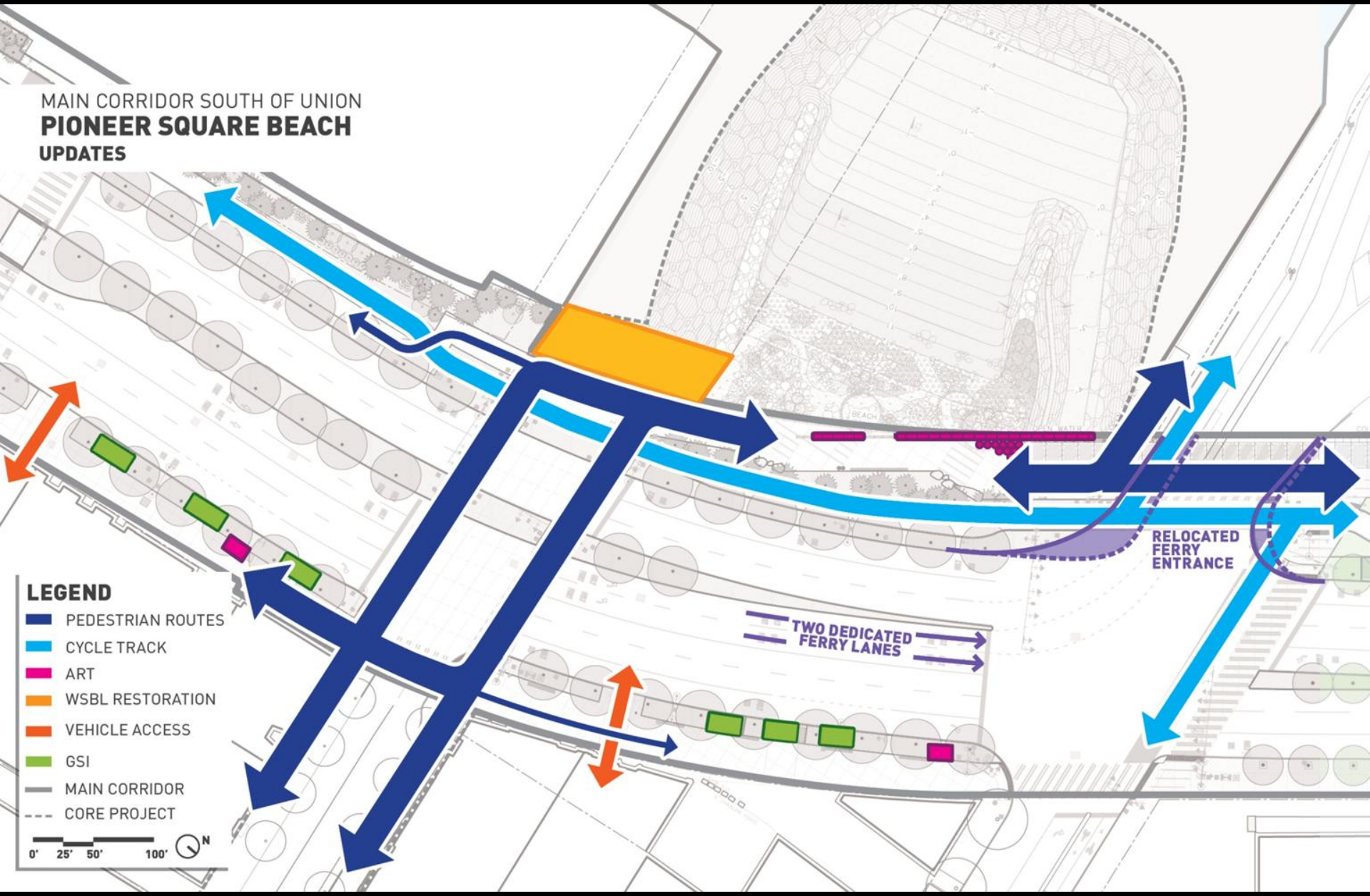
Dewey's sedge
Carex deweyana

Creeping Mahonia
Mahonia repens

Woodland strawberry
Fragaria vesca

Soft rush
Juncus effusus

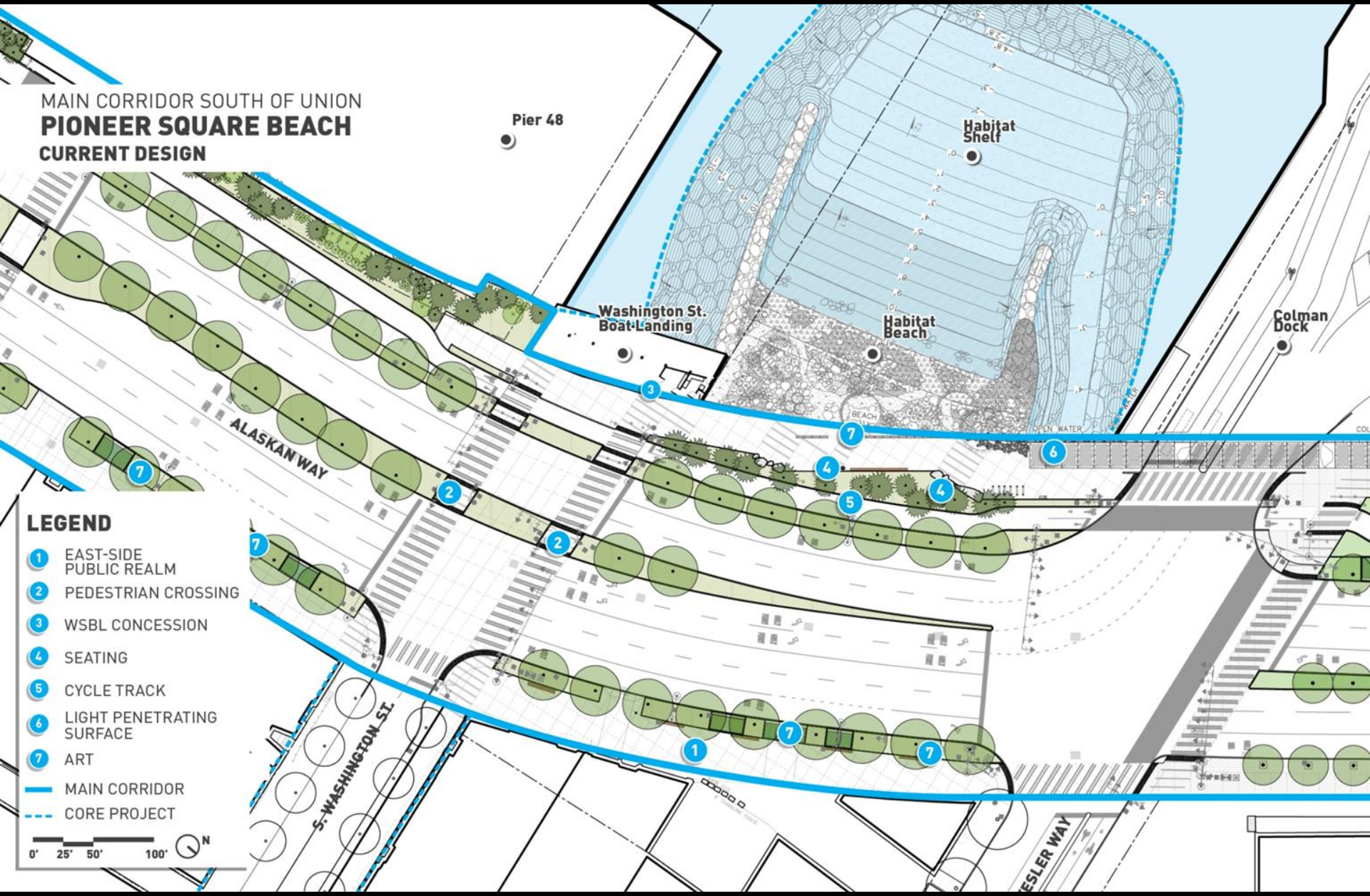

MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE BEACH
NOVEMBER 2013
Pier 48
Habitat Shelf
Washington St. Boat Landing
Habitat Beach
Colman Dock
ALASKAN WAY
S. WASHINGTON ST.
LEGEND
1 EAST-SIDE PUBLIC REALM
2 PEDESTRIAN CROSSING
3 WSBL CONCESSION
4 SEATING
5 CYCLE TRACK
6 LIGHT PENETRATING SURFACE
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N


MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE BEACH
UPDATES
RELOCATED FERRY ENTRANCE
TWO DEDICATED FERRY LANES
LEGEND
PEDESTRIAN ROUTES
CYCLE TRACK
ART
WSBL RESTORATION
VEHICLE ACCESS
GSI
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N

MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE BEACH

CURRENT DESIGN



MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE BEACH

SECTION: WASHINGTON AND YESLER

BEACH | 24' MIN. PROMENADE + ART | 5' - 20' PLANTING | 12' CYCLE TRACK | 8' PLANTING A.W. | A.W. | 10' PLANTING + ART | 20' SIDEWALK

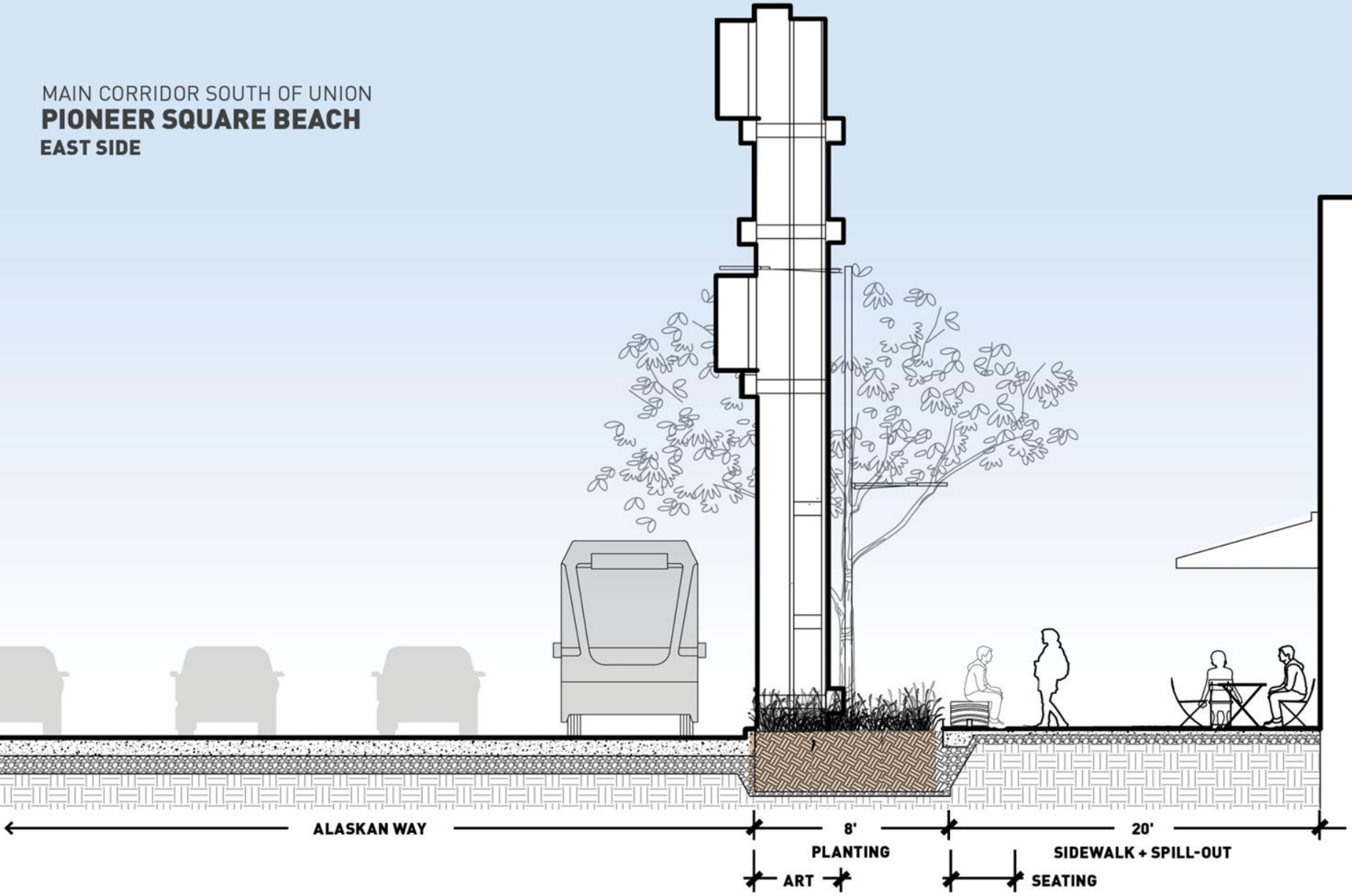
WEST SIDE

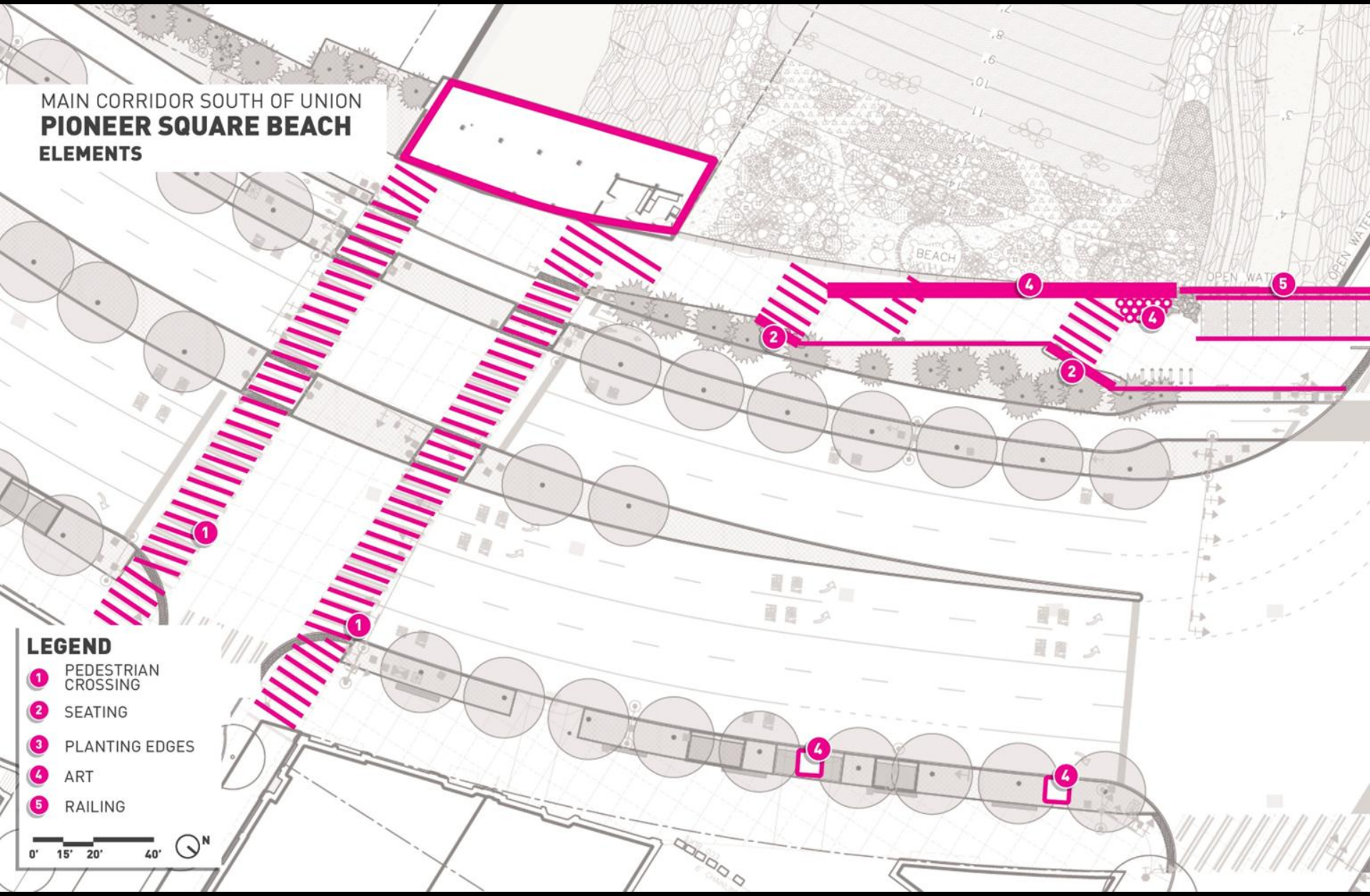
EAST SIDE

MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE BEACH

EAST SIDE




MAIN CORRIDOR SOUTH OF UNION
PIONEER SQUARE BEACH
ELEMENTS
BEACH
OPEN WATER
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

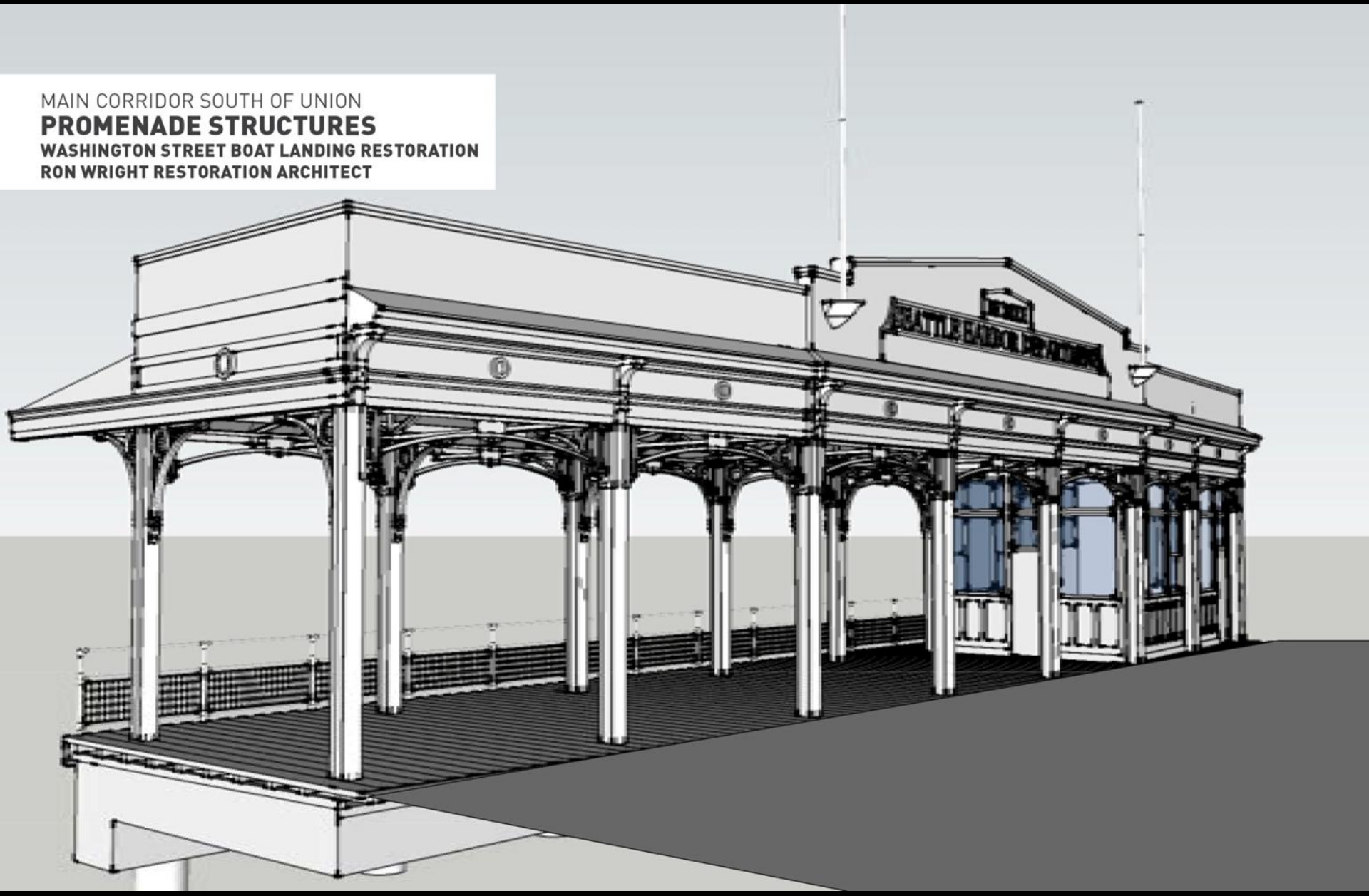
WASHINGTON STREET BOAT LANDING 2012

MAIN CORRIDOR SOUTH OF UNION

PROMENADE STRUCTURES

WASHINGTON STREET BOAT LANDING RESTORATION

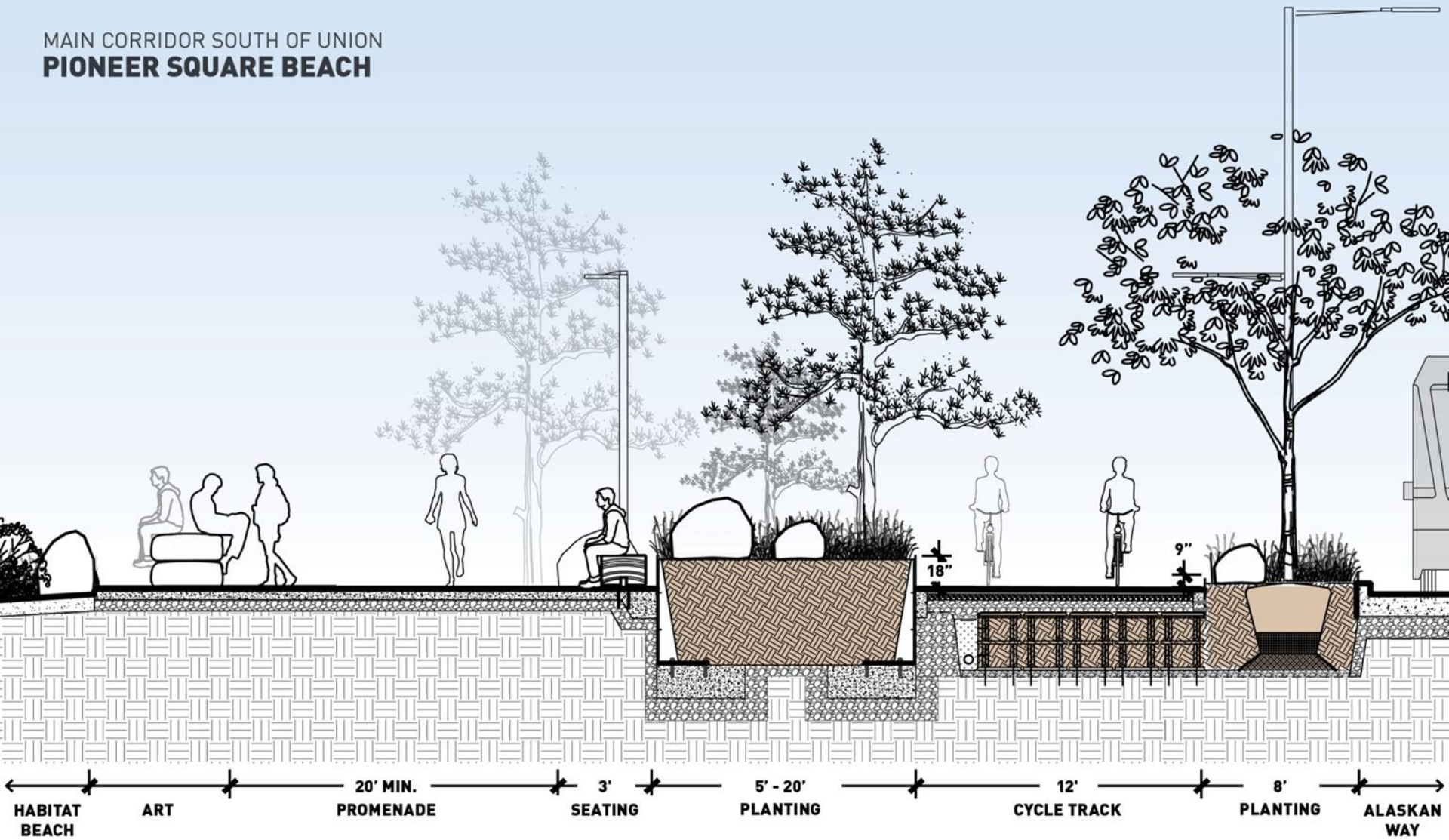
RON WRIGHT RESTORATION ARCHITECT



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

MAIN CORRIDOR SOUTH OF UNION

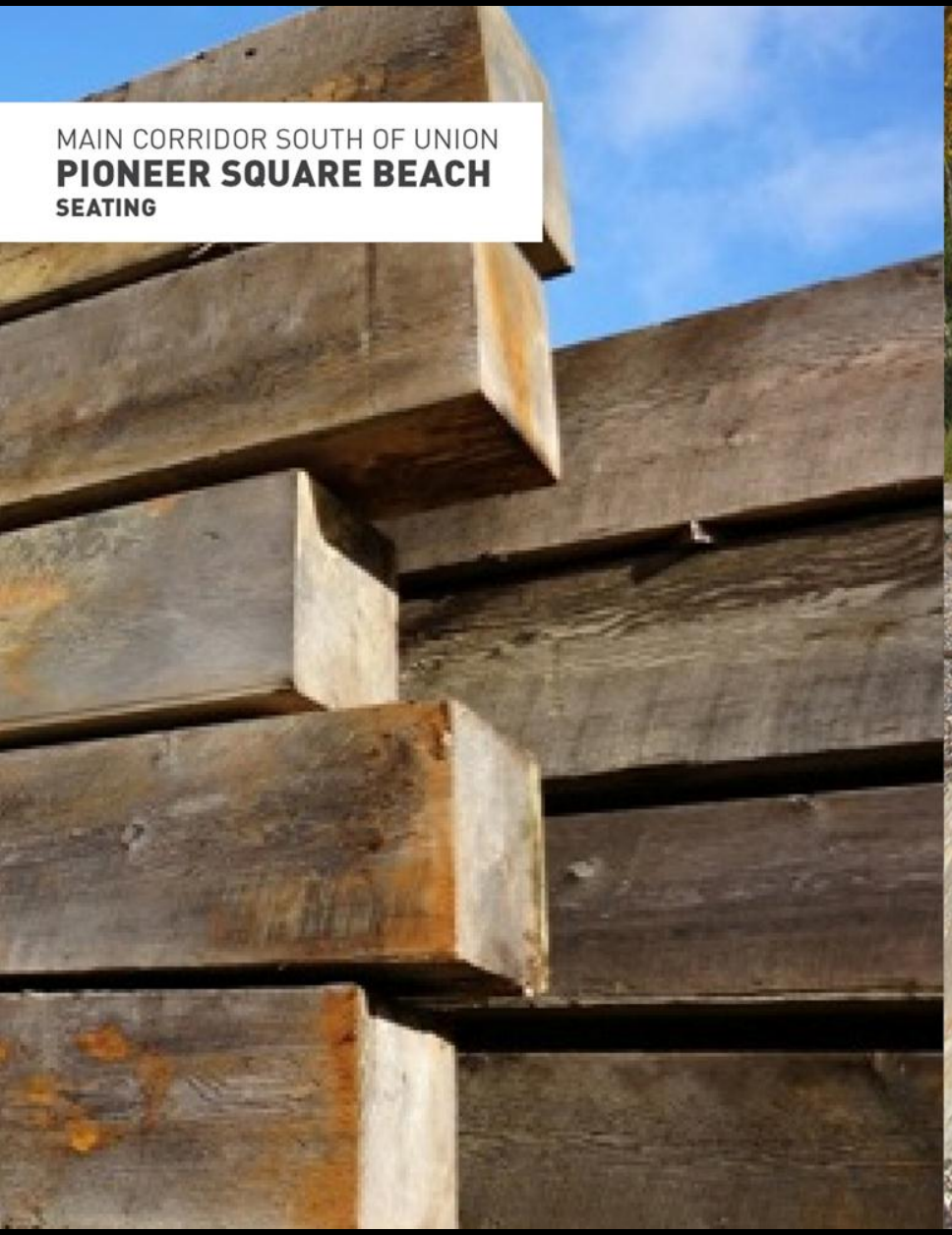
PIONEER SQUARE BEACH



MAIN CORRIDOR SOUTH OF UNION

PIONEER SQUARE BEACH

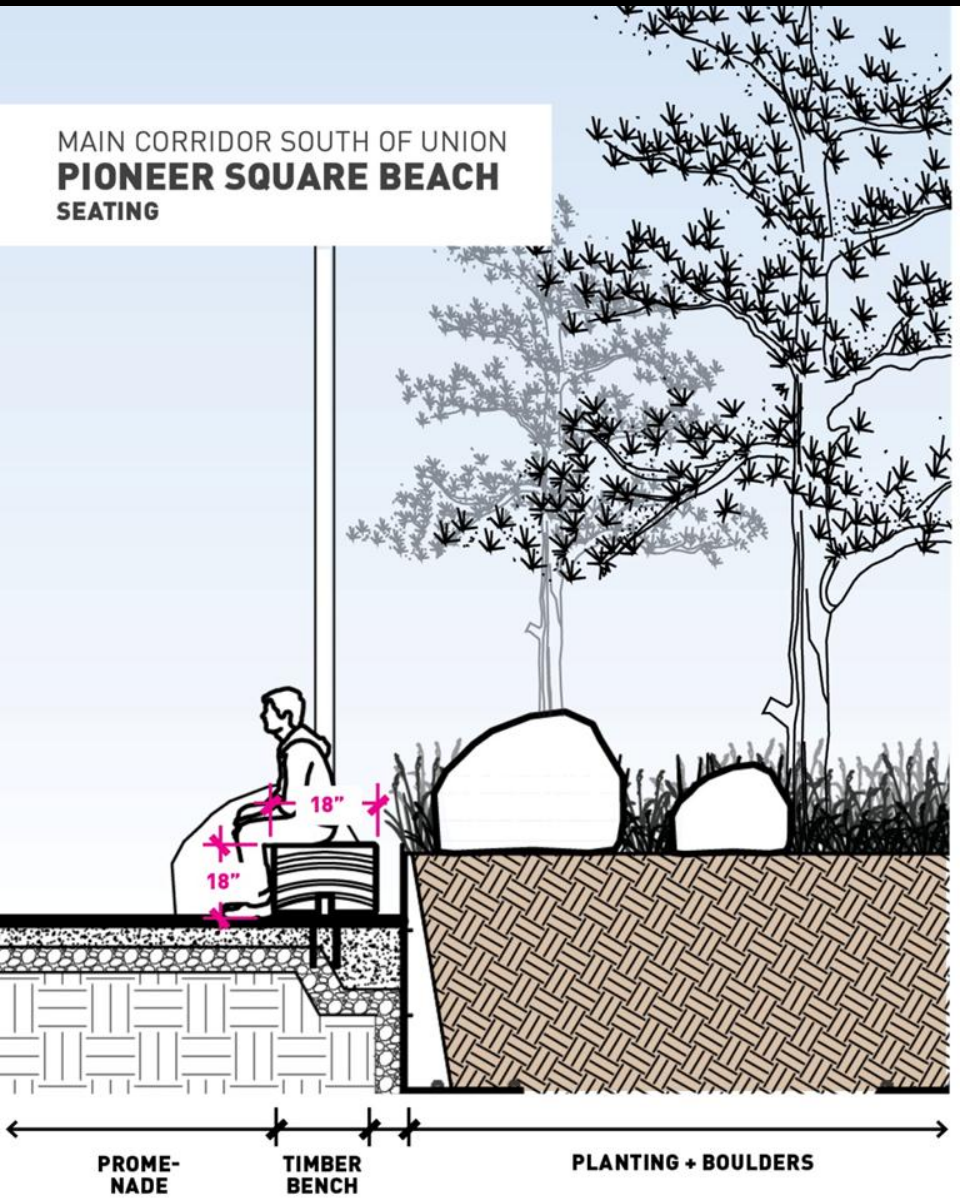
SEATING

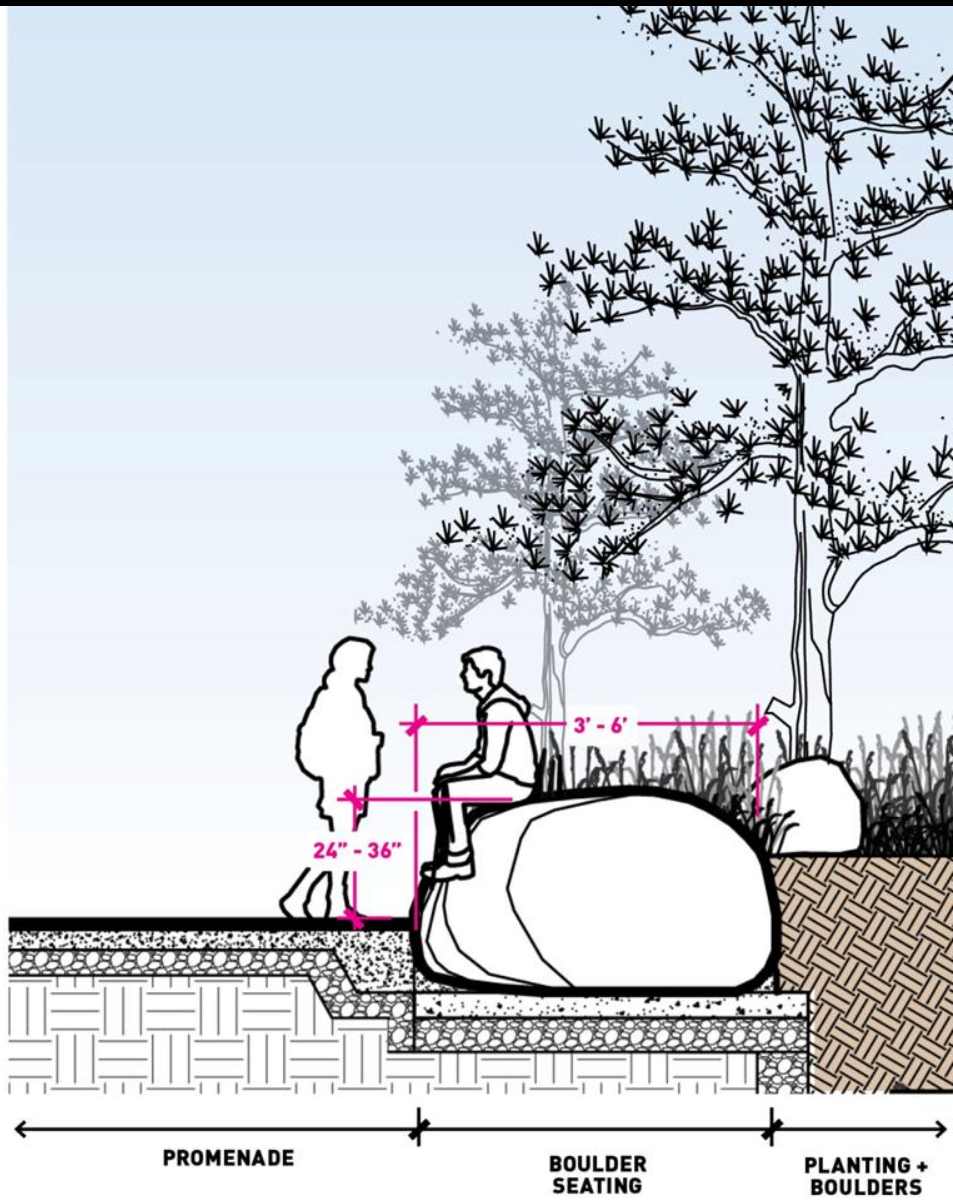


MAIN CORRIDOR SOUTH OF UNION

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

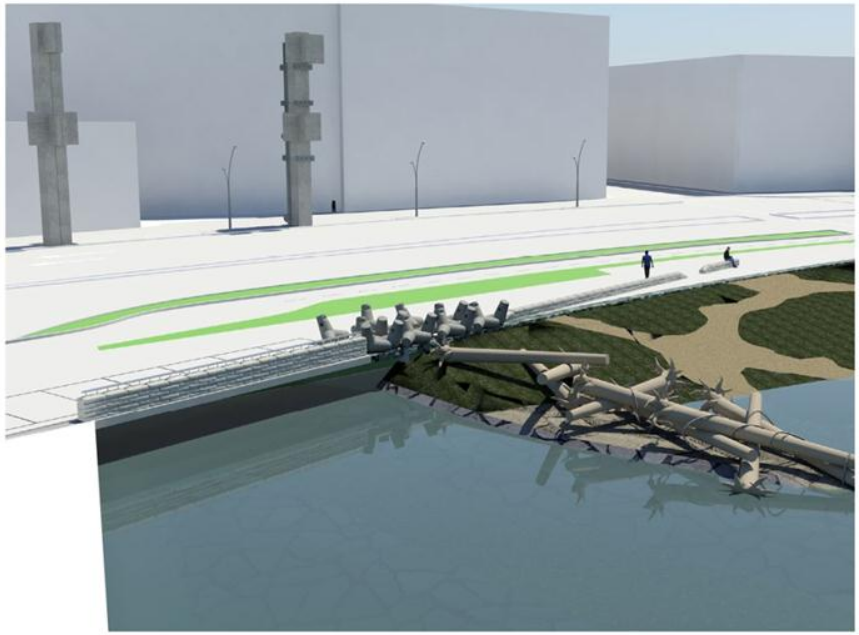
EXPOSED PEBBLES IN CONCRETE

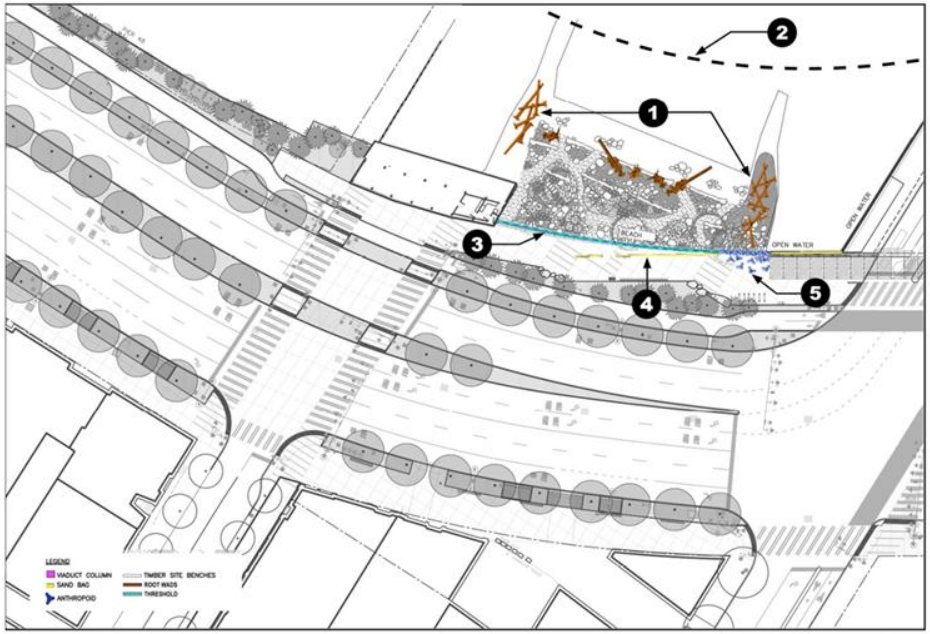
BOULDERS

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 rood 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.

Elliott Bay Seawall Project	ANTHROPOCENE BEACH // ZONE 1	60% DESIGN DEVELOPMENT	PA-02	2014-10-14

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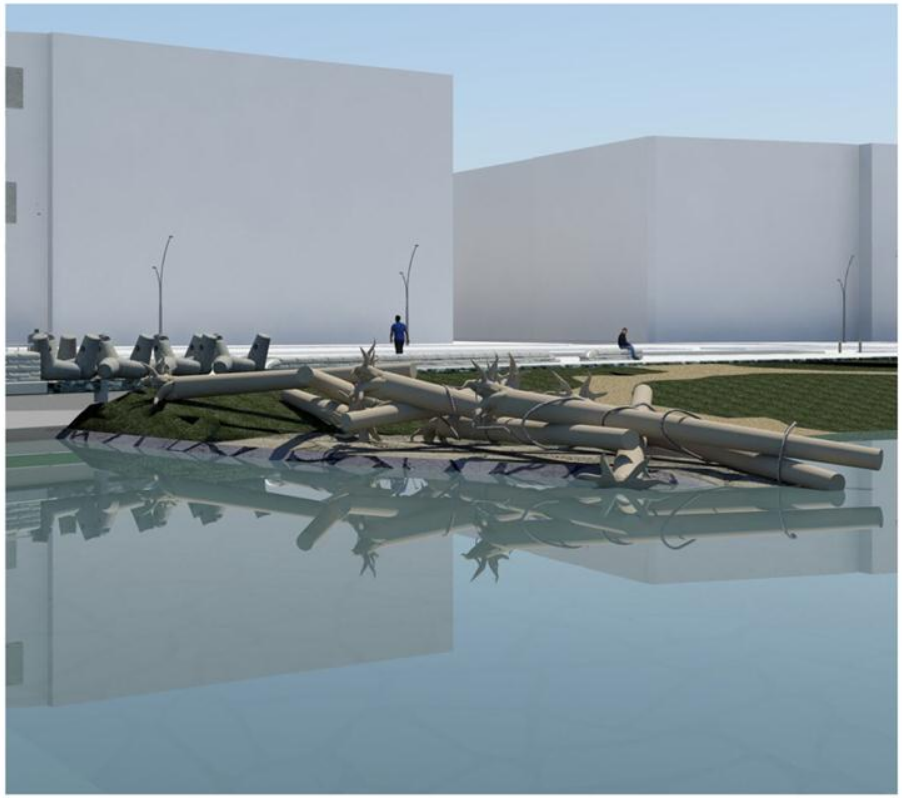

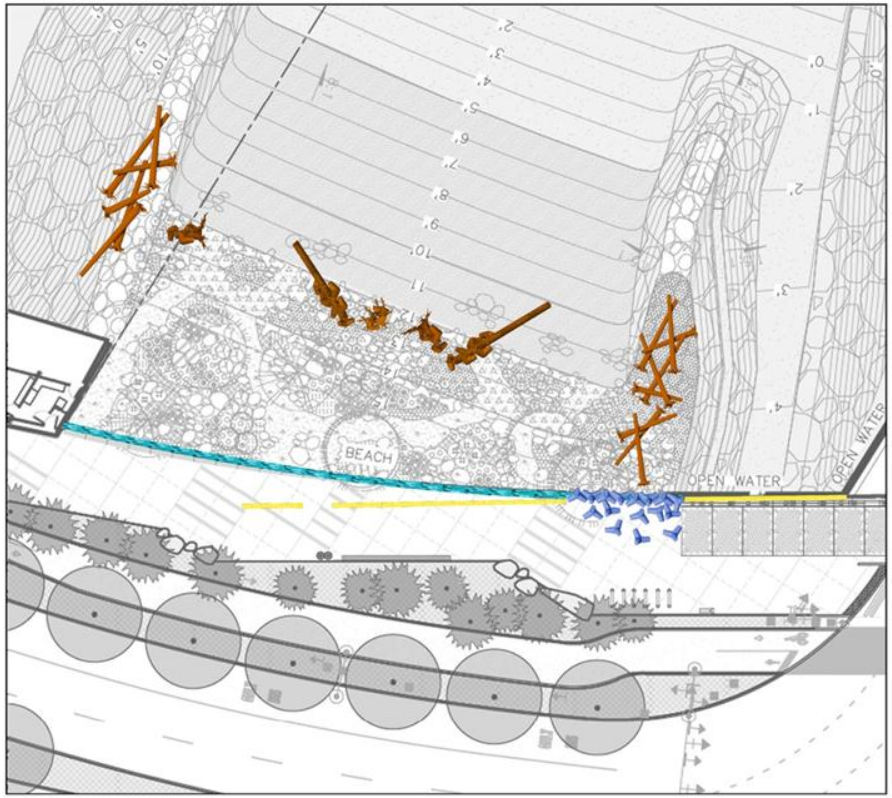

Historic beach with Salish canoes

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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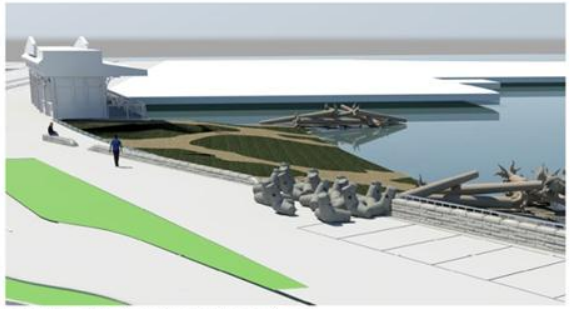


Installation of Anthropoids looking southwest

Installation looking north

Installation looking northwest

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

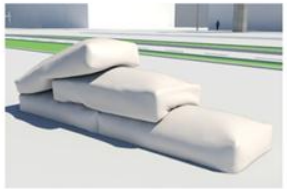
Plan view of Anthropoid installation and Limestone/Marble "Sand Bags"

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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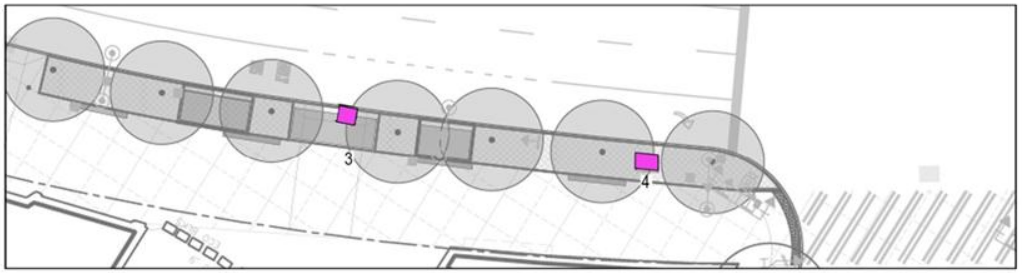
Columns 3 & 4 looking north

Columns 3 & 4 looking northwest



Plan view of site showing columns

Column 3

Column 4

Elliott Bay Seawall Project	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'

Shore Pine
Pinus contorta var. contorta

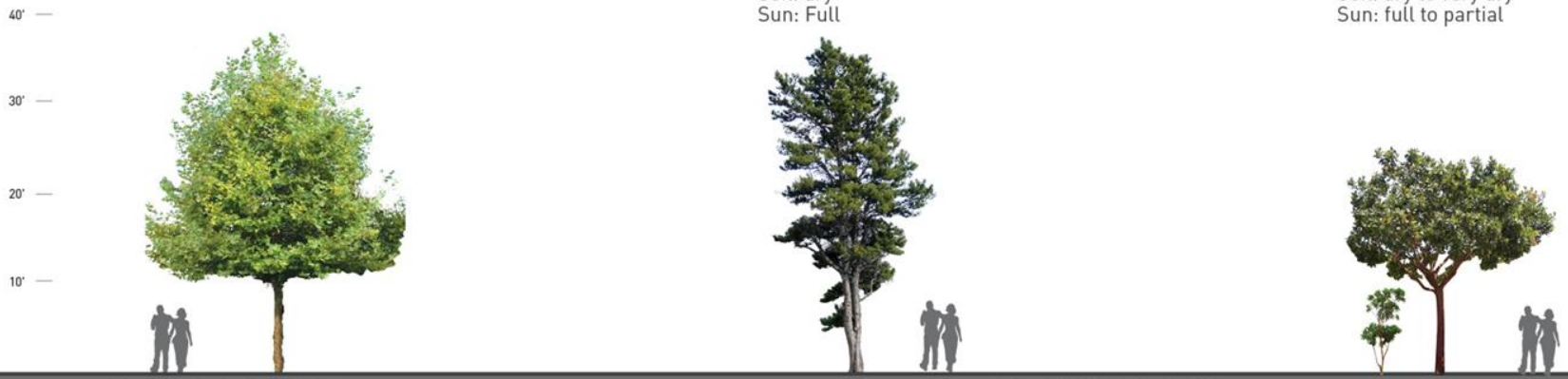
Height: 35'
Spread: 15'

Soil: dry
Sun: Full

Marina Strawberry Tree
Arbutus marina

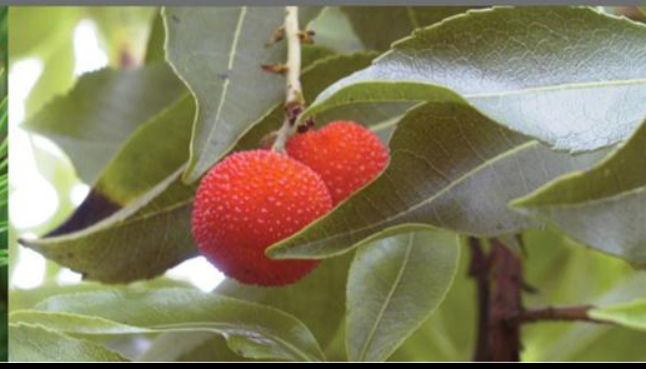
Height: 20'
Spread: 25'

Soil: dry to very dry
Sun: full to partial



STREET TREE

BEACH TREES



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

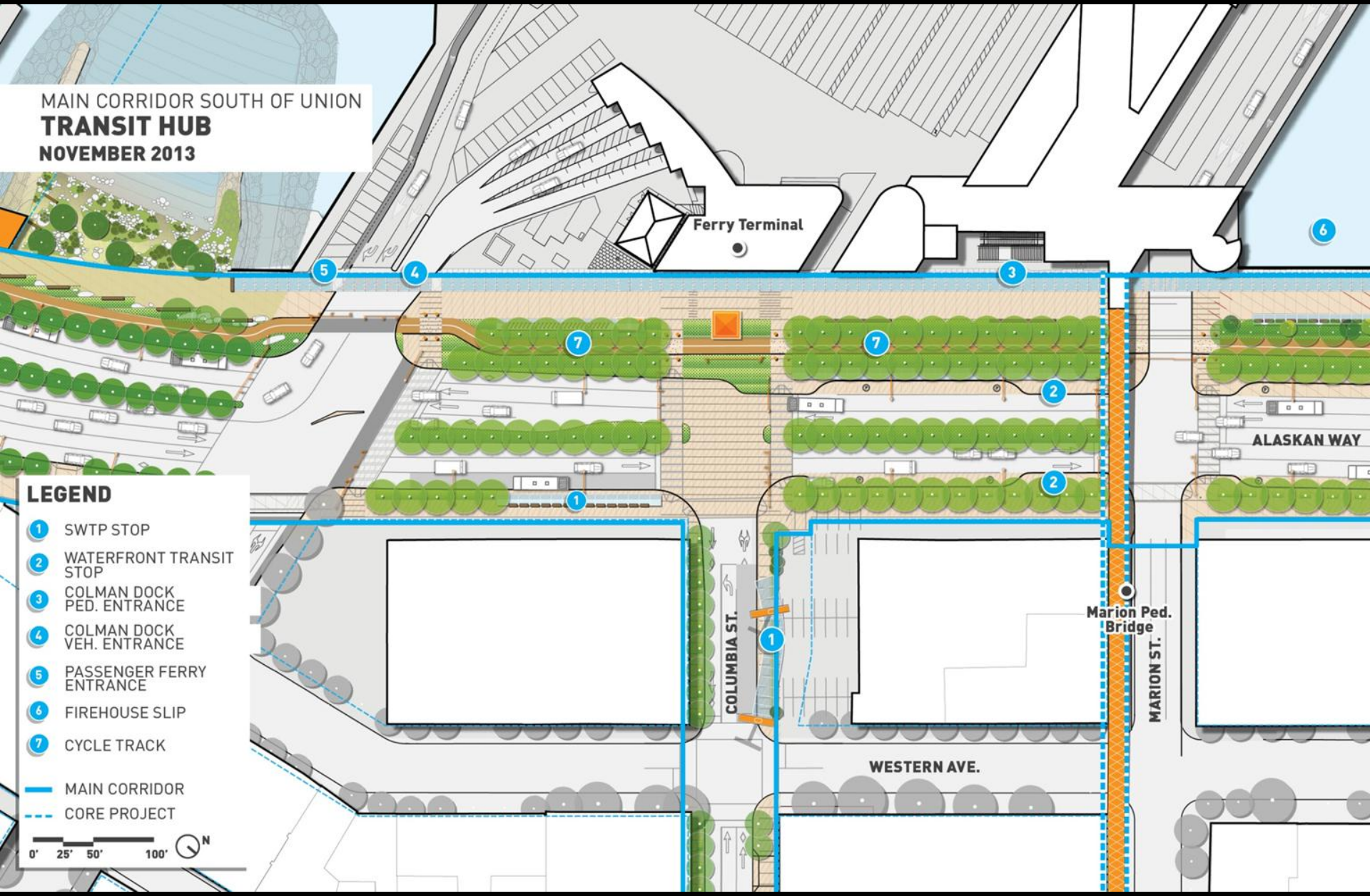
Creeping Mahonia
Mahonia repens

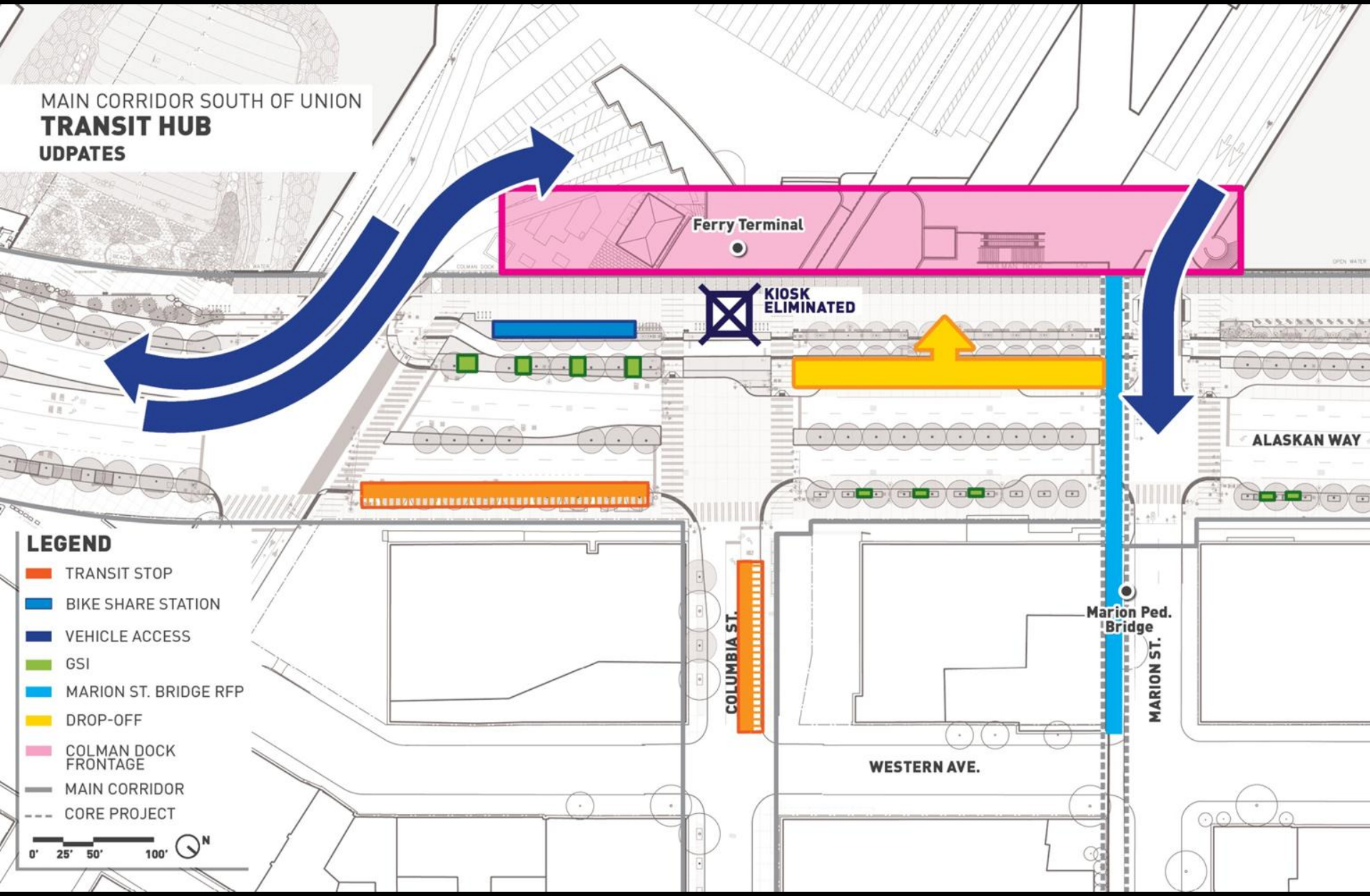
Kinnickinnic
Arctostaphylos uva-ursi

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

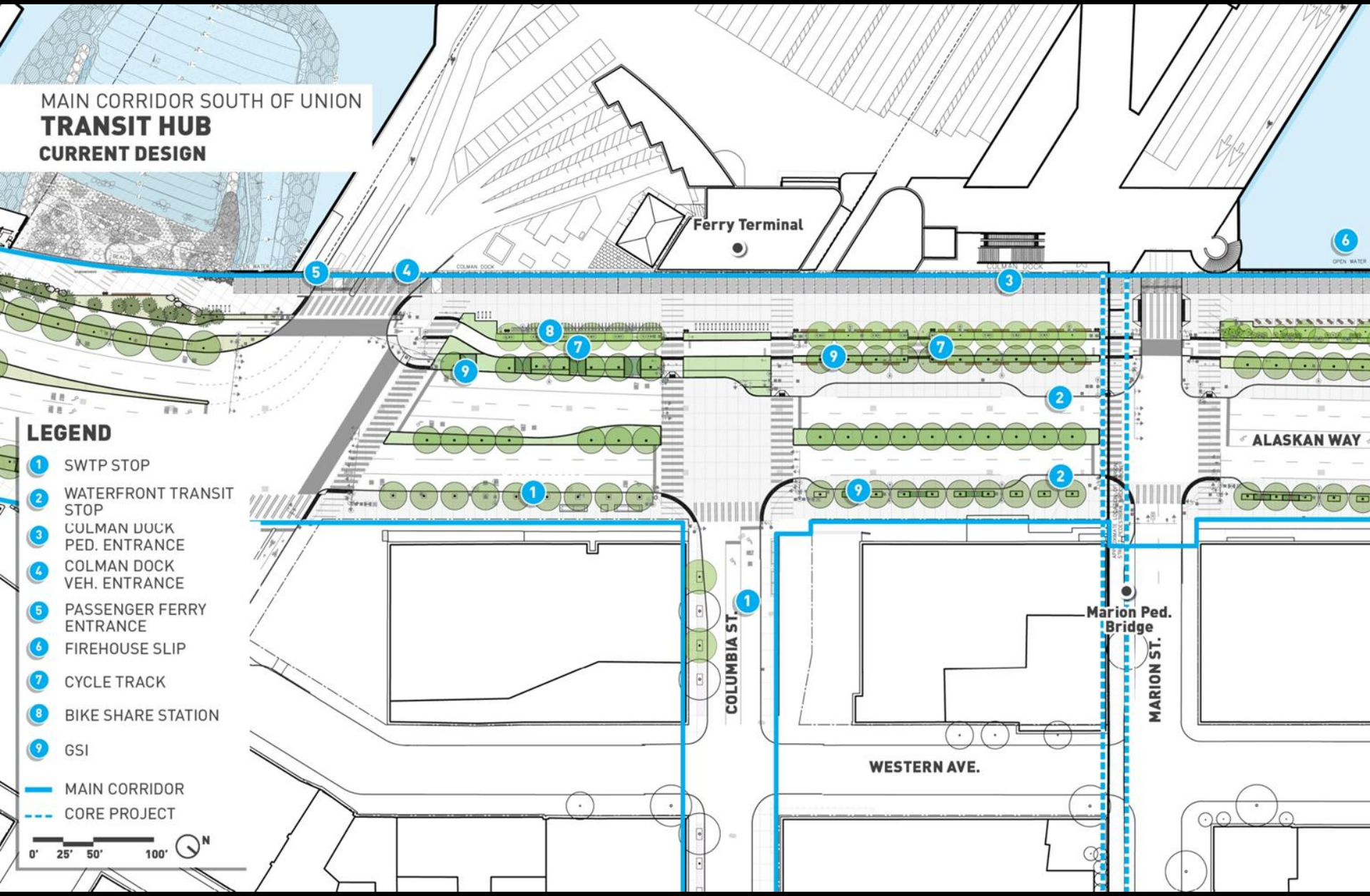

MAIN CORRIDOR SOUTH OF UNION
TRANSIT HUB
NOVEMBER 2013
Ferry Terminal
ALASKAN WAY
COLUMBIA ST.
WESTERN AVE.
MARION ST.
Marion Ped. Bridge
LEGEND
1 SWTP STOP
2 WATERFRONT TRANSIT STOP
3 COLMAN DOCK PED. ENTRANCE
4 COLMAN DOCK VEH. ENTRANCE
5 PASSENGER FERRY ENTRANCE
6 FIREHOUSE SLIP
7 CYCLE TRACK
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N


MAIN CORRIDOR SOUTH OF UNION
TRANSIT HUB
UDPATES
Ferry Terminal
KIOSK ELIMINATED
ALASKAN WAY
COLUMBIA ST.
Marion Ped. Bridge
MARION ST.
WESTERN AVE.
LEGEND
TRANSIT STOP
BIKE SHARE STATION
VEHICLE ACCESS
GSI
MARION ST. BRIDGE RFP
DROP-OFF
COLMAN DOCK FRONTAGE
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N

MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

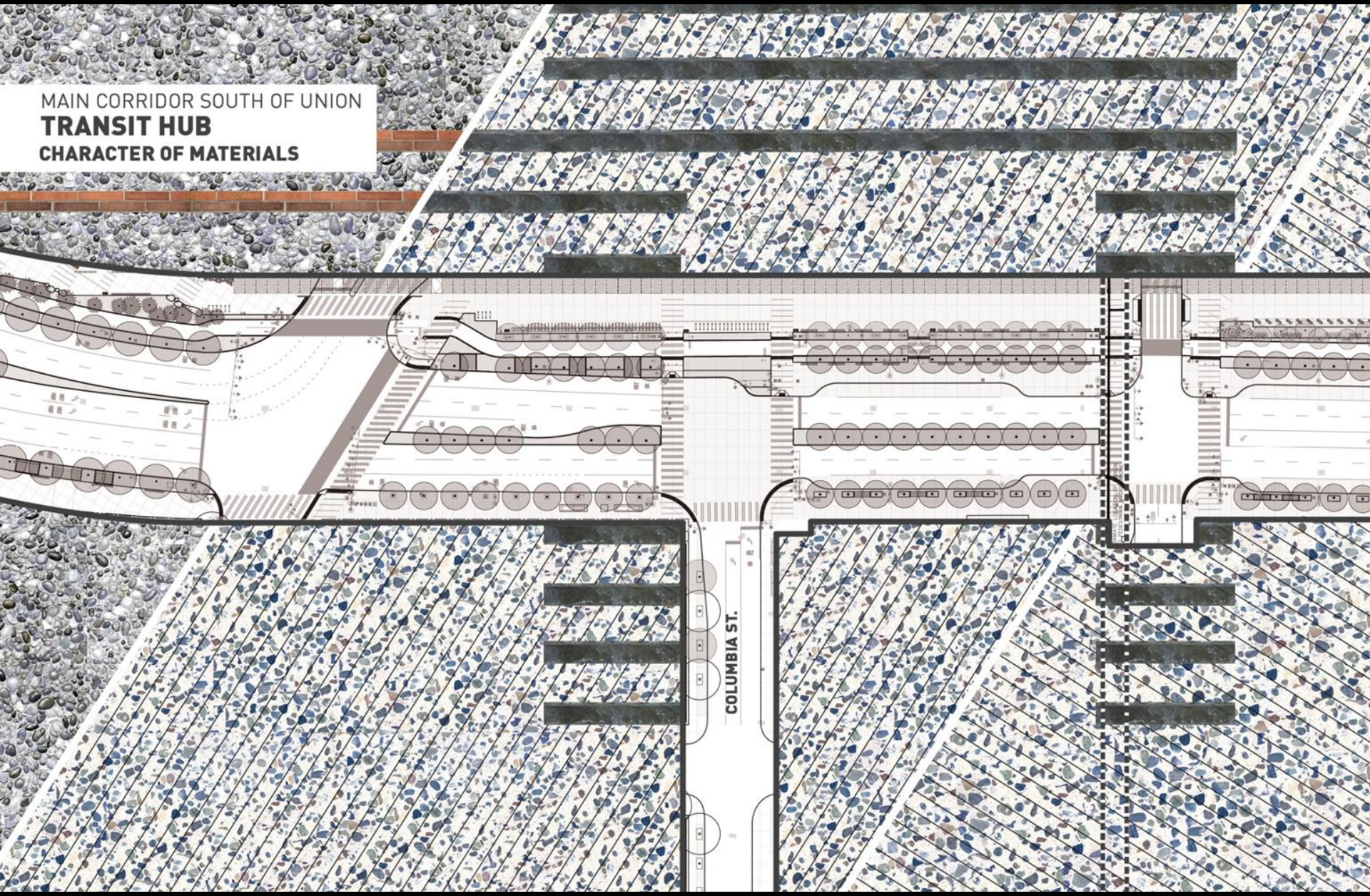
CURRENT DESIGN



MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

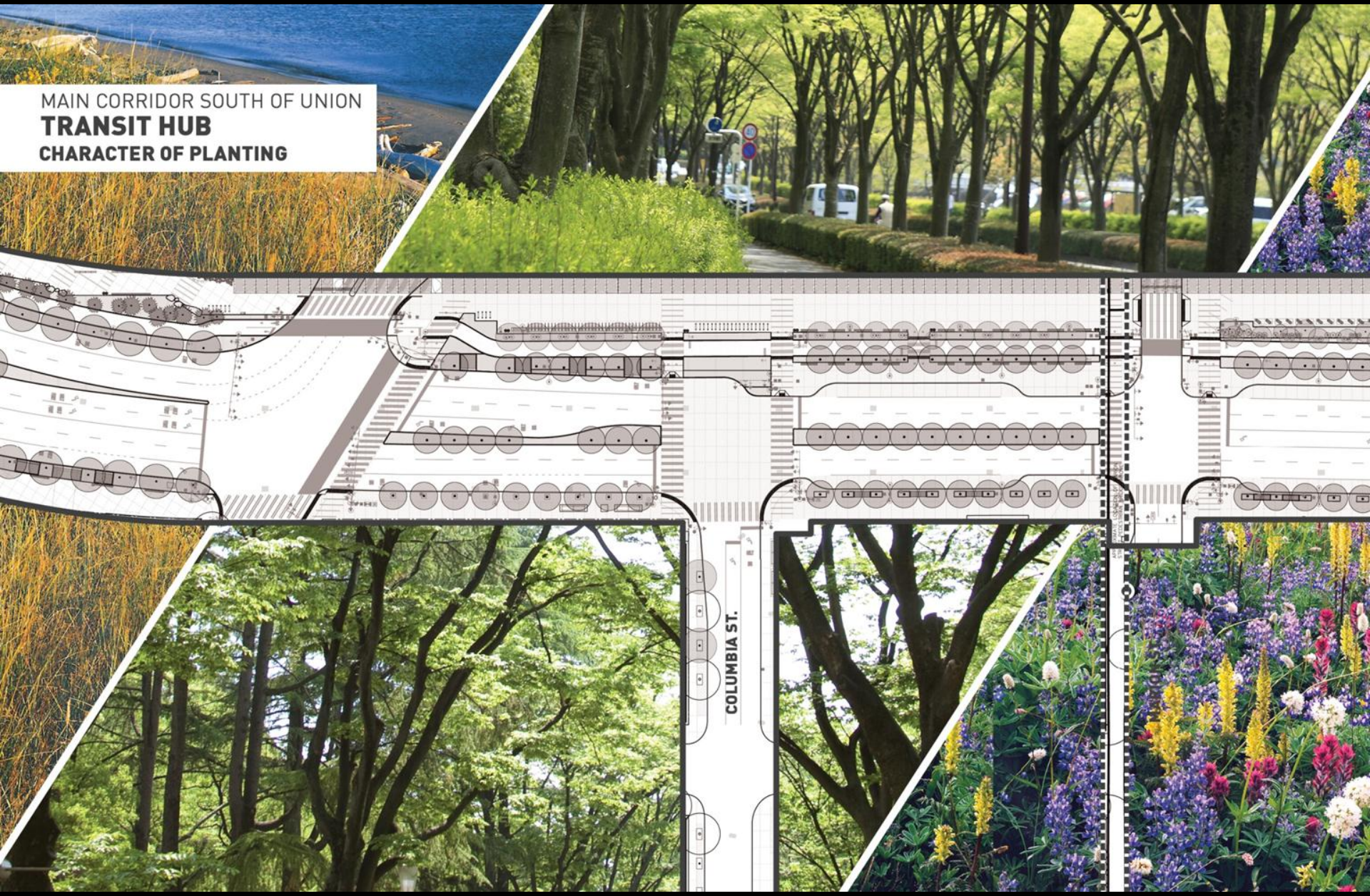
CHARACTER OF MATERIALS



MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

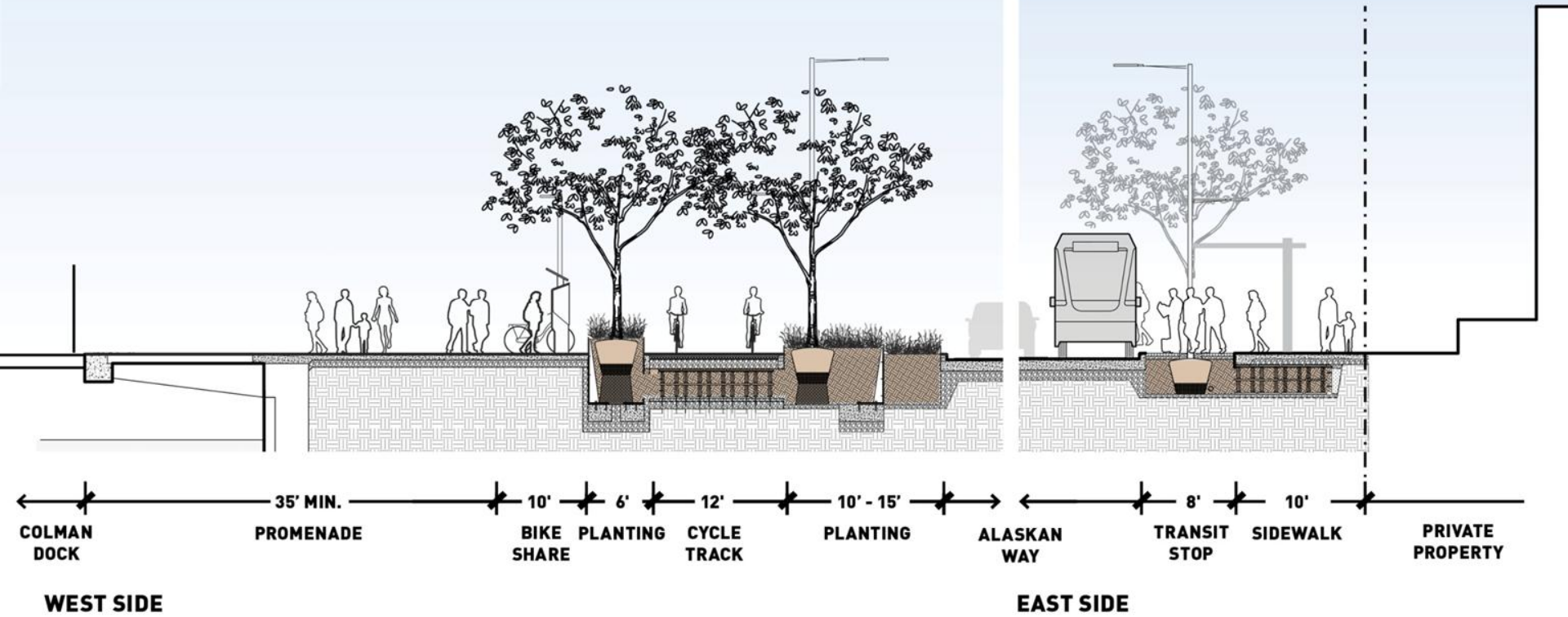
CHARACTER OF PLANTING



MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

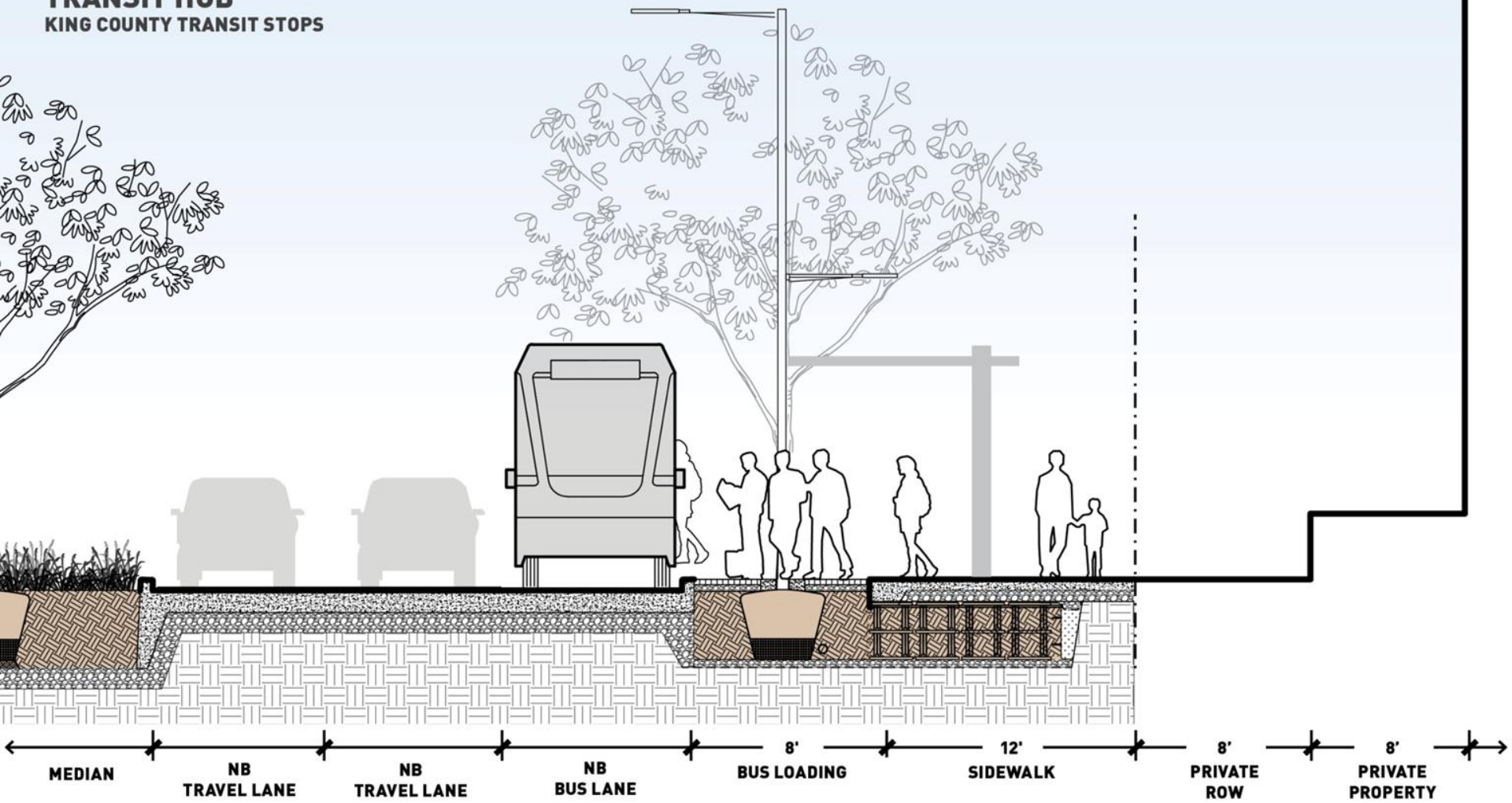
SECTION



MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

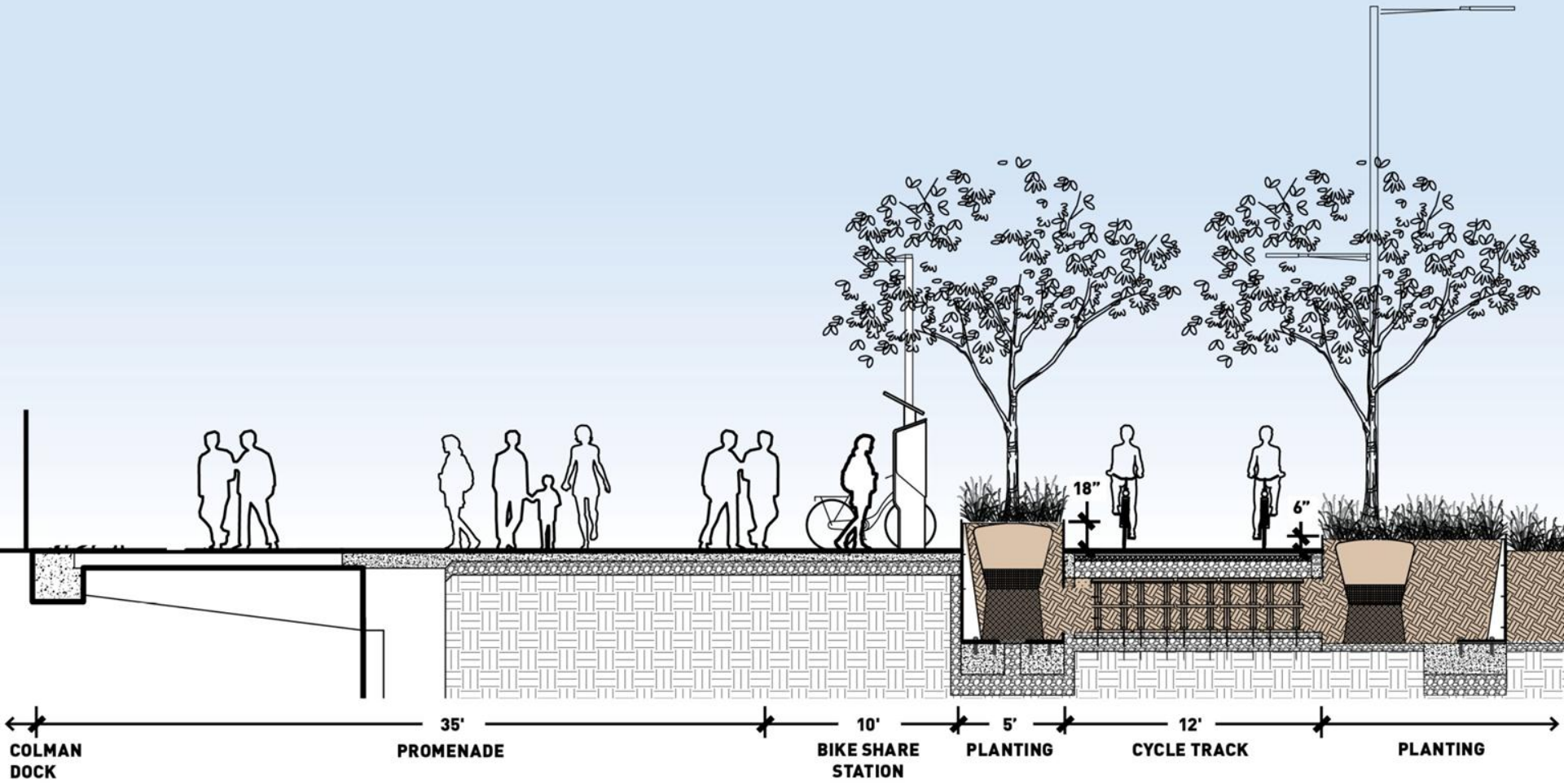
KING COUNTY TRANSIT STOPS



MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

YESLER TO COLUMBIA



MAIN CORRIDOR SOUTH OF UNION

TRANSIT HUB

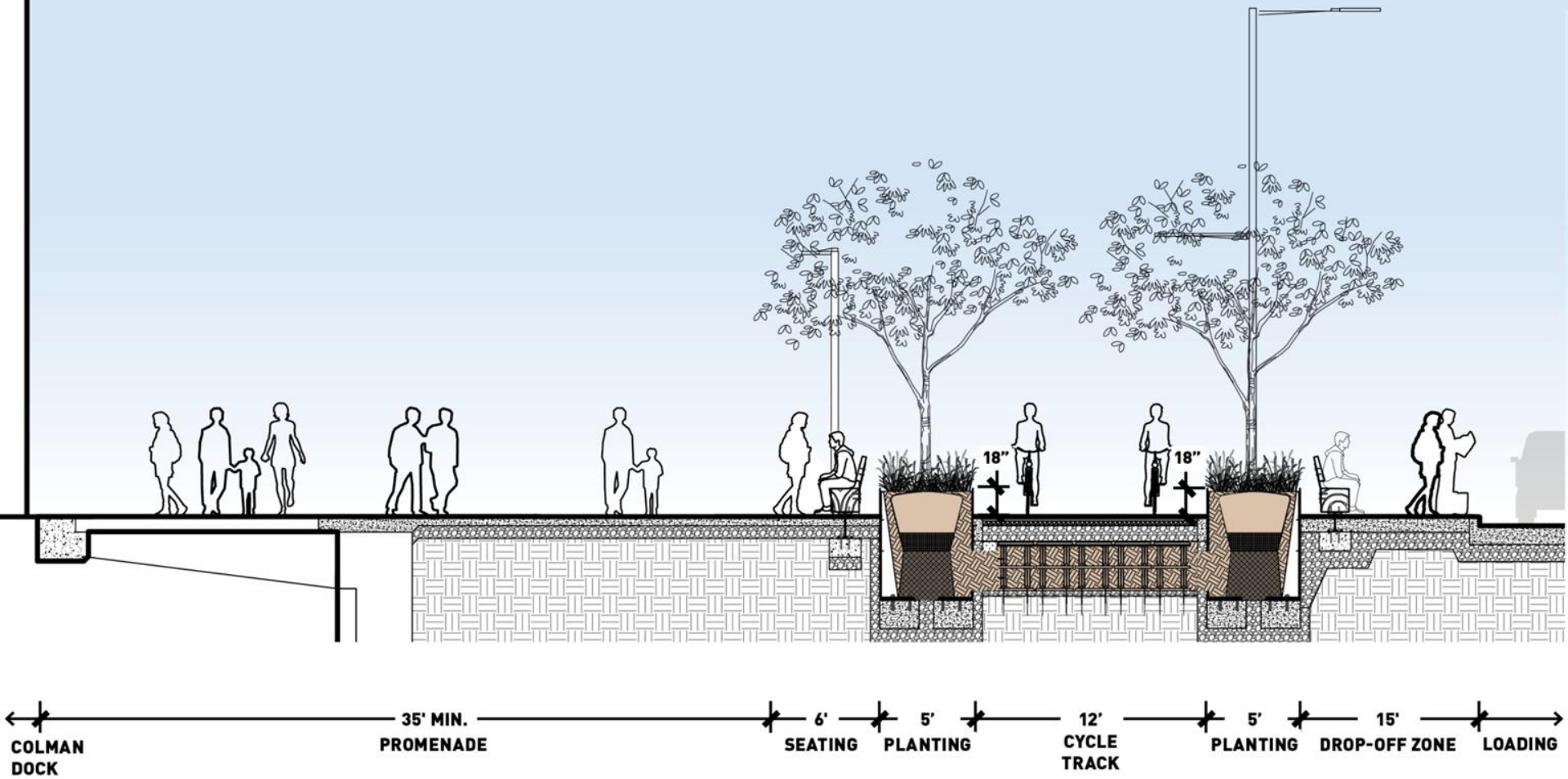
PRONTO! BIKE SHARE STATION

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'

STREET TREE

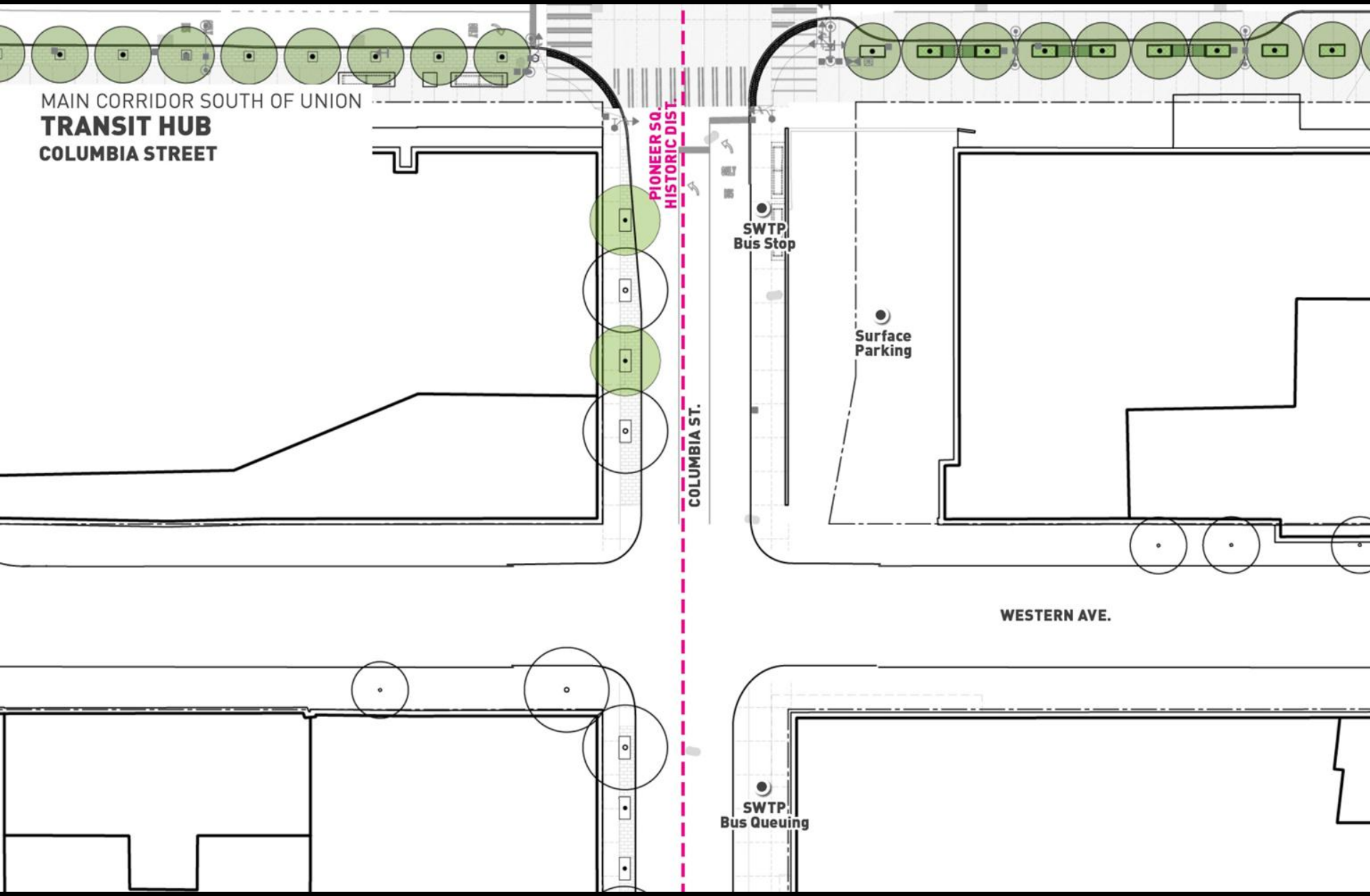
TRANSIT HUB ALLÉE

Creeping Mahonia
Mahonia repens

Dwarf Fountain Grass
Pennisetum 'Hameln'

Dwarf English Laurel
Prunus laurocerasus 'Mount Vernon'

Equisetum Sp.
Equisetum hyemale, telmatia


MAIN CORRIDOR SOUTH OF UNION
TRANSIT HUB
COLUMBIA STREET
PIONEER SQ. HISTORIC DIST.
SWTP Bus Stop
Surface Parking
COLUMBIA ST.
WESTERN AVE.
SWTP Bus Queuing

MAIN CORRIDOR SOUTH OF UNION

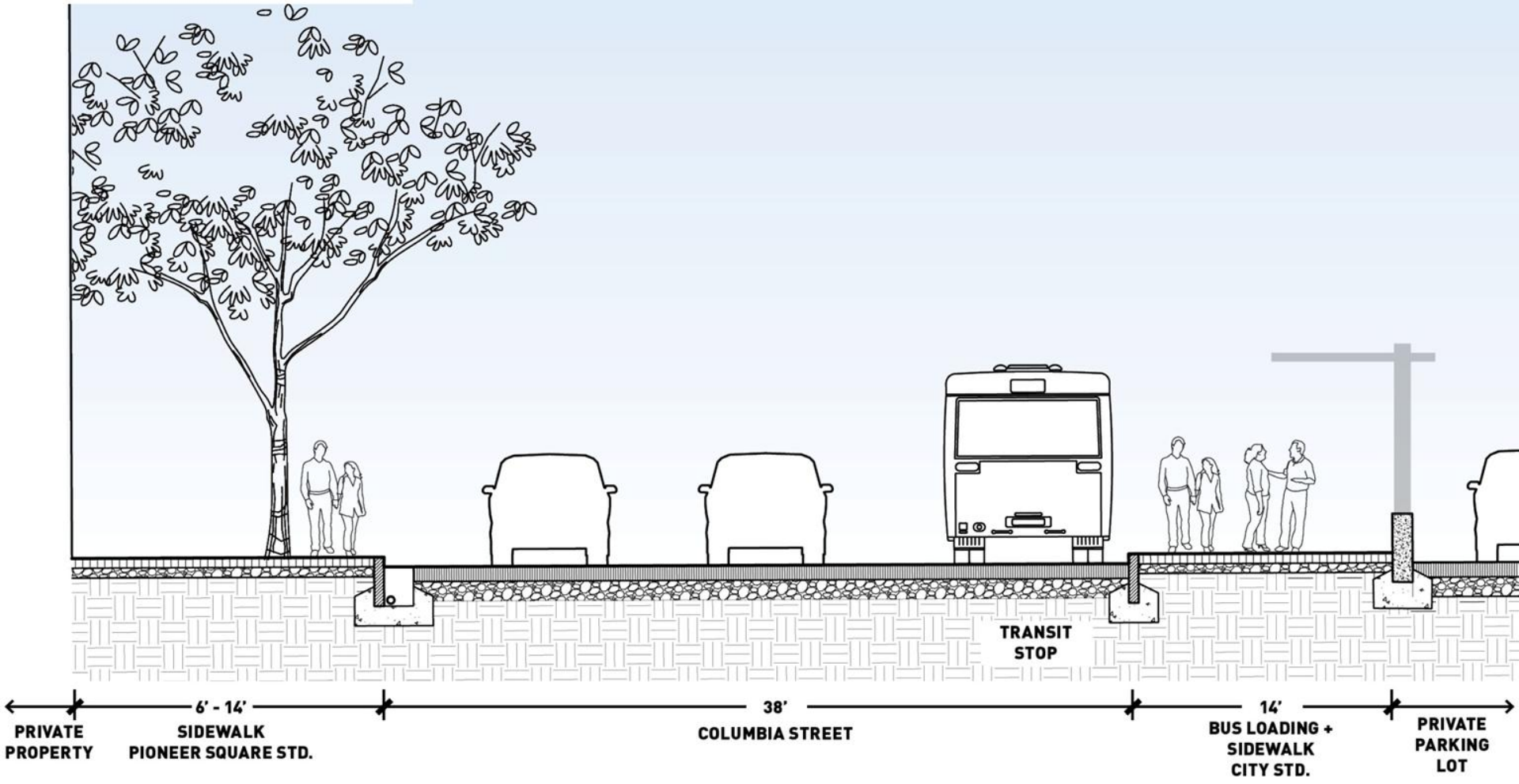
COLUMBIA STREET

EXISTING CONDITIONS

MAIN CORRIDOR SOUTH OF UNION

COLUMBIA STREET

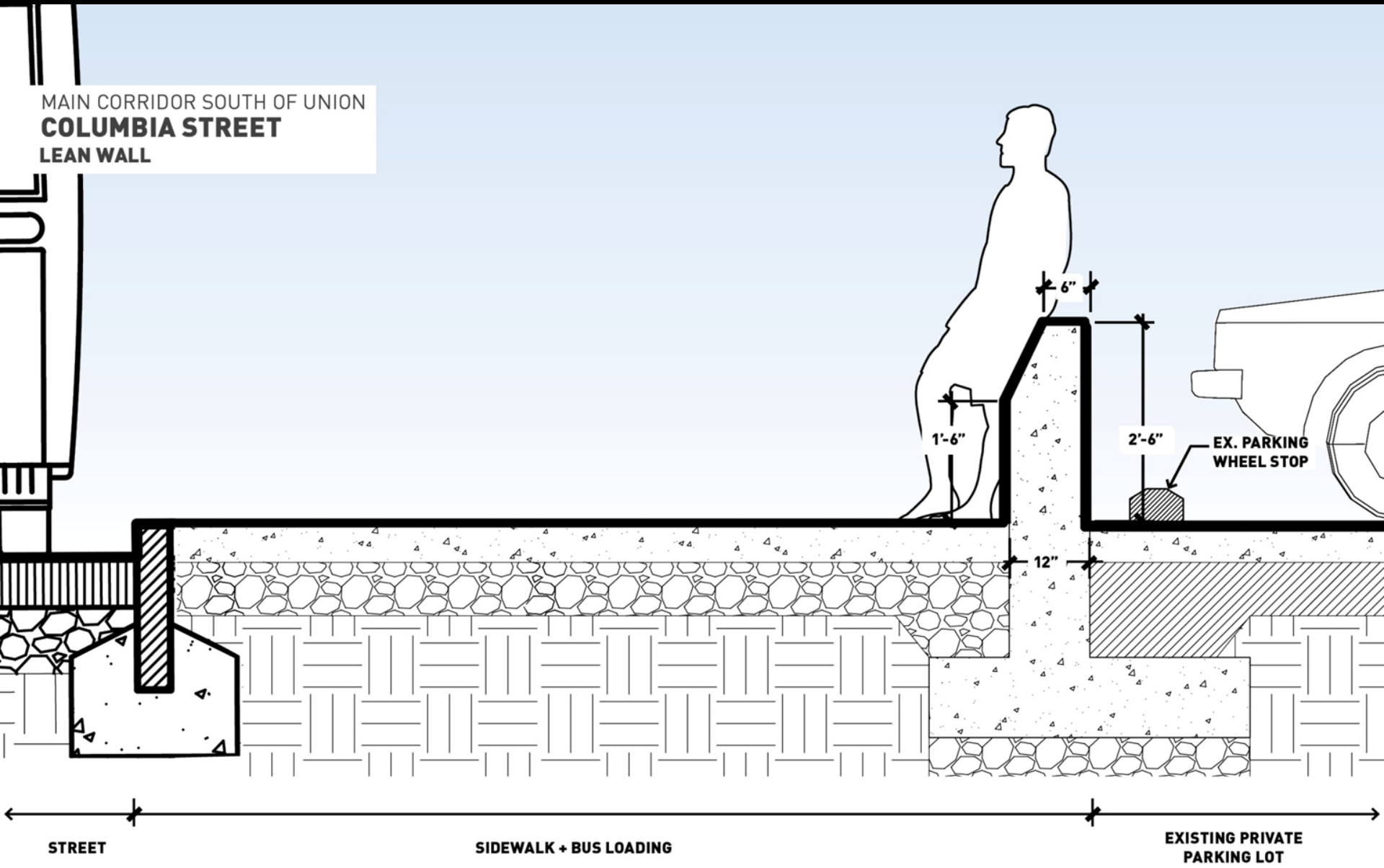
SECTION

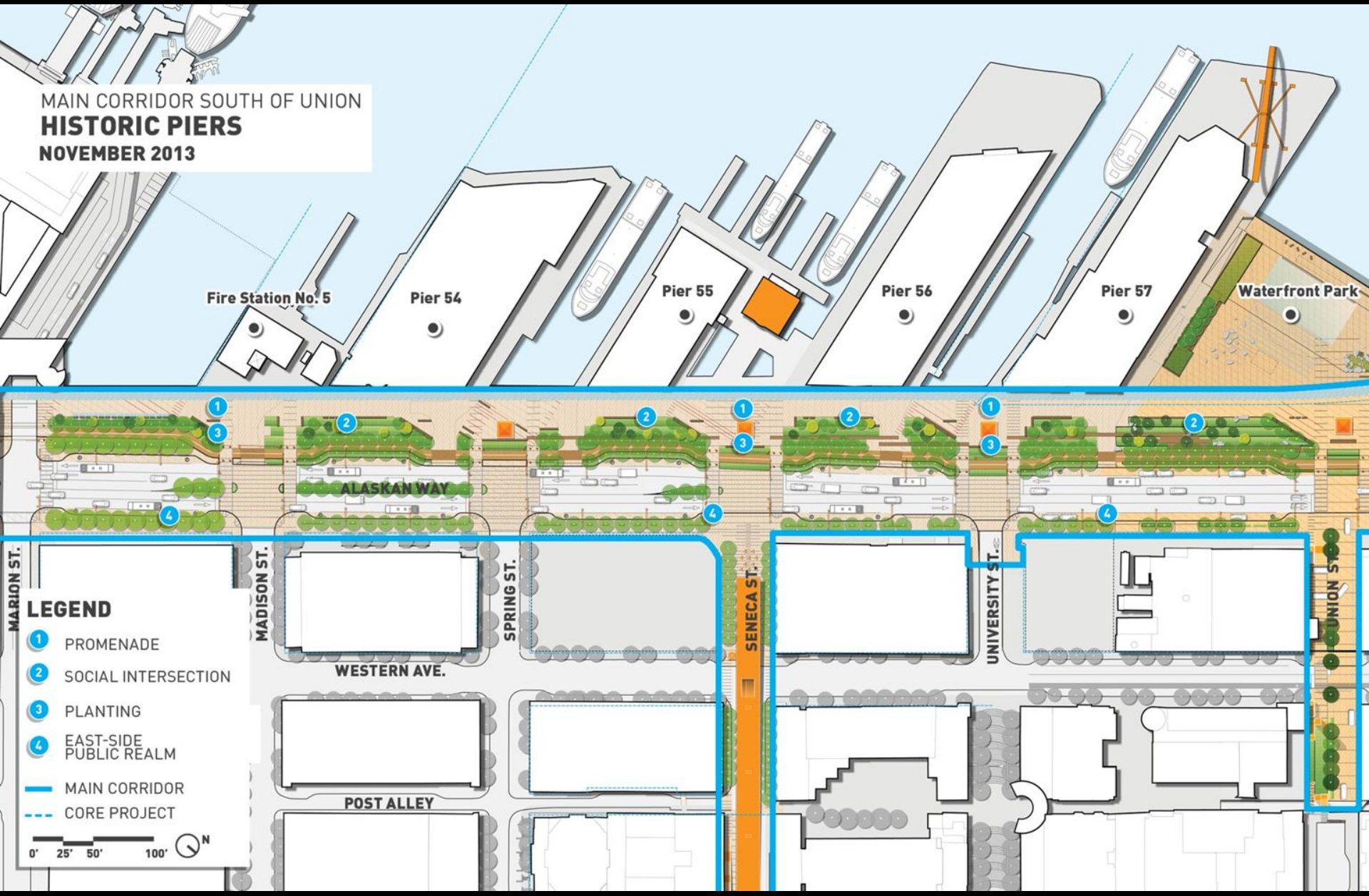


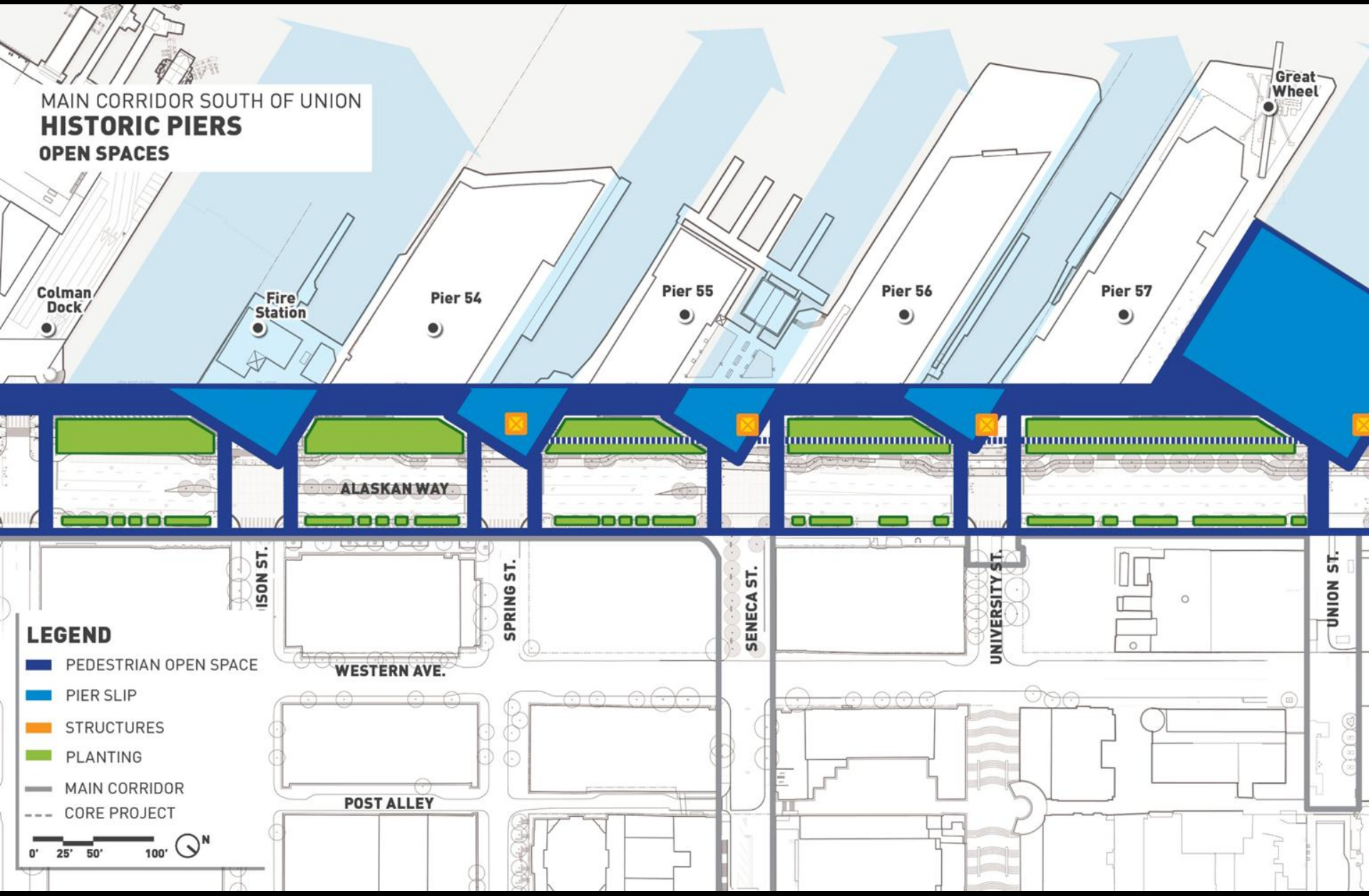
MAIN CORRIDOR SOUTH OF UNION

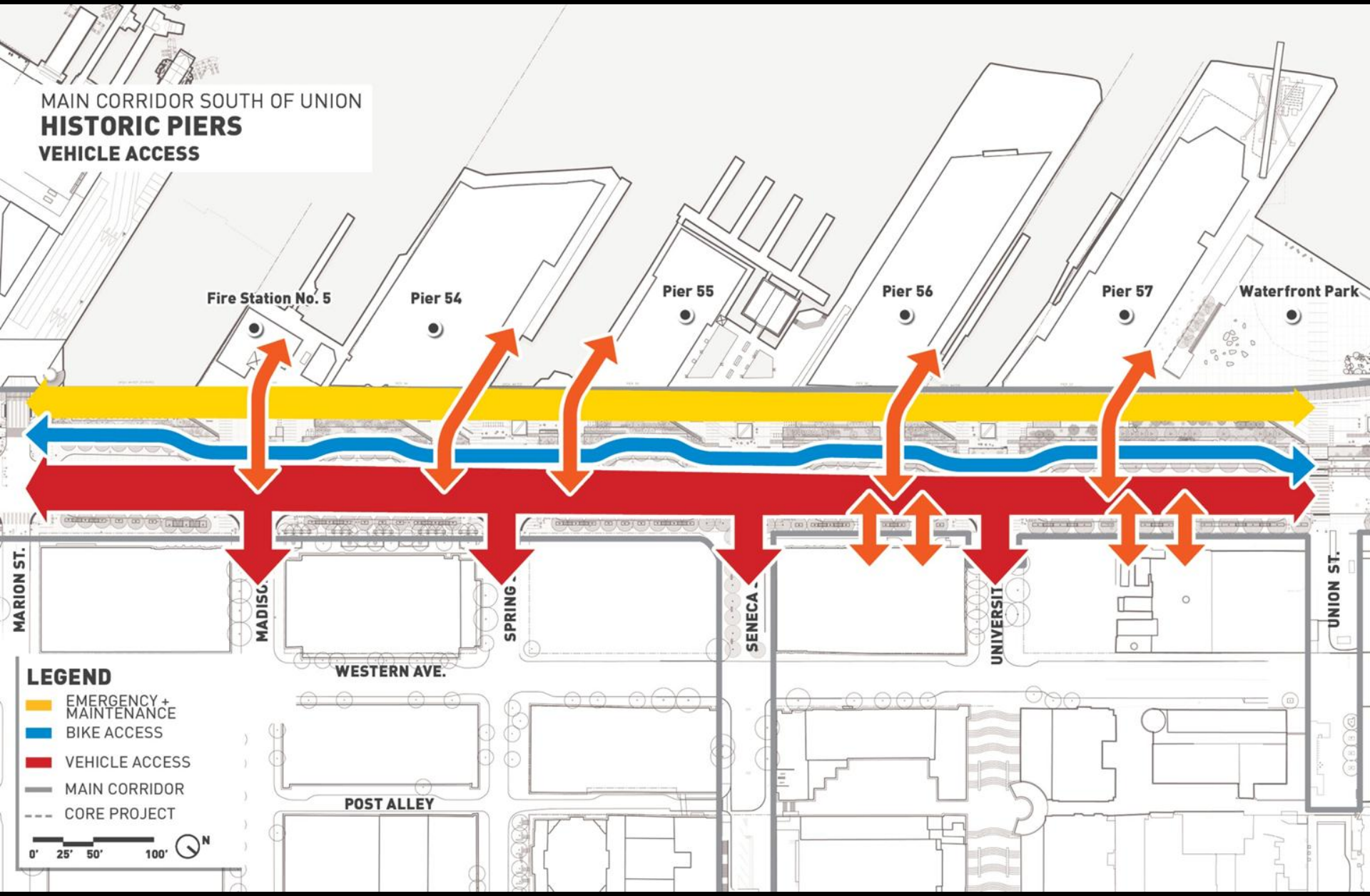
COLUMBIA STREET

LEAN WALL




MAIN CORRIDOR SOUTH OF UNION
HISTORIC PIERS
NOVEMBER 2013
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
1 PROMENADE
2 SOCIAL INTERSECTION
3 PLANTING
4 EAST-SIDE PUBLIC REALM
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N

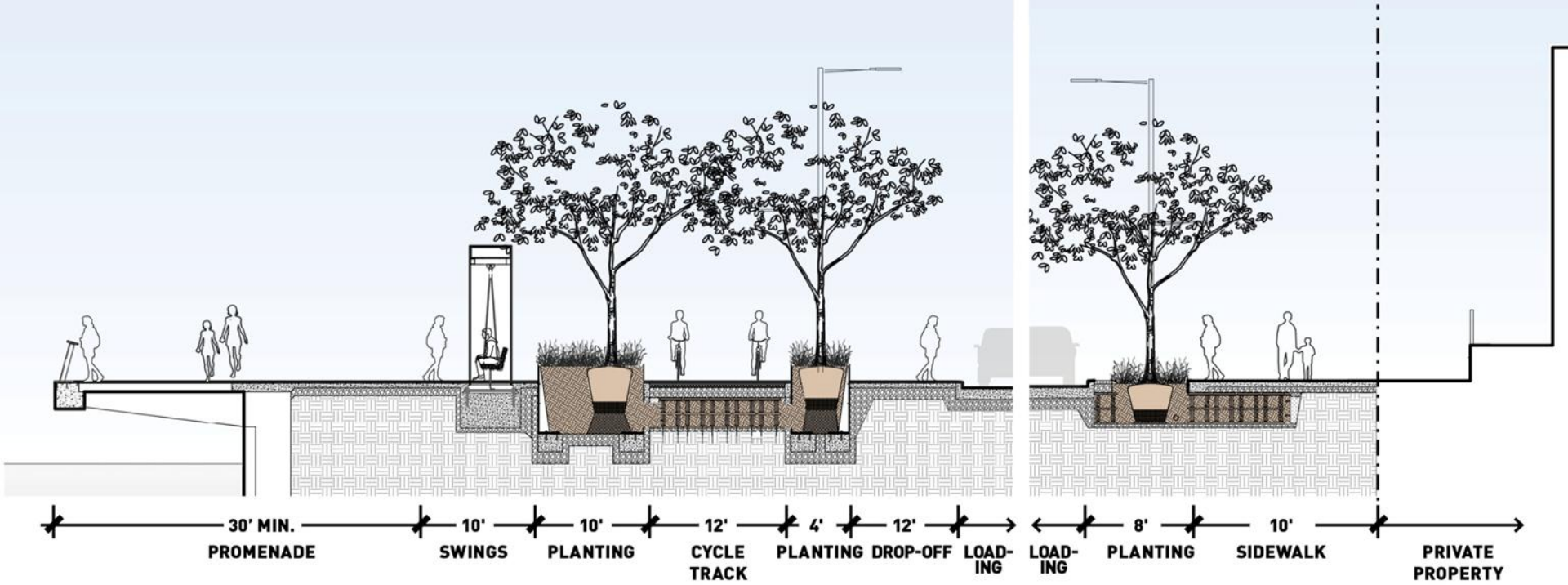

MAIN CORRIDOR SOUTH OF UNION
HISTORIC PIERS
OPEN SPACES
Colman Dock
Fire Station
Pier 54
Pier 55
Pier 56
Pier 57
Great Wheel
ALASKAN WAY
ISON ST.
SPRING ST.
SENECA ST.
UNIVERSITY ST.
UNION ST.
WESTERN AVE.
POST ALLEY
LEGEND
PEDESTRIAN OPEN SPACE
PIER SLIP
STRUCTURES
PLANTING
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N


MAIN CORRIDOR SOUTH OF UNION
HISTORIC PIERS
VEHICLE ACCESS
Fire Station No. 5
Pier 54
Pier 55
Pier 56
Pier 57
Waterfront Park
MARION ST.
MADISO
SPRING
SENECA
UNIVERSIT
UNION ST.
WESTERN AVE.
POST ALLEY
LEGEND
EMERGENCY + MAINTENANCE
BIKE ACCESS
VEHICLE ACCESS
MAIN CORRIDOR
CORE PROJECT
0' 25' 50' 100'
N

MAIN CORRIDOR SOUTH OF UNION

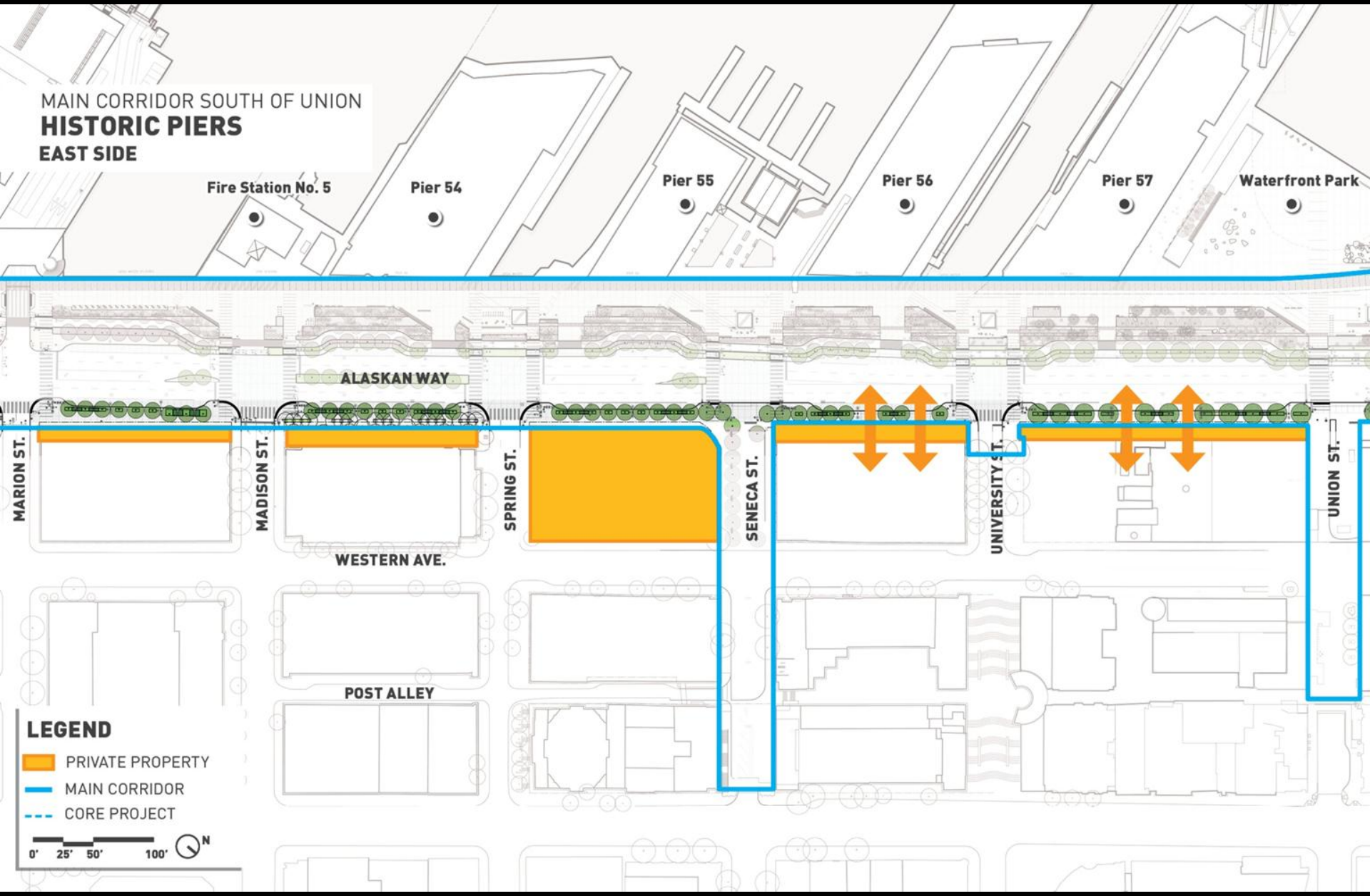
HISTORIC PIERS

SECTION AT FIREHOUSE SLIP



WEST SIDE

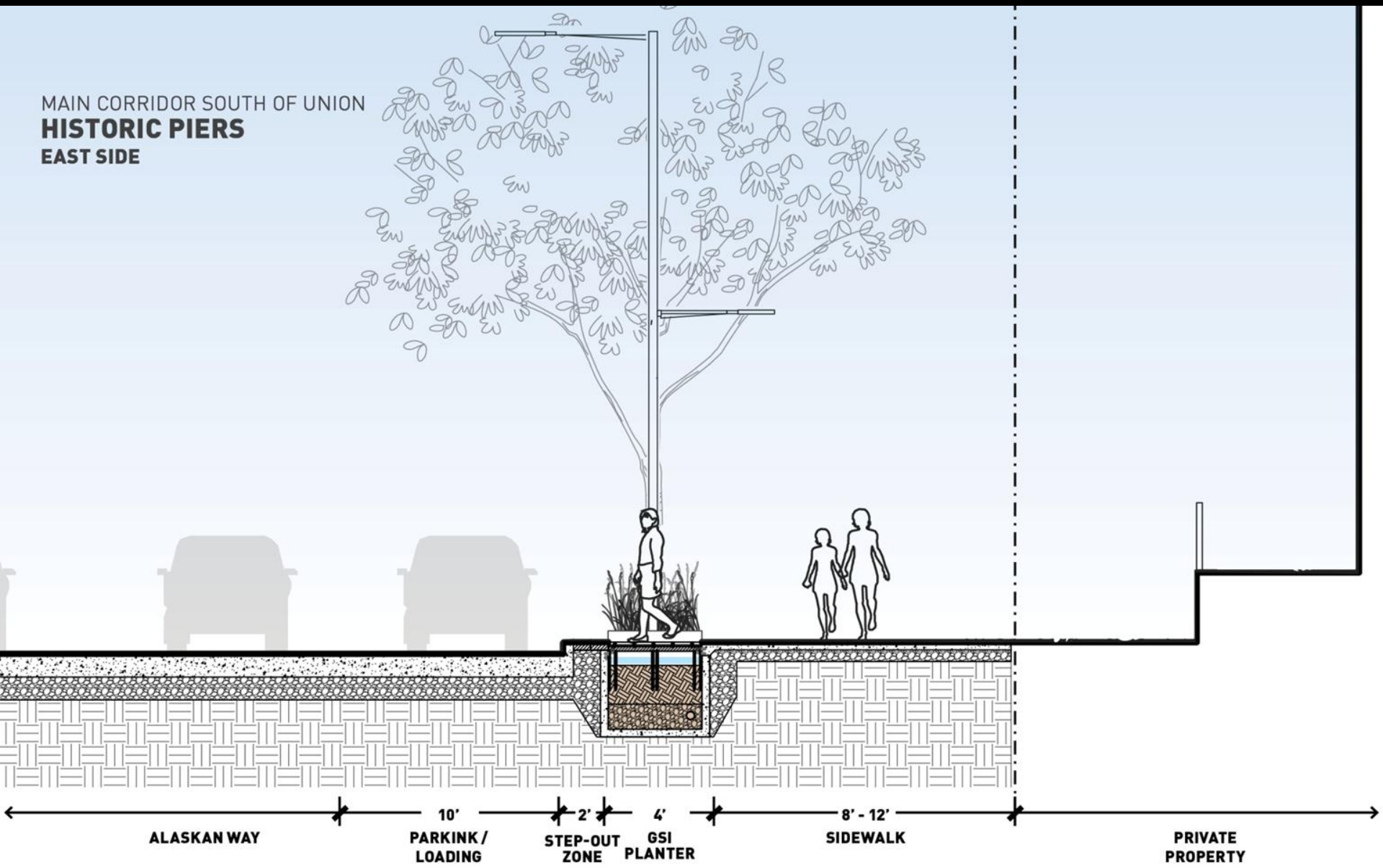
EAST SIDE


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
0' 25' 50' 100'
N

MAIN CORRIDOR SOUTH OF UNION

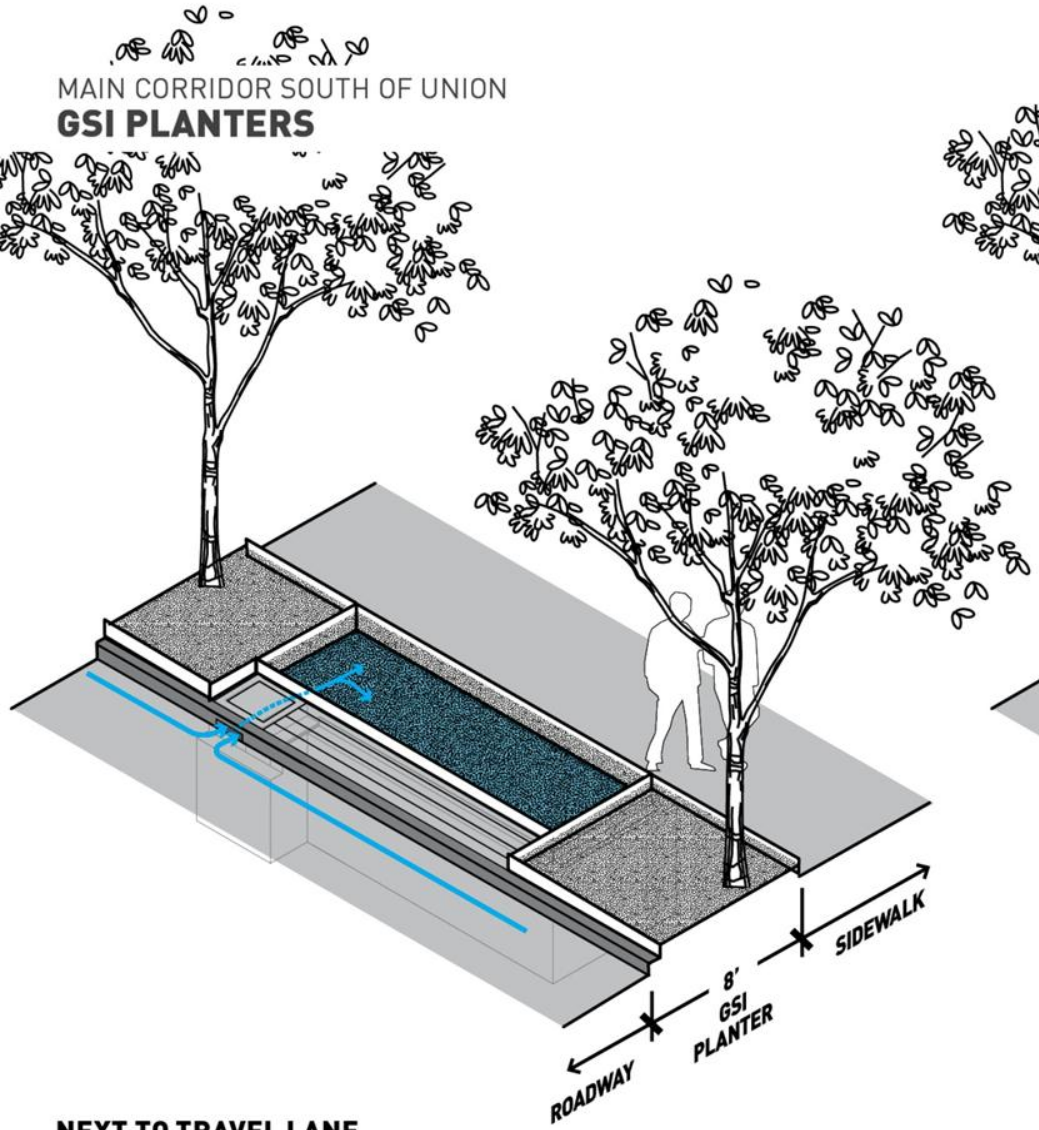
HISTORIC PIERS

EAST SIDE

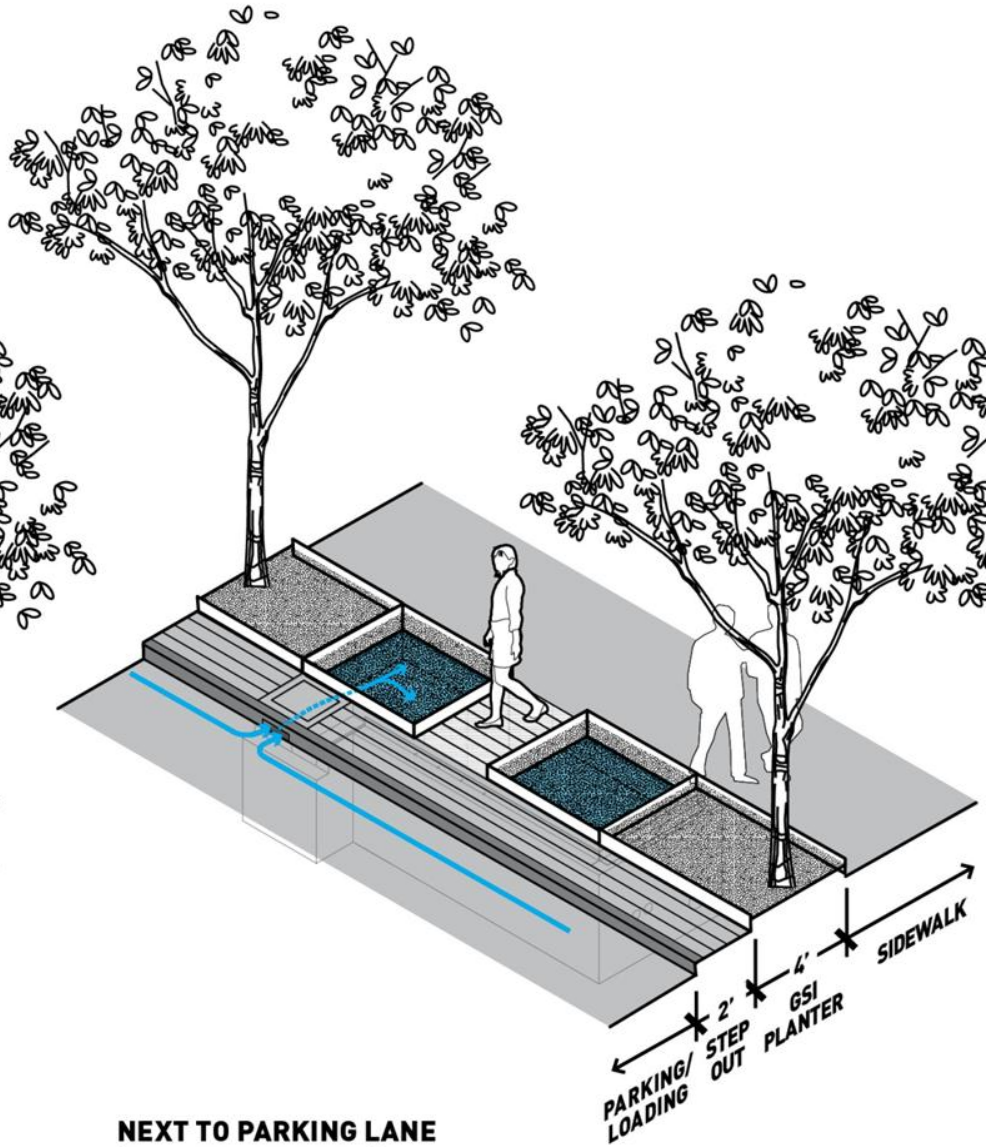


MAIN CORRIDOR SOUTH OF UNION

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

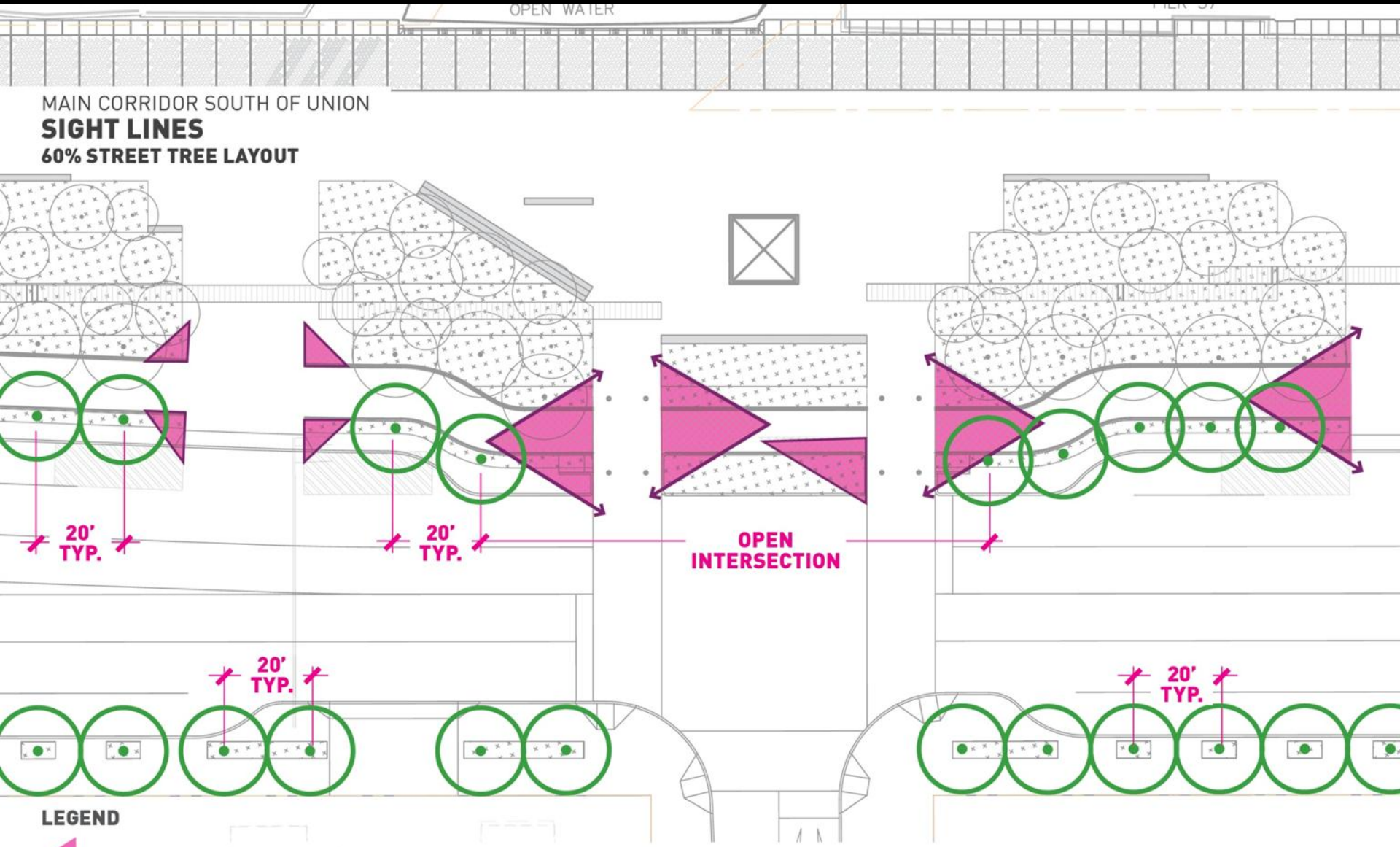
TECHNICAL CONFLICTS + CITY REQUIREMENTS

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

MAIN CORRIDOR SOUTH OF UNION

SIGHT LINES

60% STREET TREE LAYOUT



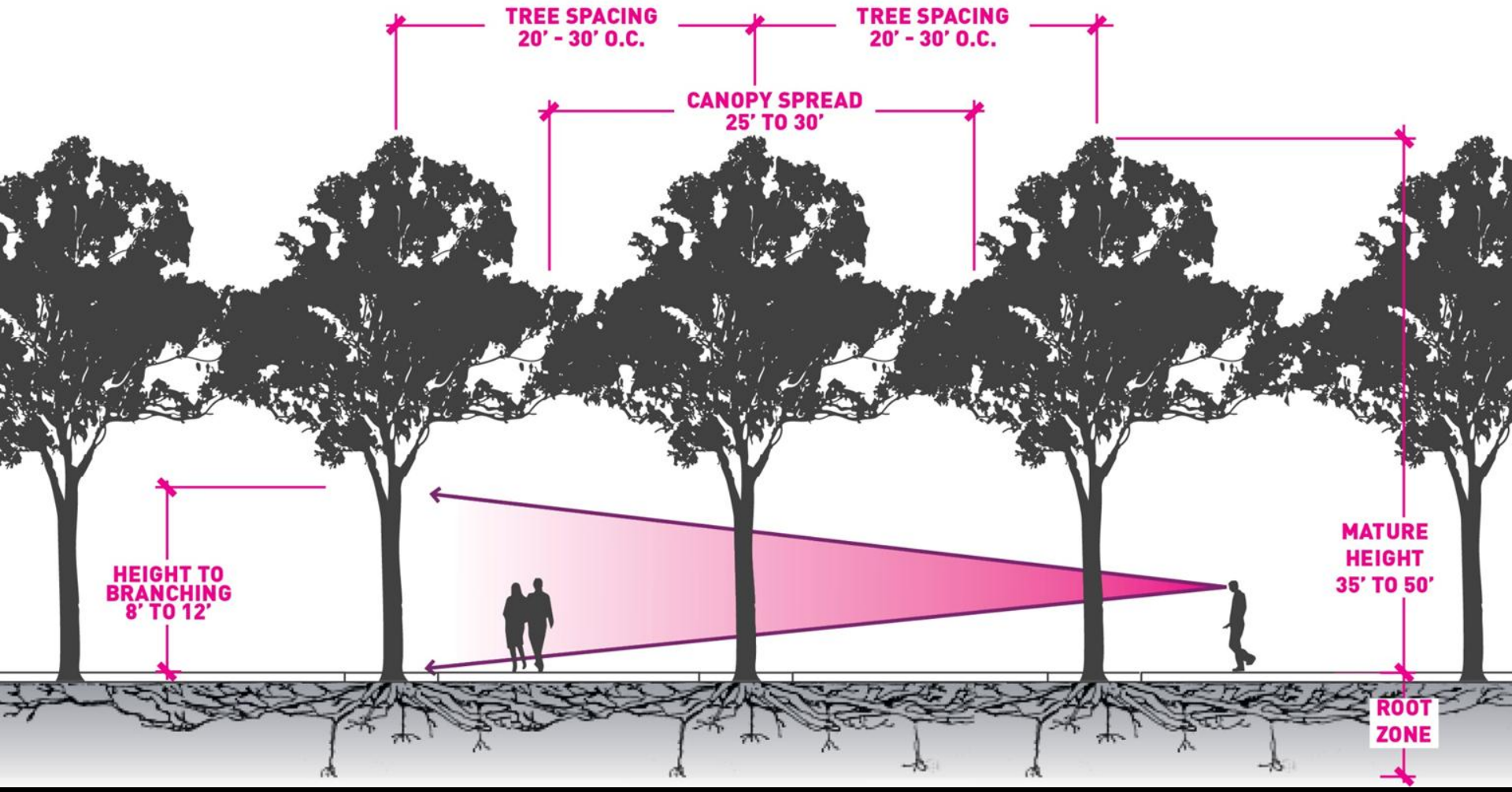
LEGEND

Sight Triangles (Cycle Track)

MAIN CORRIDOR SOUTH OF UNION

SIGHT LINES

TREE SPACING, HEIGHT TO BRANCHING + SPREAD

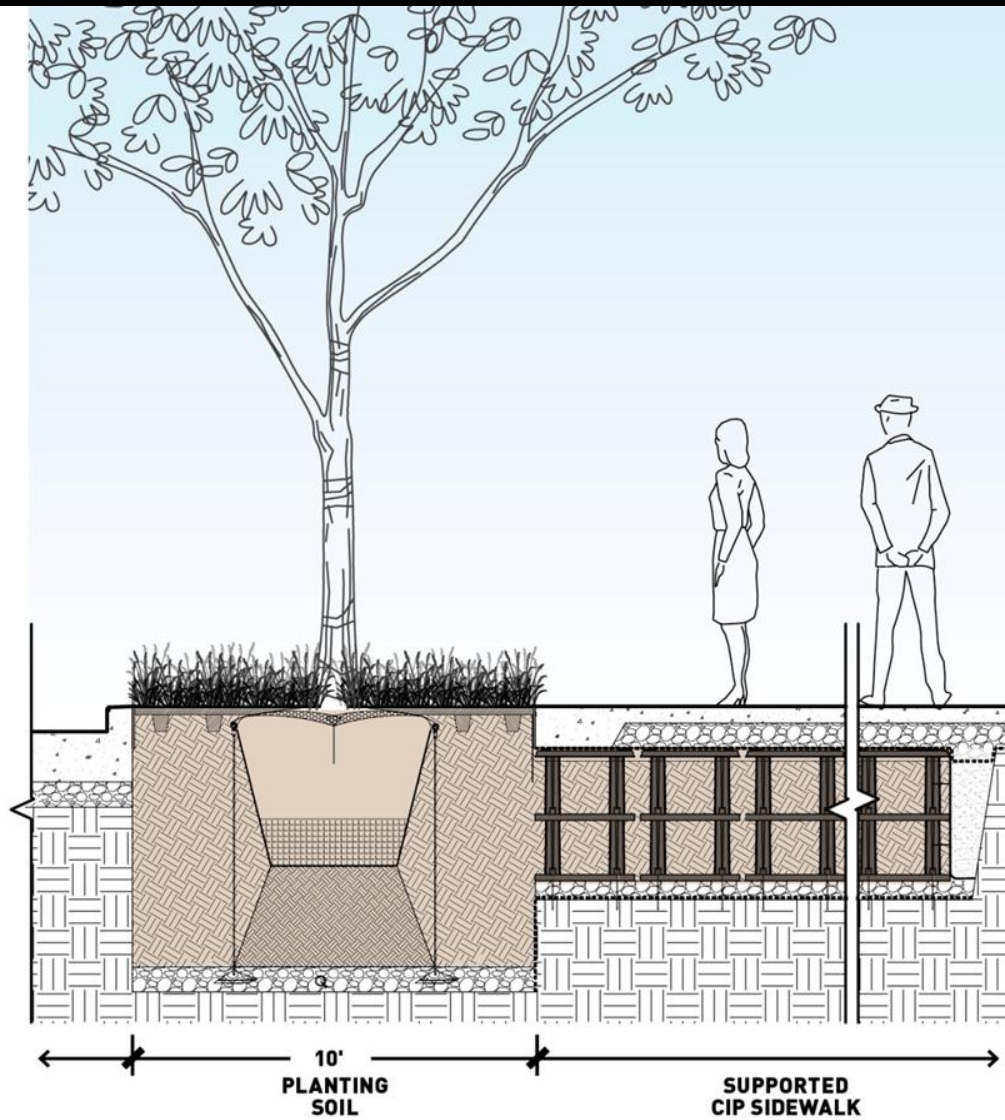


MAIN CORRIDOR SOUTH OF UNION

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

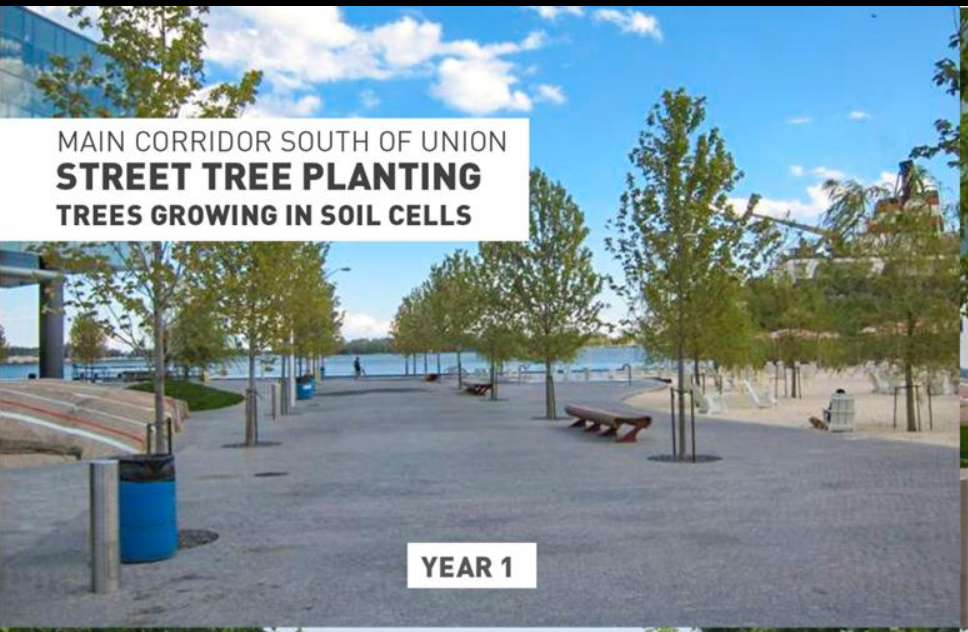
STREET TREE PLANTING

TREES GROWING IN STRUCTURAL SOIL

MAIN CORRIDOR SOUTH OF UNION

STREET TREE PLANTING

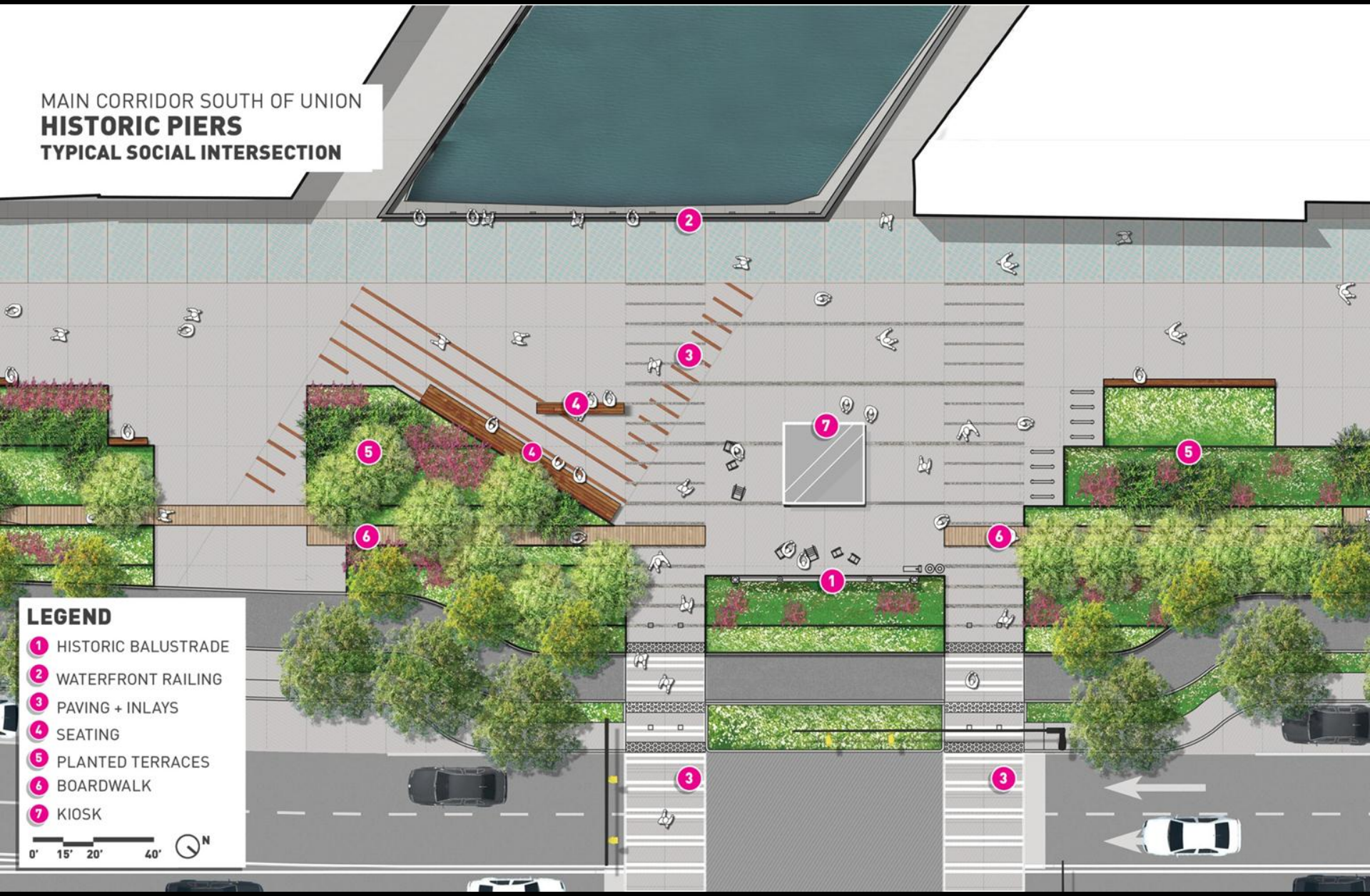
TREES GROWING IN SOIL CELLS



MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

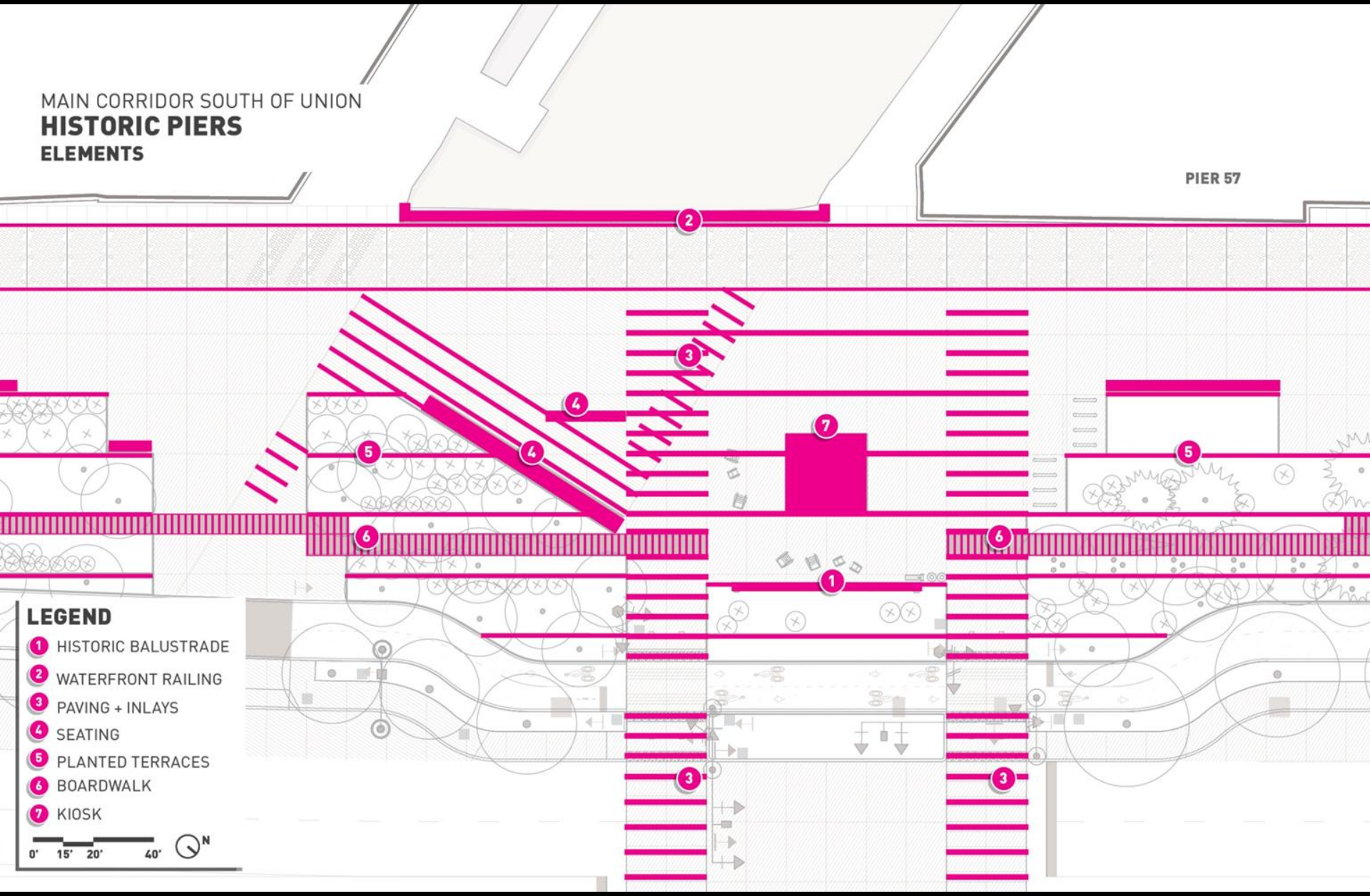
TYPICAL SOCIAL INTERSECTION



MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

ELEMENTS



MAIN CORRIDOR SOUTH OF UNION

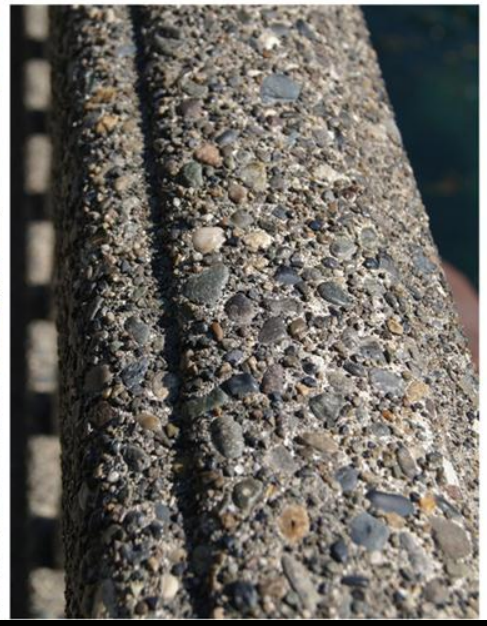
HISTORIC BALUSTRADE

EXISTING CONDITION

BALUSTRADE AT PIER 69 - 1937

DISTINCT POST DETAIL

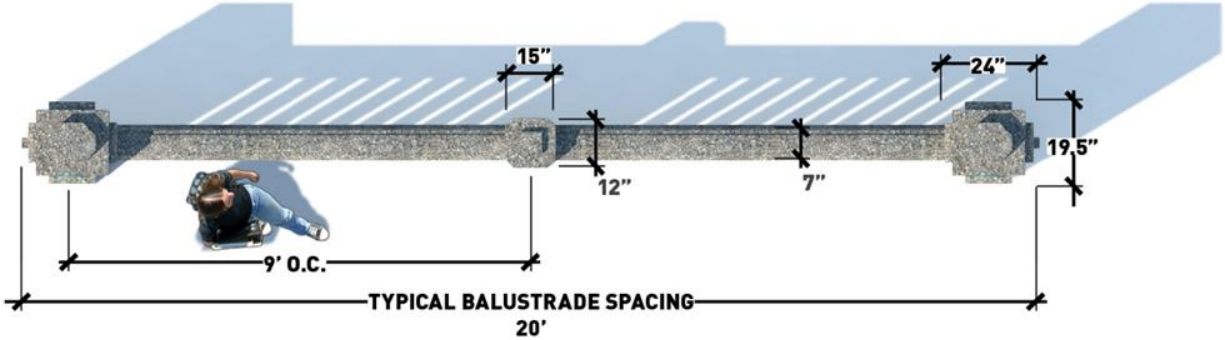
UNIQUE JOINTS

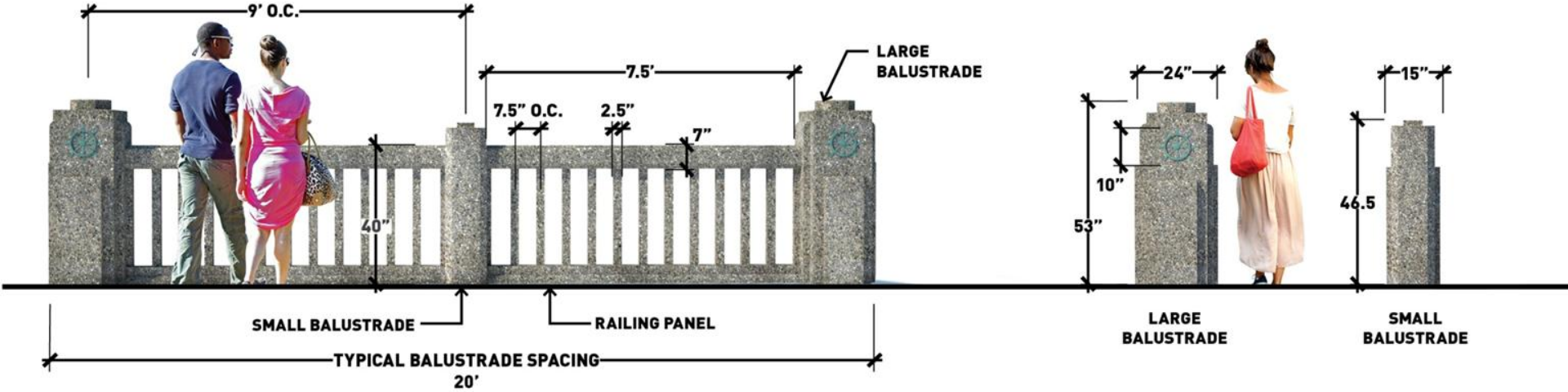


MAIN CORRIDOR SOUTH OF UNION

HISTORIC BALUSTRADE

TYPICAL DIMENSIONS

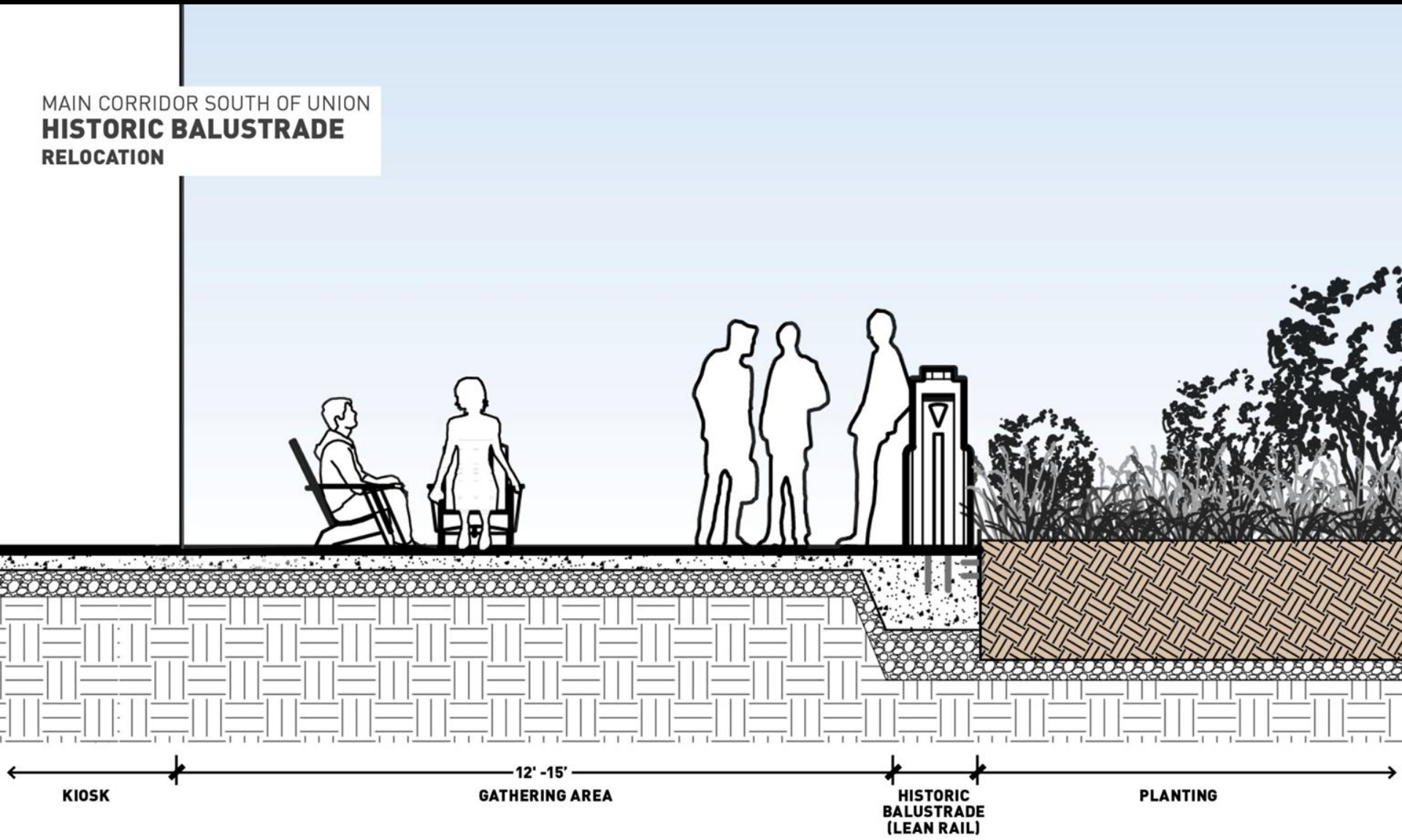




MAIN CORRIDOR SOUTH OF UNION

HISTORIC BALUSTRADE

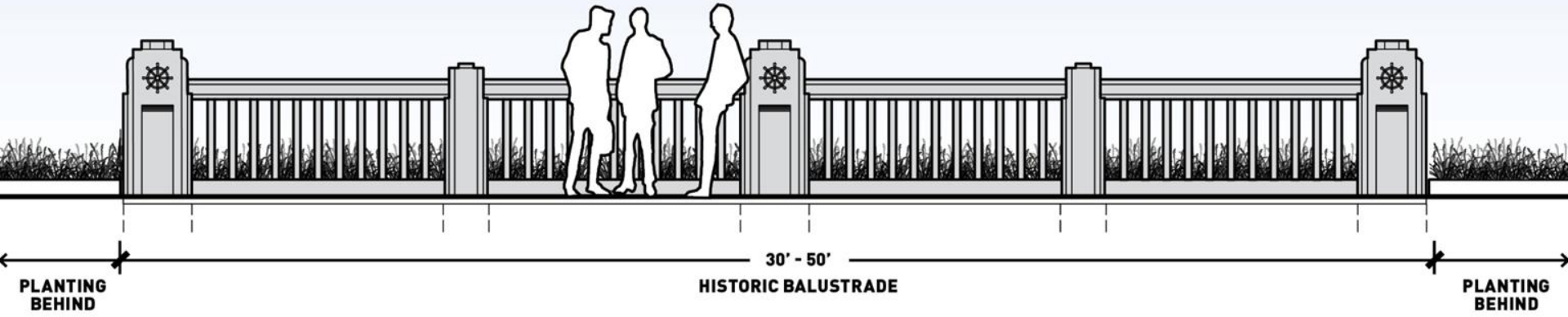
RELOCATION



MAIN CORRIDOR SOUTH OF UNION

HISTORIC BALUSTRADE

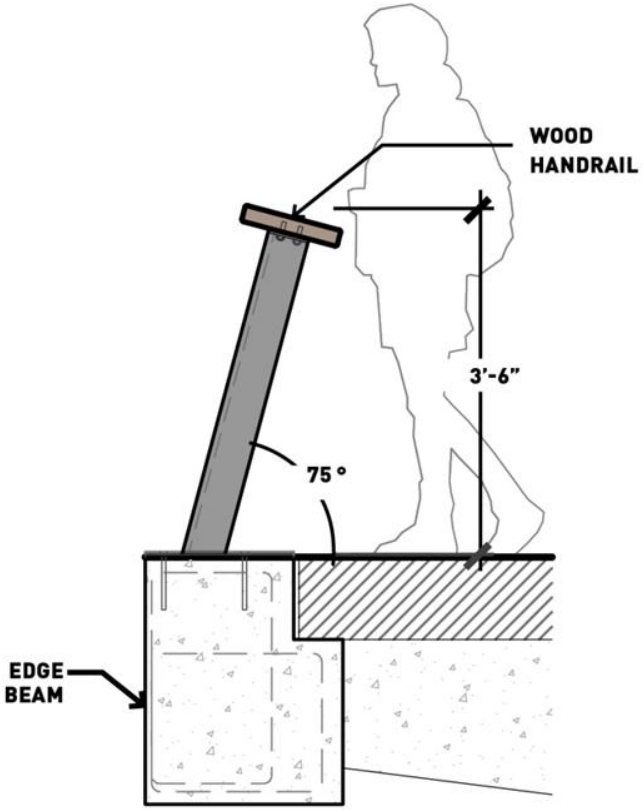
SOCIAL INTERSECTION



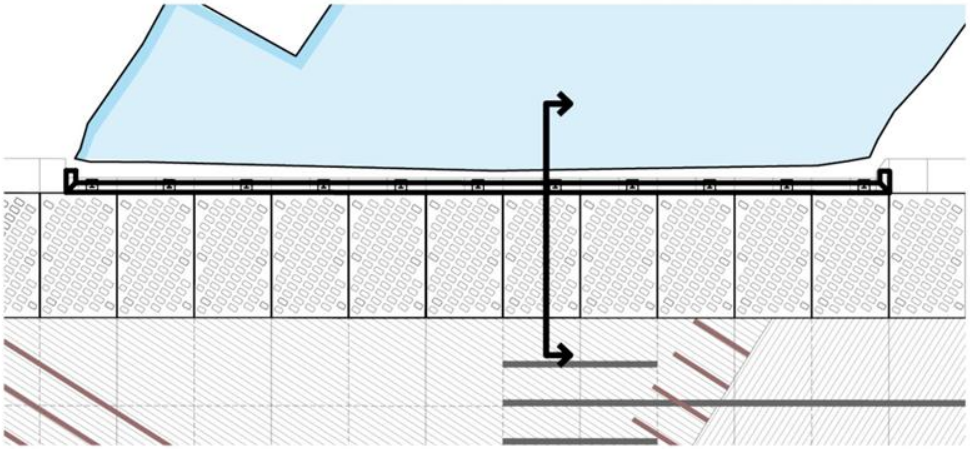
MAIN CORRIDOR SOUTH OF UNION

WATERFRONT RAILING

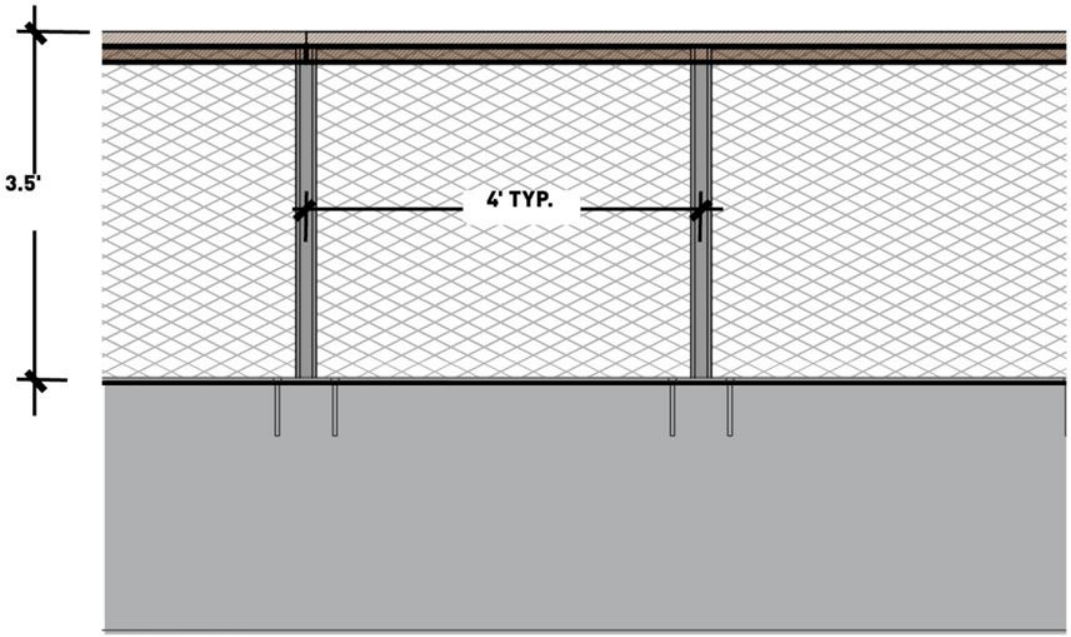
TYPICAL DIMENSIONS



SECTION



PLAN

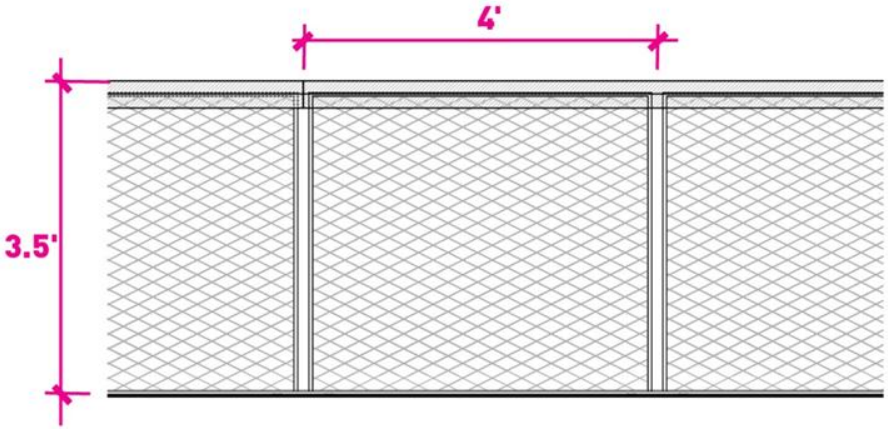


ELEVATION

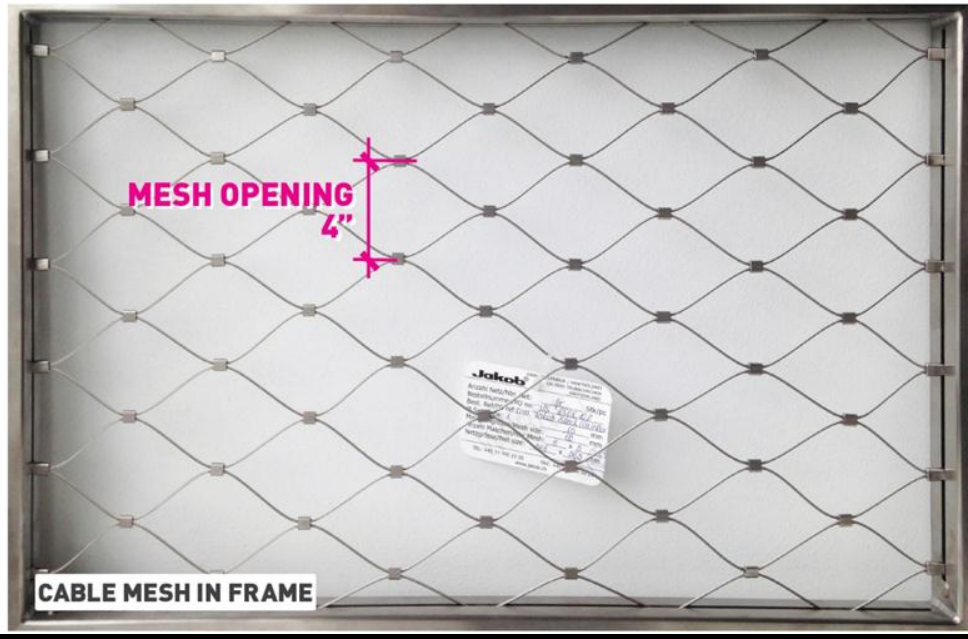
MAIN CORRIDOR SOUTH OF UNION

WATERFRONT RAILING

FRAME + INFILL



DETAIL - CABLE MESH INFILL



MAIN CORRIDOR SOUTH OF UNION

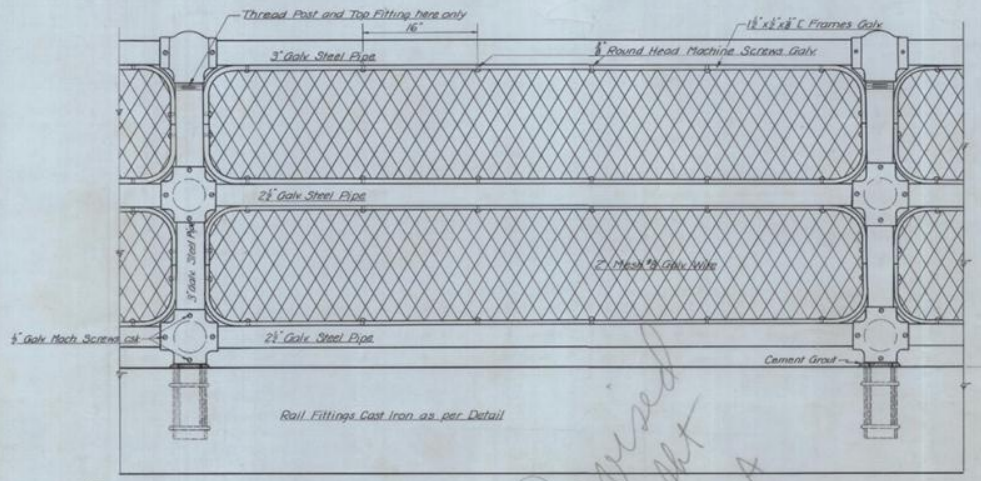
WATERFRONT RAILING

FISHERMAN'S NET

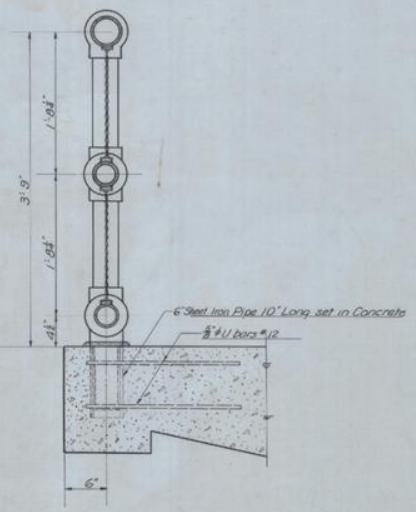
MAIN CORRIDOR SOUTH OF UNION

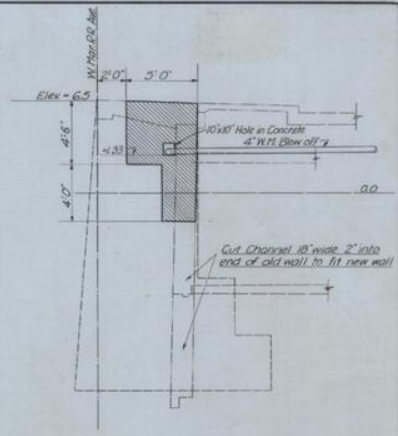
WATERFRONT RAILING

CITY REFERENCE



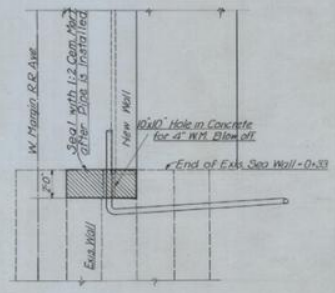
Revised see sht 17-A



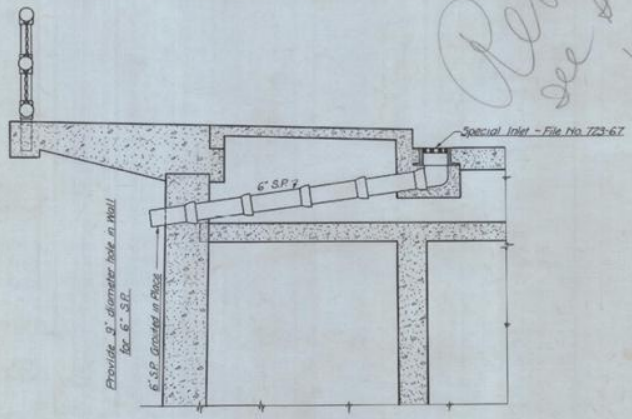


ELEVATION AT STA. 0+33

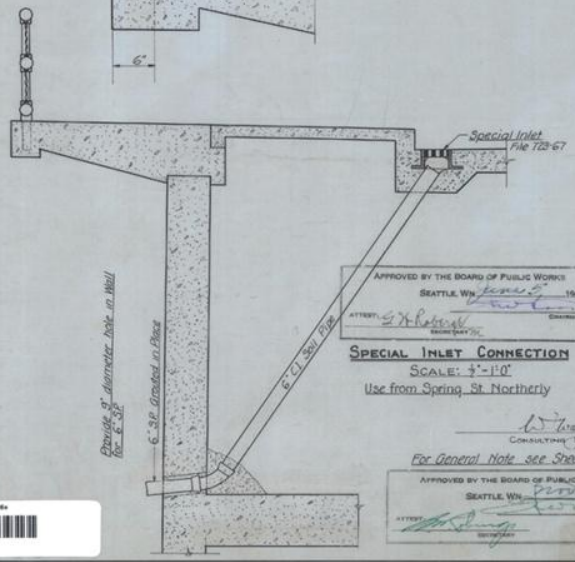
Note: Hatching indicates block of Concrete to close gap at Junction



PLAN
JUNCTION AT END OF EXIS. WALL
¼" = 1'-0"



SPECIAL INLET CONNECTION
SCALE: ¼"=1'-0"
Use between Madison St. and Spring St.



APPROVED BY THE BOARD OF PUBLIC WORKS
SEATTLE, WN. June 5 1933
ATTEST: G. W. Robinson, SECRETARY
CHAIRMAN

SPECIAL INLET CONNECTION
SCALE: ¼"=1'-0"
Use from Spring St. Northerly

W. Tiny
CONSULTING ENGINEER

For General Note see Sheet No. 10

APPROVED BY THE BOARD OF PUBLIC WORKS
SEATTLE, WN. June 30 1933
ATTEST: [illegible] SECRETARY
CHAIRMAN

SCALE: ½" = 1'-0"

THE CITY OF SEATTLE
OFFICE OF THE CITY ENGINEER
BRIDGE DIVISION
H. D. SYLLIASEN, CITY ENGINEER — DATE JULY 1, 1932

Railroad Avenue
SEA WALL
Res. No. 10954 — Ordinance No. 62123
L.I.D. 5339 — Approved Jan. 12, 1932

RAILING DETAILS

DRAWN	TRACED	CHECKED	O.K.
Quinn	Blanco		[illegible]

APPROVED — Nov 25-1932 — O. A. Chen

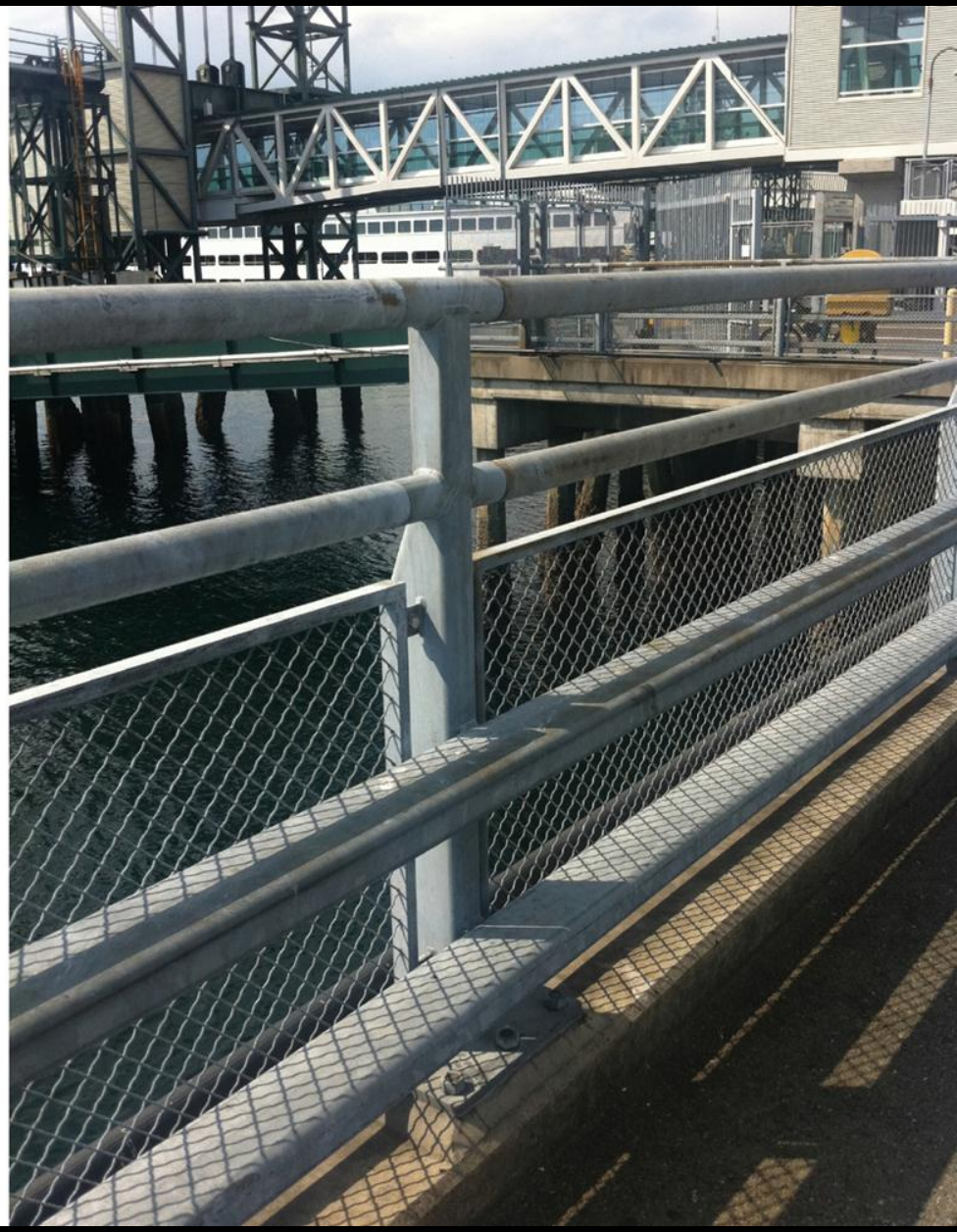
DRAWING NO.	FILE NO.	SHEET NO.
1027	418-46	17

Property of City of Seattle
418-46-17

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

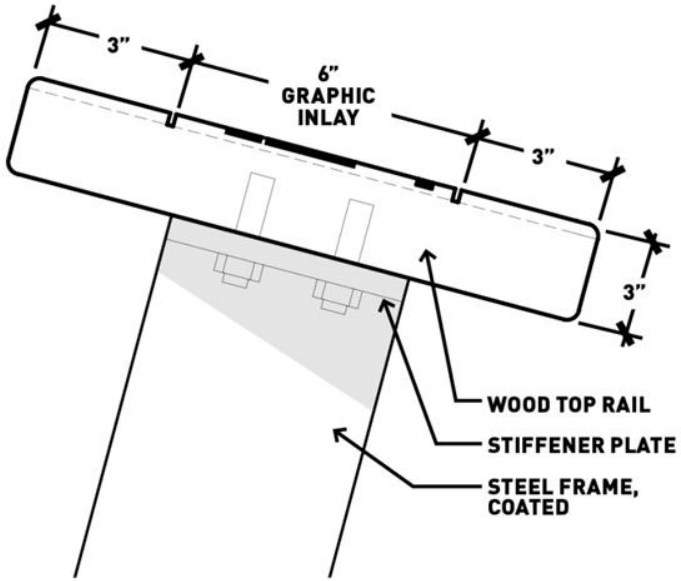
WATERFRONT RAILING

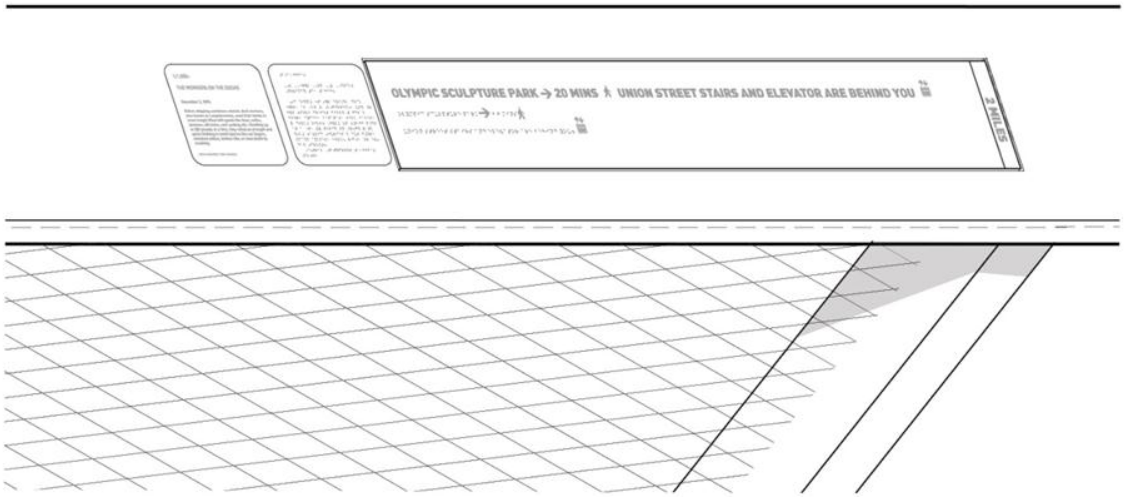
SEA WALL EKKI WOOD

MAIN CORRIDOR SOUTH OF UNION

WATERFRONT RAILING

HANDRAIL

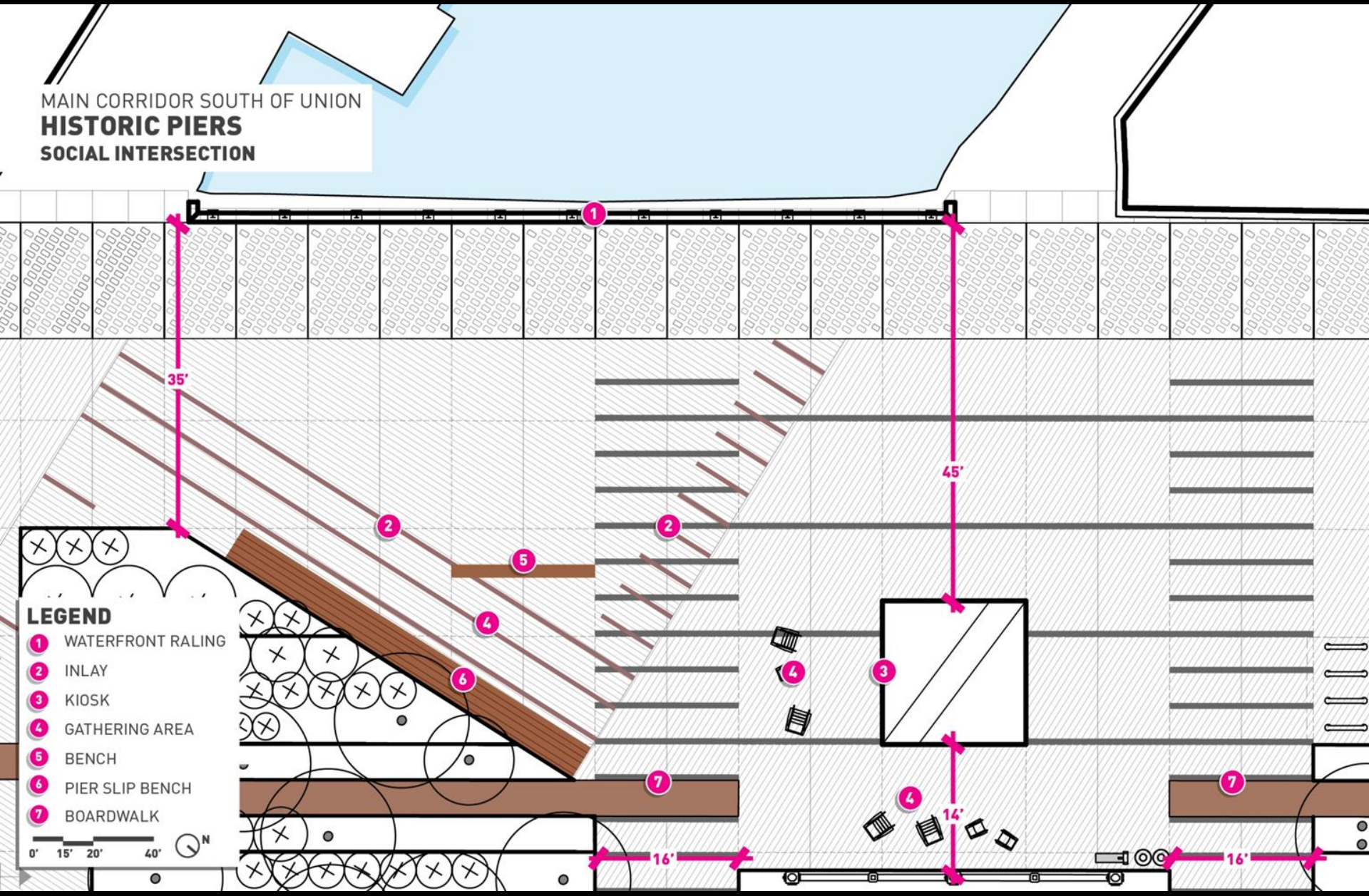




MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

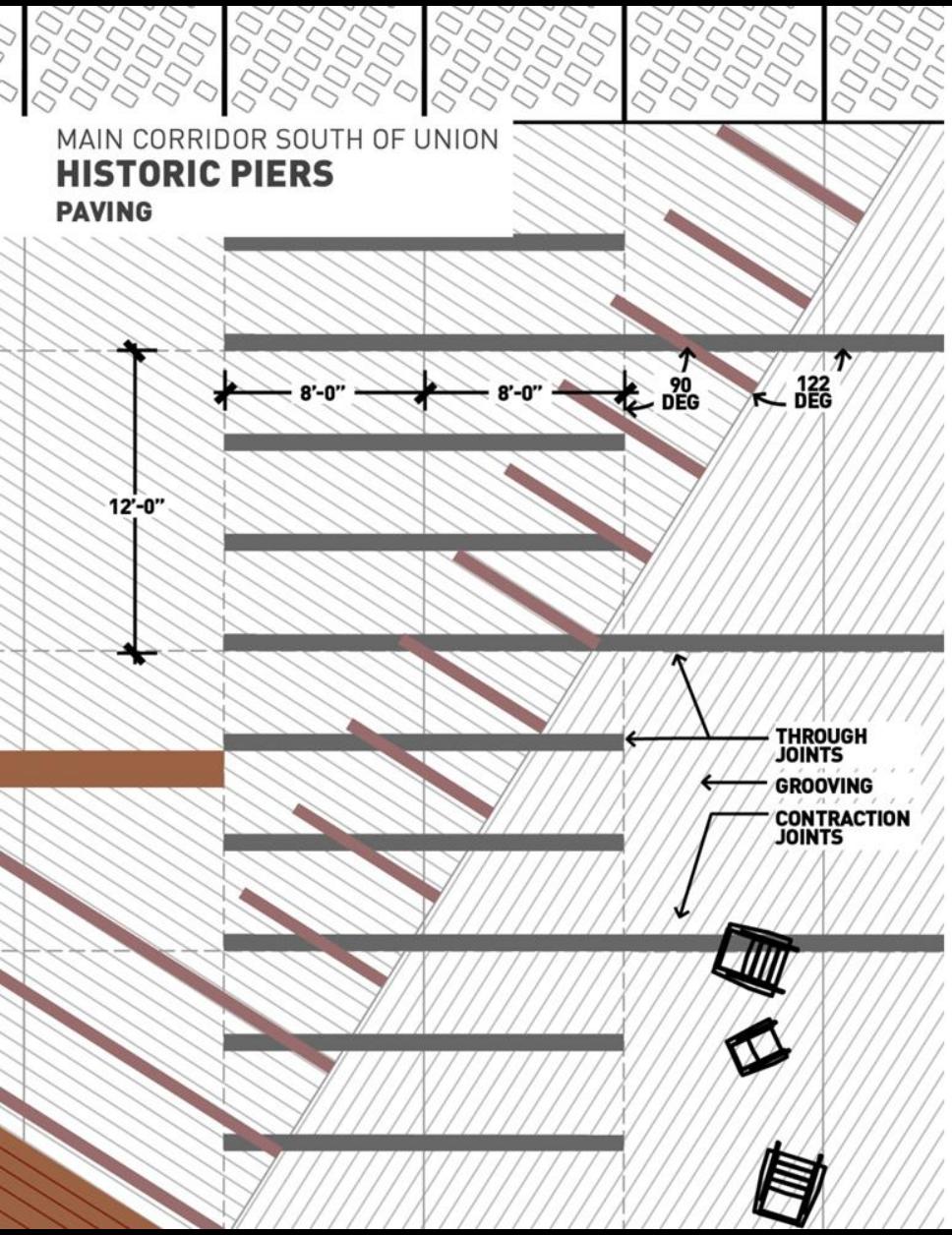
SOCIAL INTERSECTION

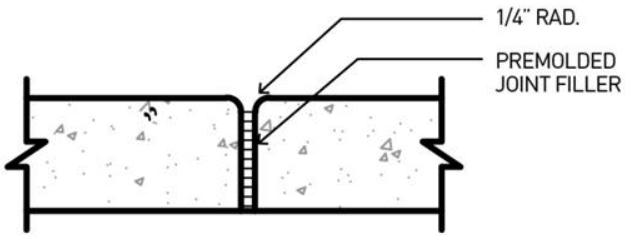


MAIN CORRIDOR SOUTH OF UNION

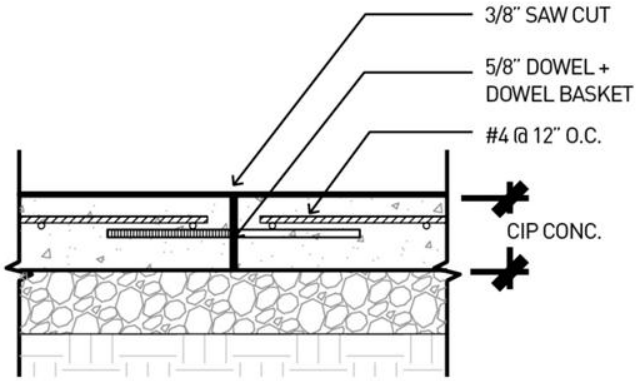
HISTORIC PIERS

PAVING

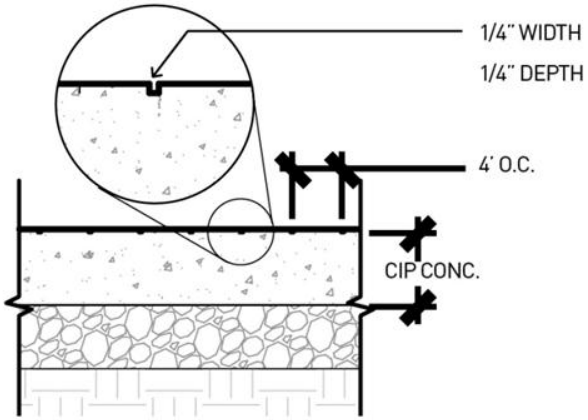




STD. COS THROUGH JOINT



DOWELED THROUGH JOINT



GROOVING

GROOVED

ROUGH BROOM

ROUGH GROOVED

EXPOSED AGGREGATE

PUGET SOUND AGGREGATE

SMOOTHED AGGREGATE

UNFINISHED

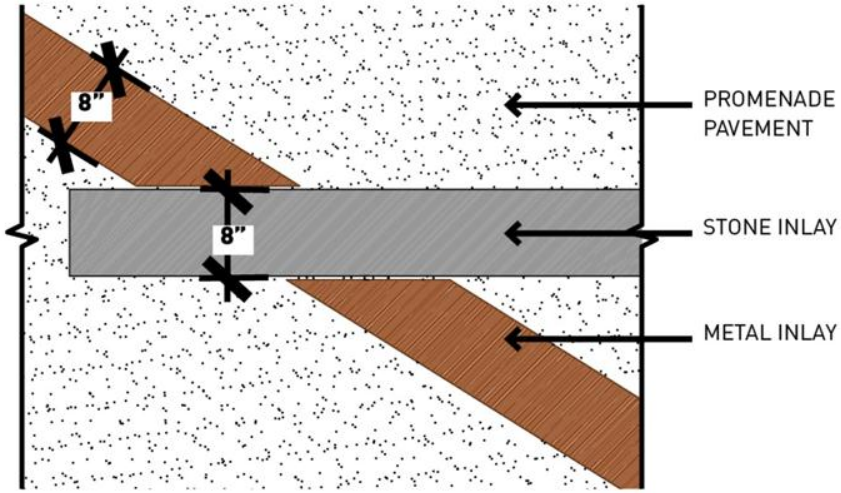
FORM FINISH

PORT

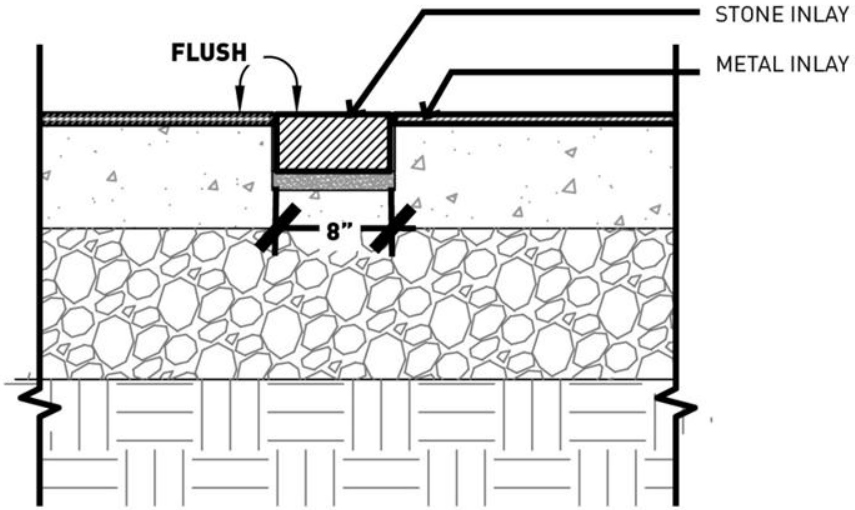
MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

INLAYS



PLAN



SECTION

MAIN CORRIDOR SOUTH OF UNION

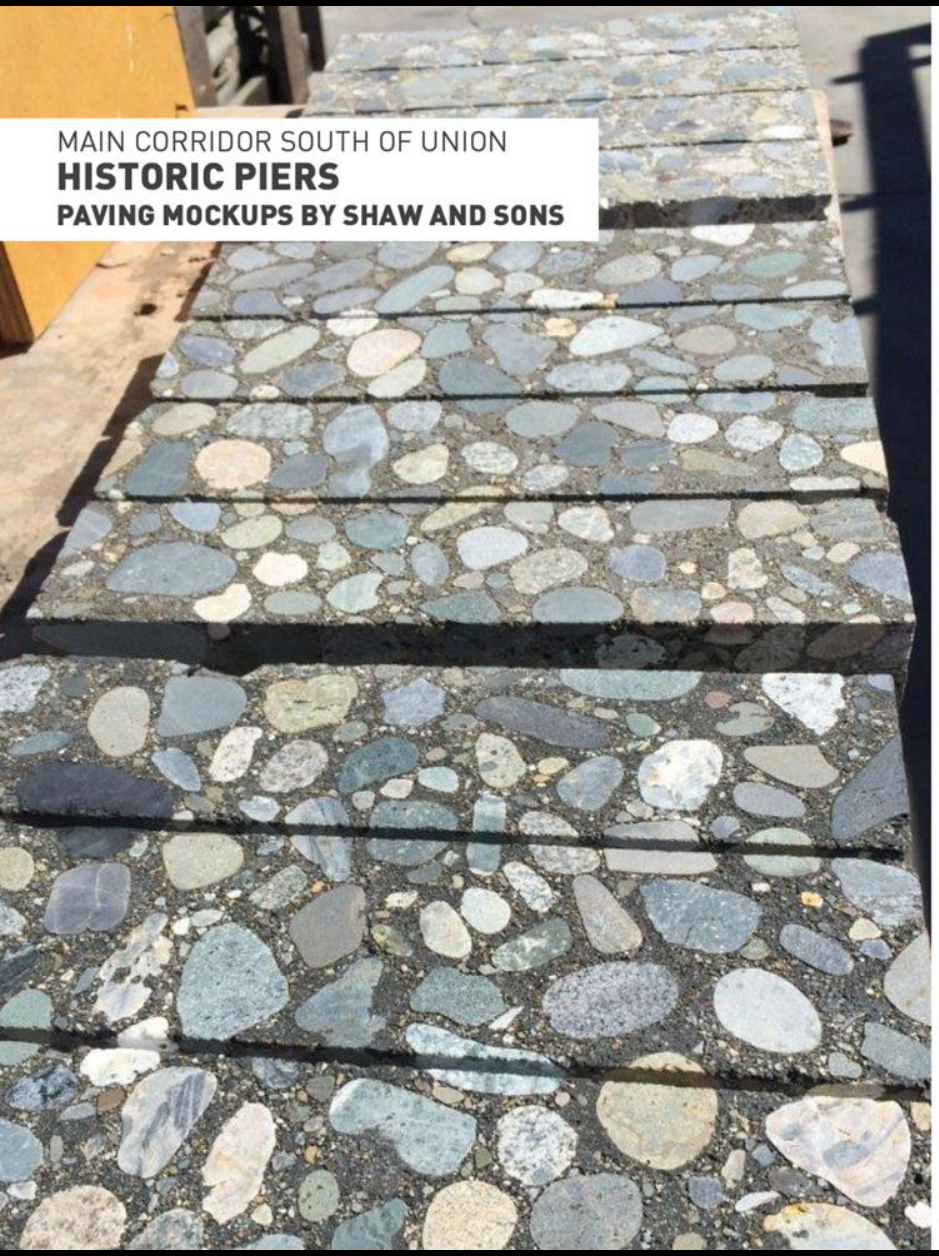
HISTORIC PIERS

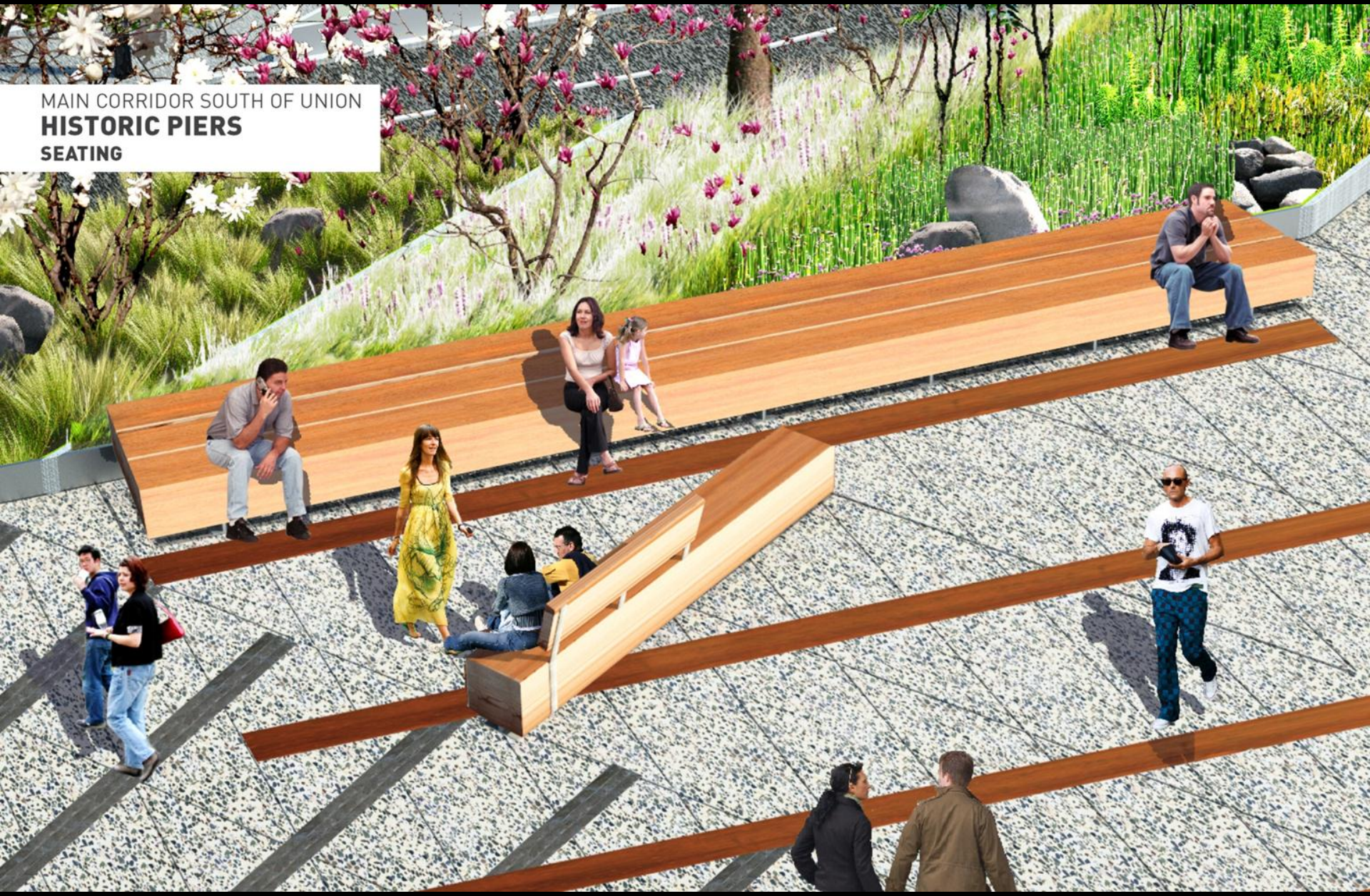
INLAY MOCK-UPS BY SHAW AND SONS

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

PAVING MOCKUPS BY SHAW AND SONS




MAIN CORRIDOR SOUTH OF UNION
HISTORIC PIERS
SEATING

MAIN CORRIDOR SOUTH OF UNION

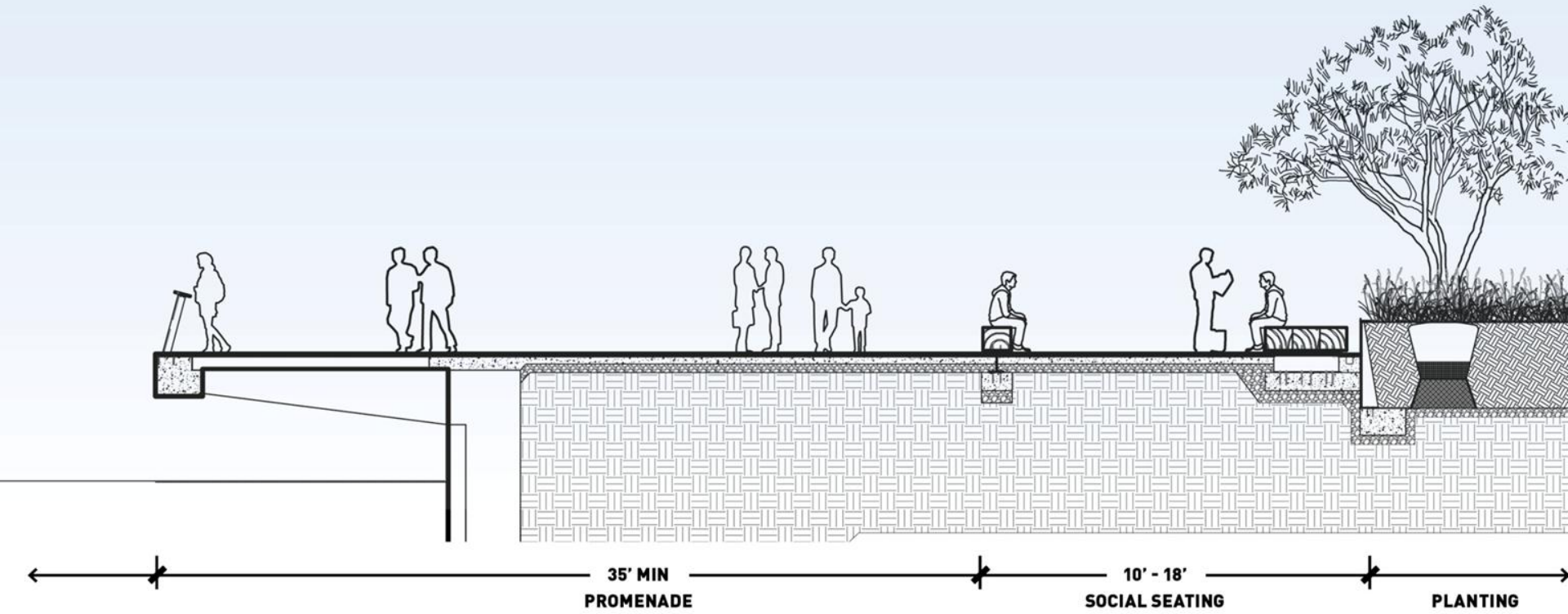
HISTORIC PIERS

SEATING MATERIALS

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

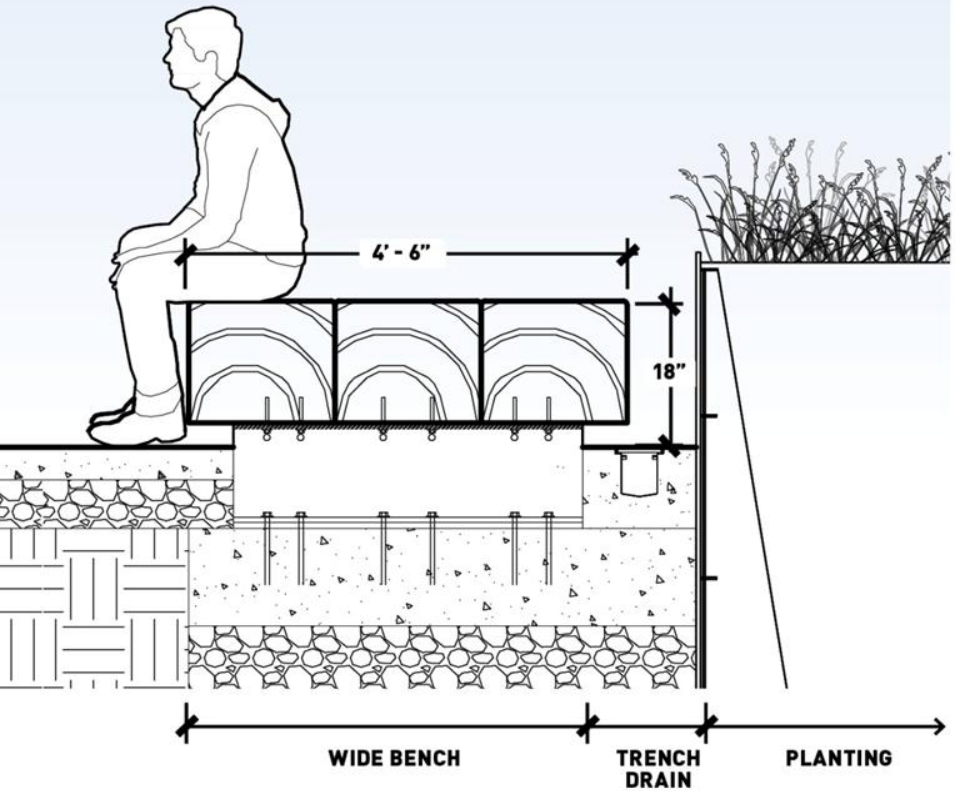
SOCIAL INTERSECTION: WIDE BENCH



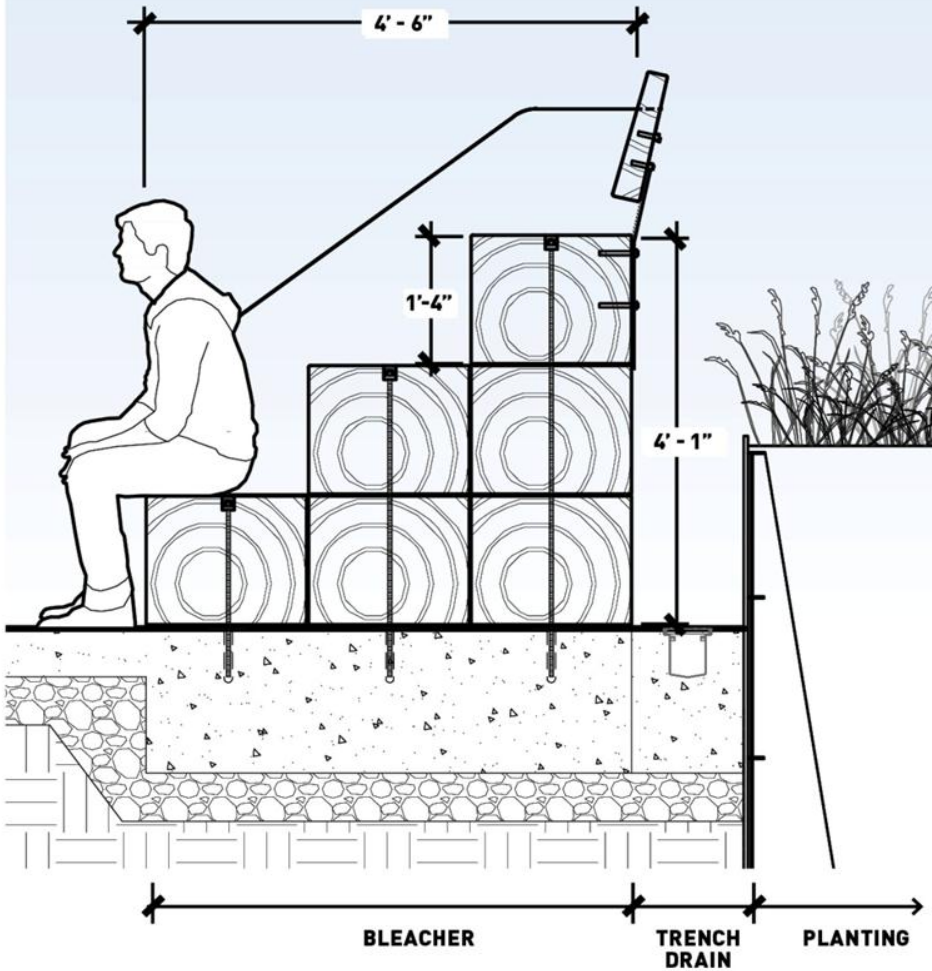
MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

SOCIAL INTERSECTION: BENCHES



WIDE BENCH

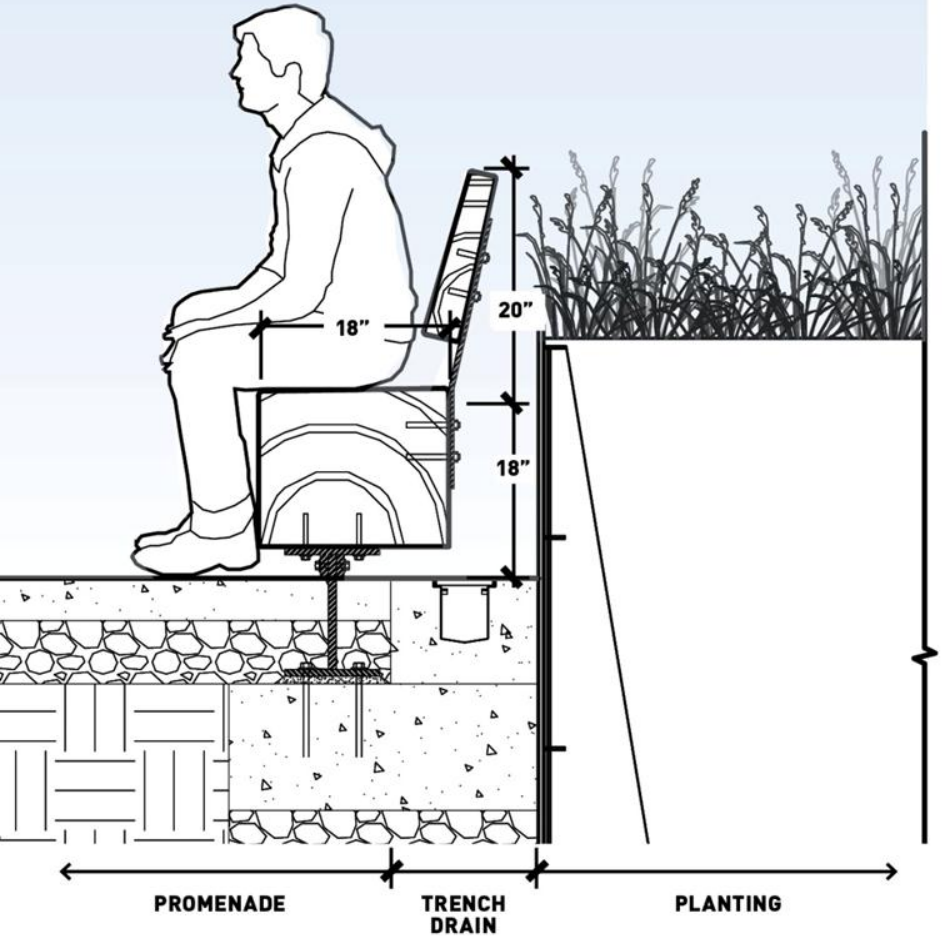


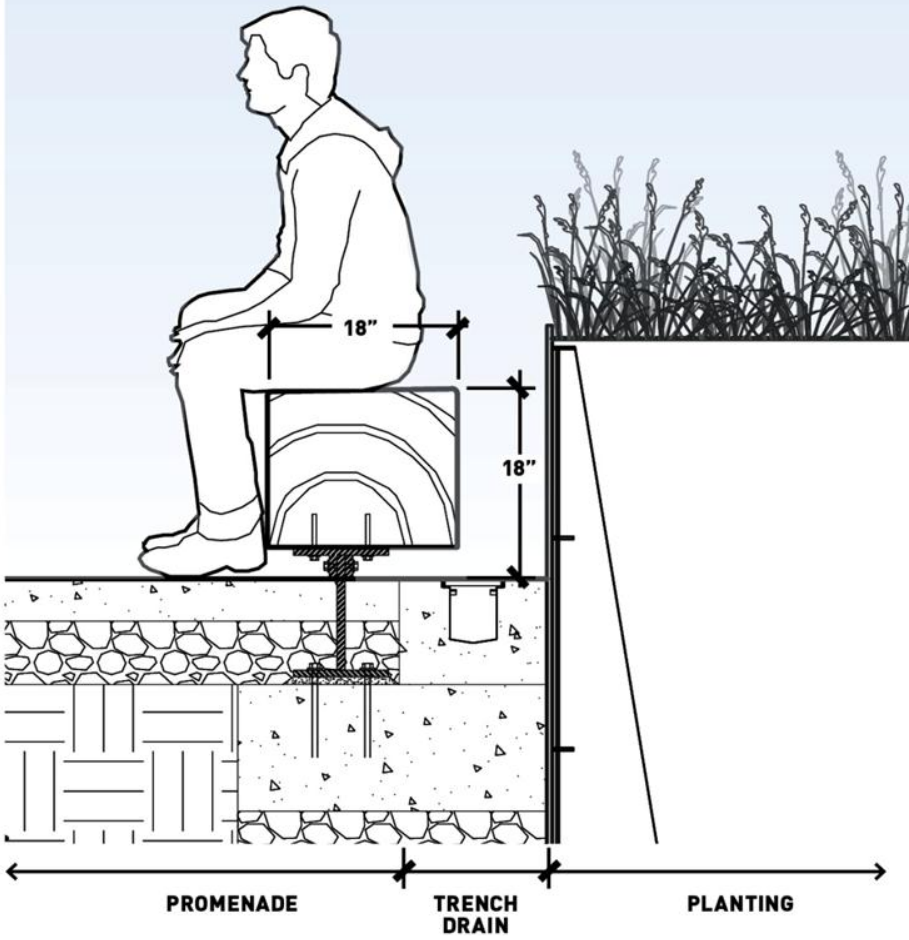
BLEACHER

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

PROMENADE SEATING

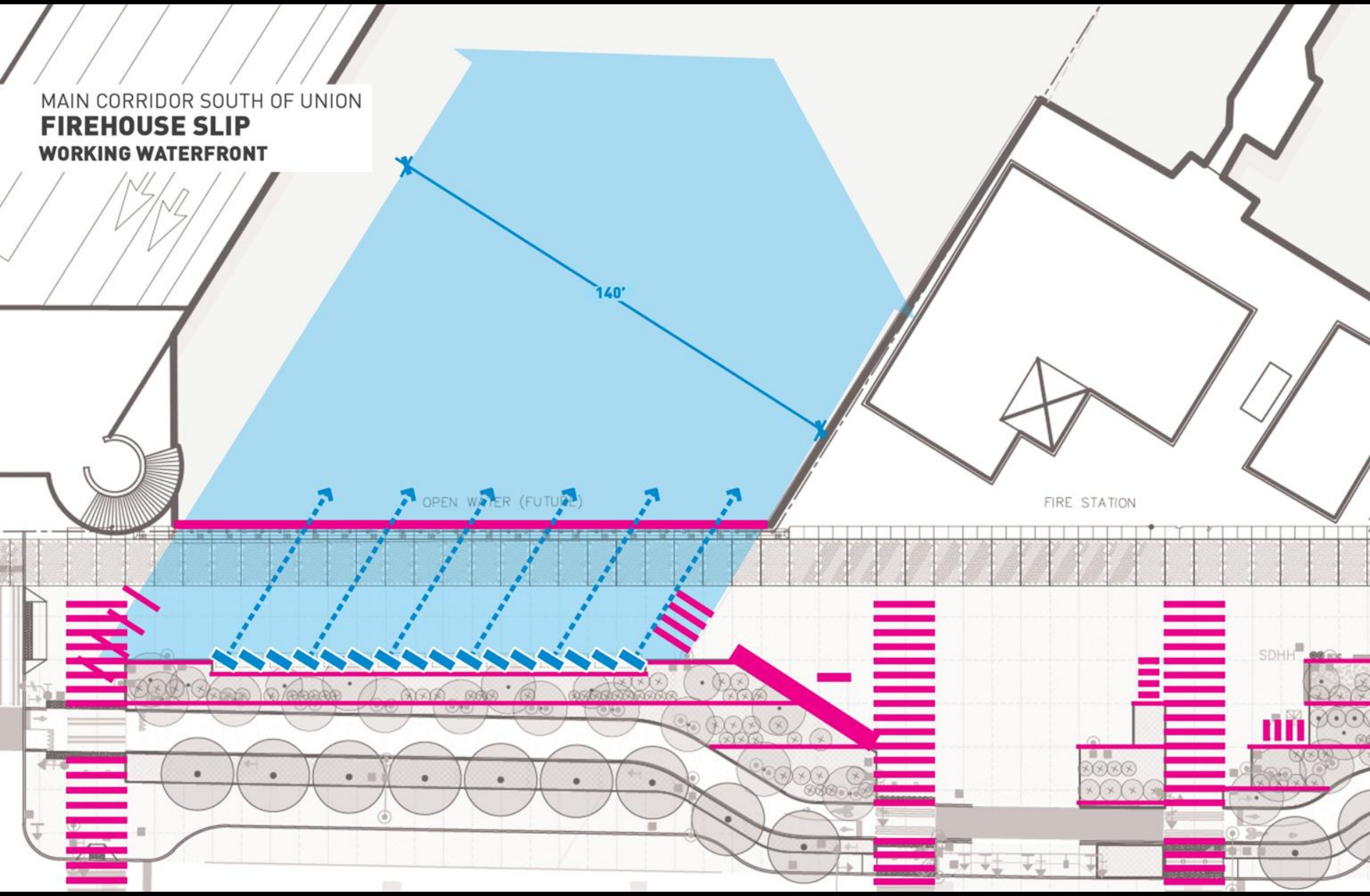




MAIN CORRIDOR SOUTH OF UNION

FIREHOUSE SLIP

WORKING WATERFRONT

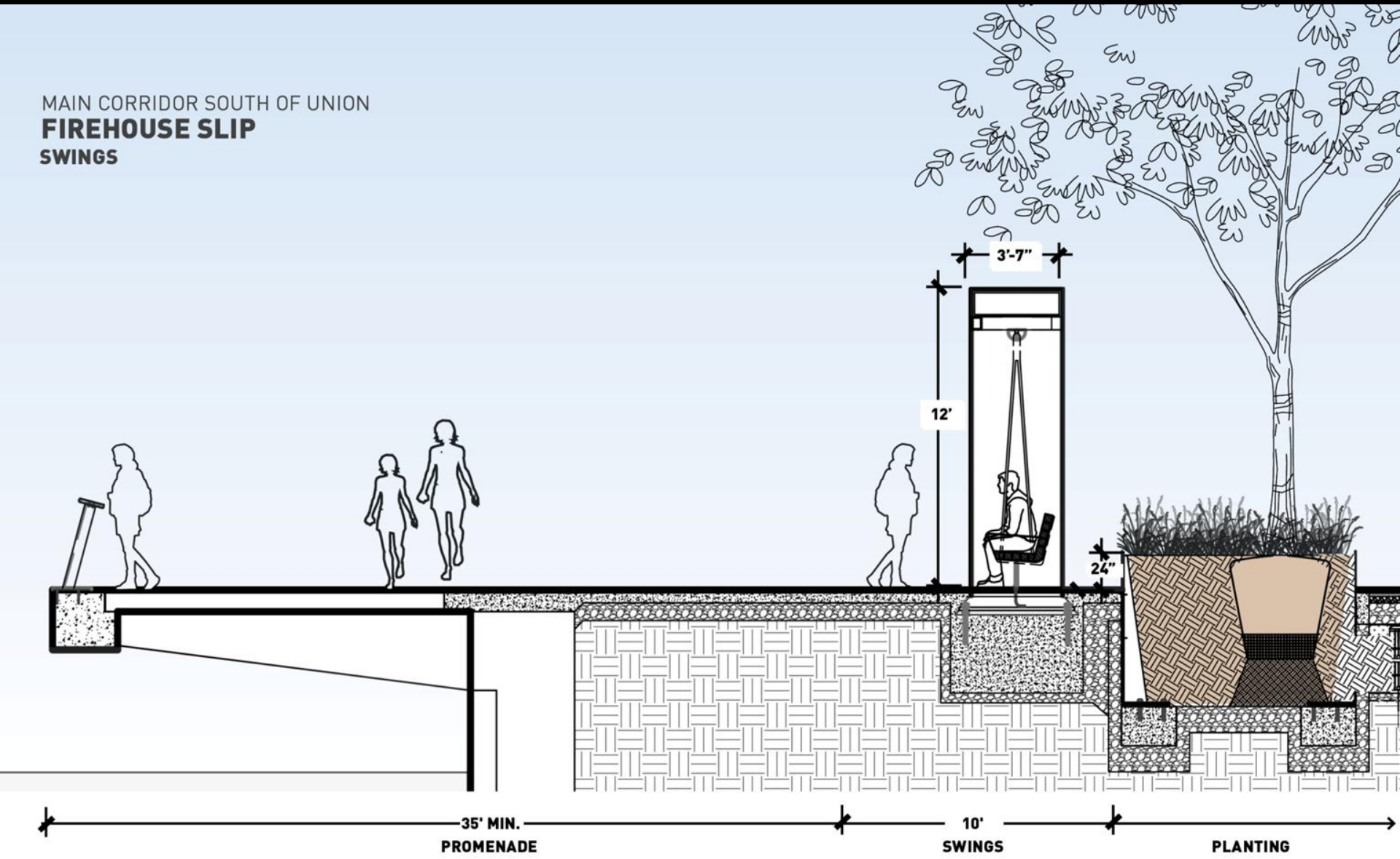


MAIN CORRIDOR SOUTH OF UNION
FIREHOUSE SLIP
WORKING WATERFRONT

MAIN CORRIDOR SOUTH OF UNION

FIREHOUSE SLIP

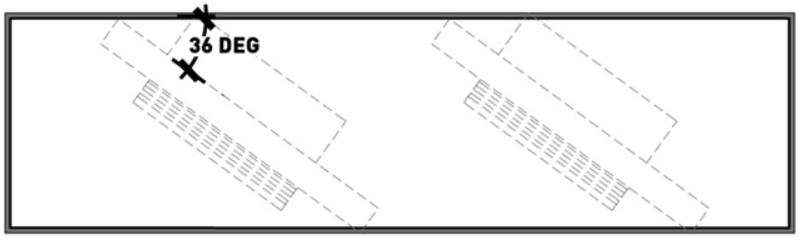
SWINGS



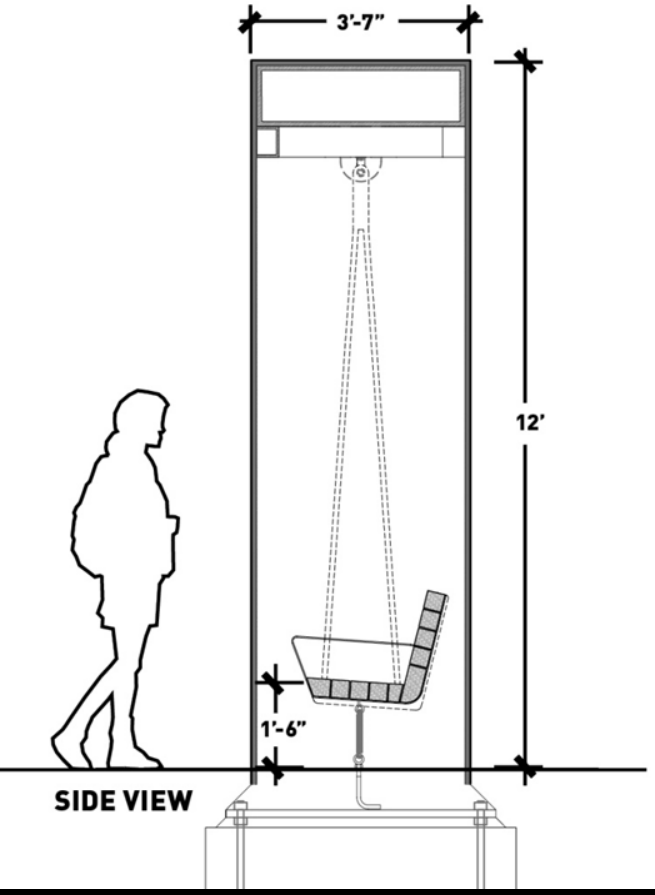
MAIN CORRIDOR SOUTH OF UNION

FIREHOUSE SLIP

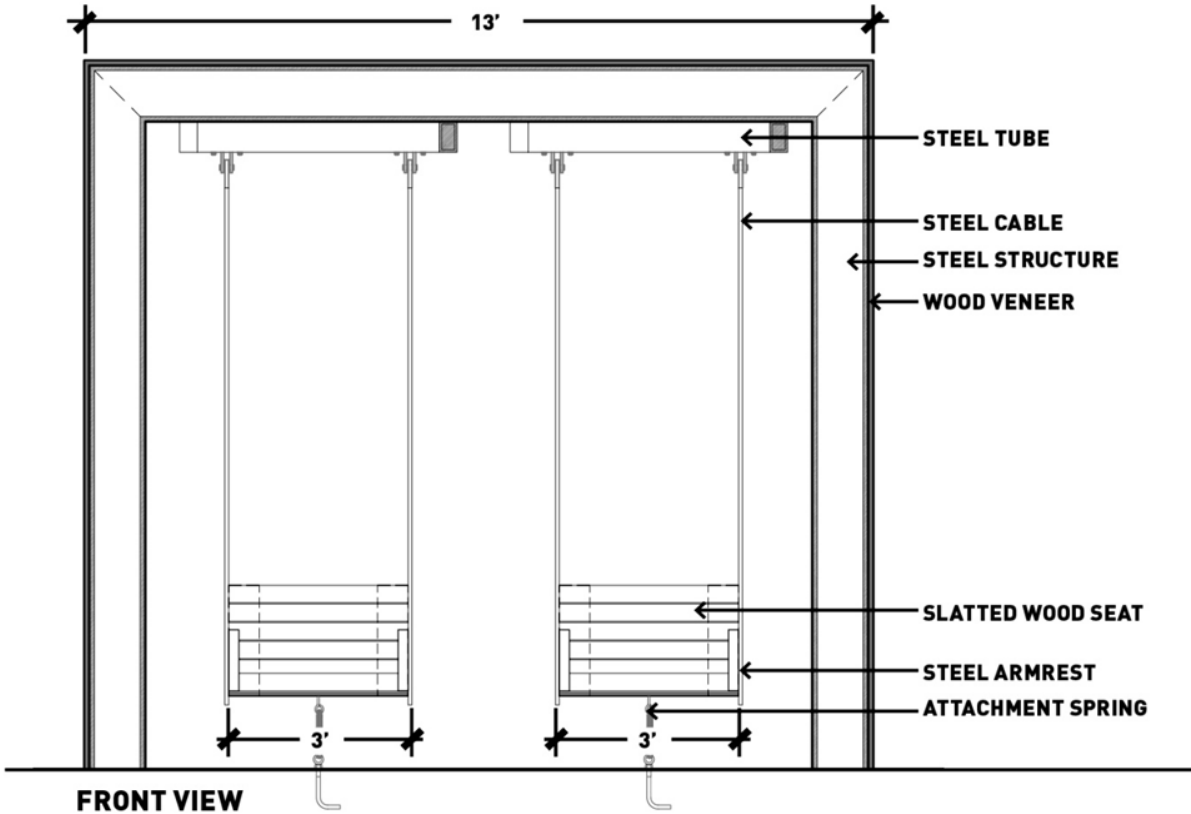
SWINGS



TOP VIEW



SIDE VIEW



FRONT VIEW

MAIN CORRIDOR SOUTH OF UNION

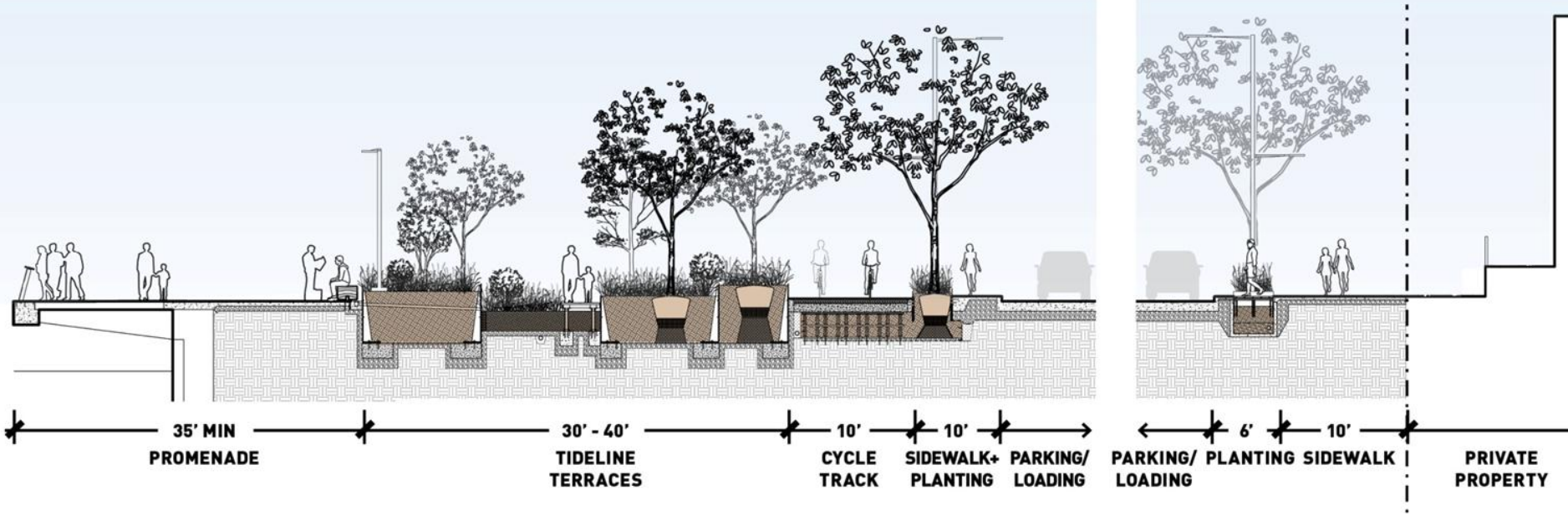
SWINGS

QUEEN ELIZABETH OLYMPIC PARK

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

SECTION: MADISON + SPRING



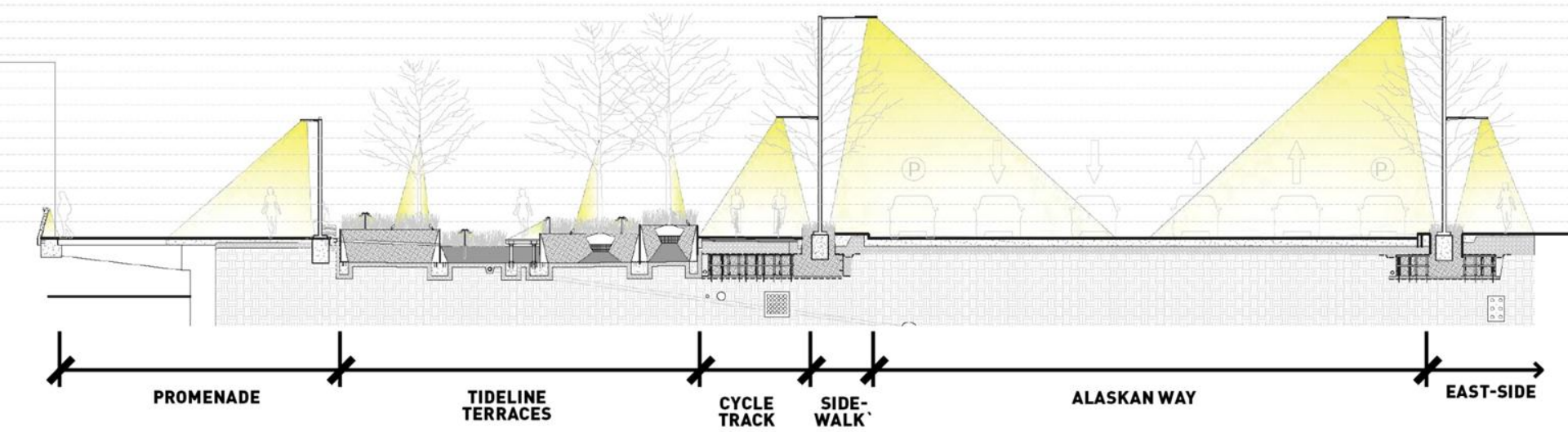
WEST SIDE

EAST SIDE

MAIN CORRIDOR SOUTH OF UNION

LIGHTING

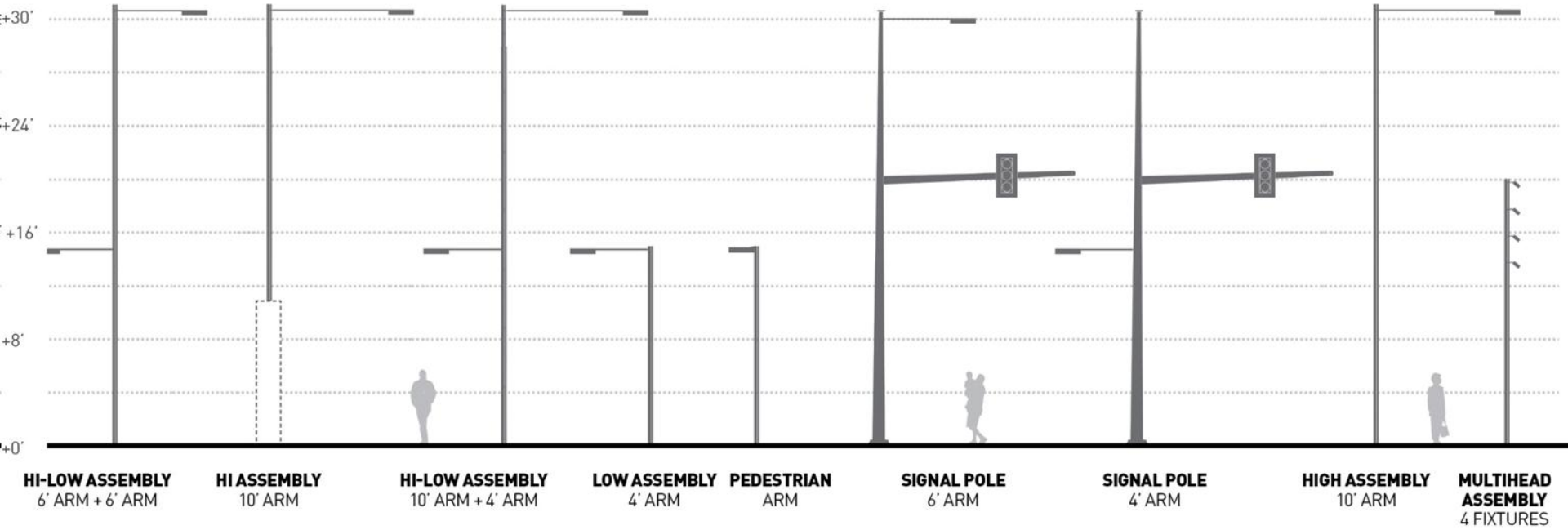
FAMILY OF FIXTURES



MAIN CORRIDOR SOUTH OF UNION

LIGHTING

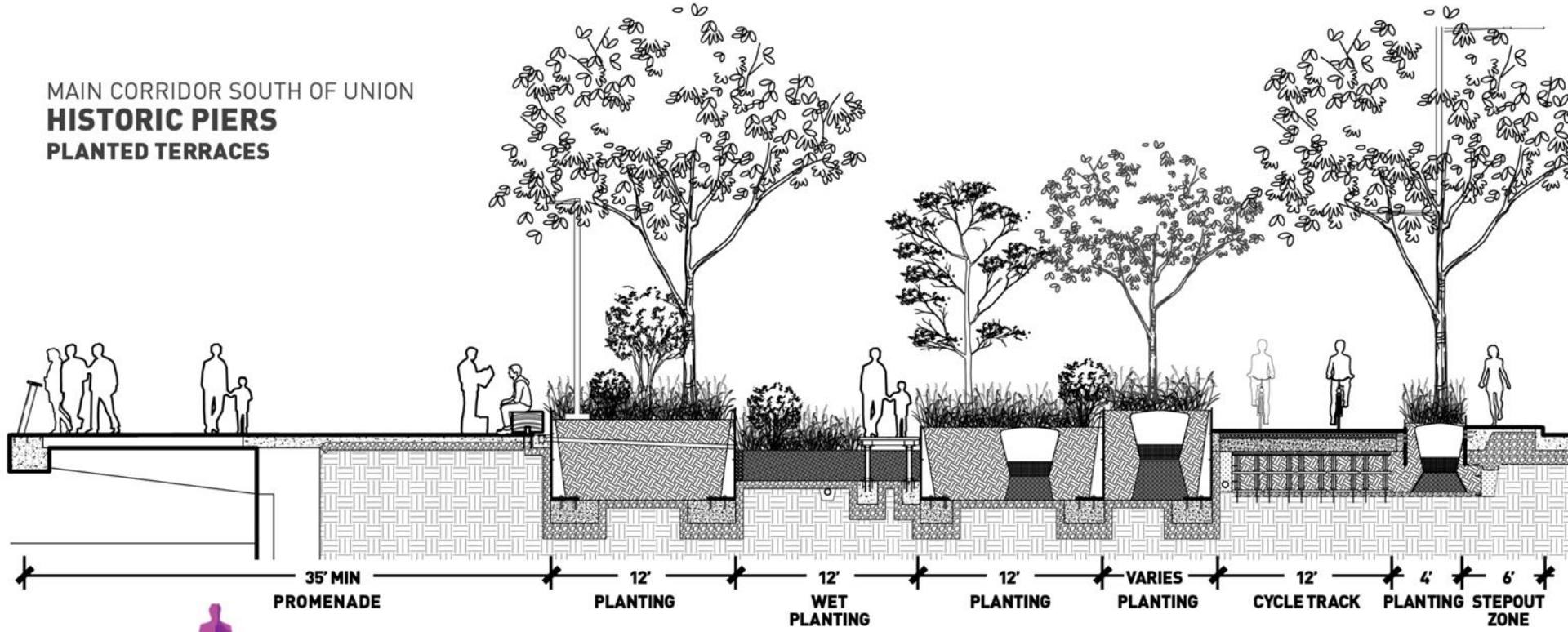
FAMILY OF FIXTURES

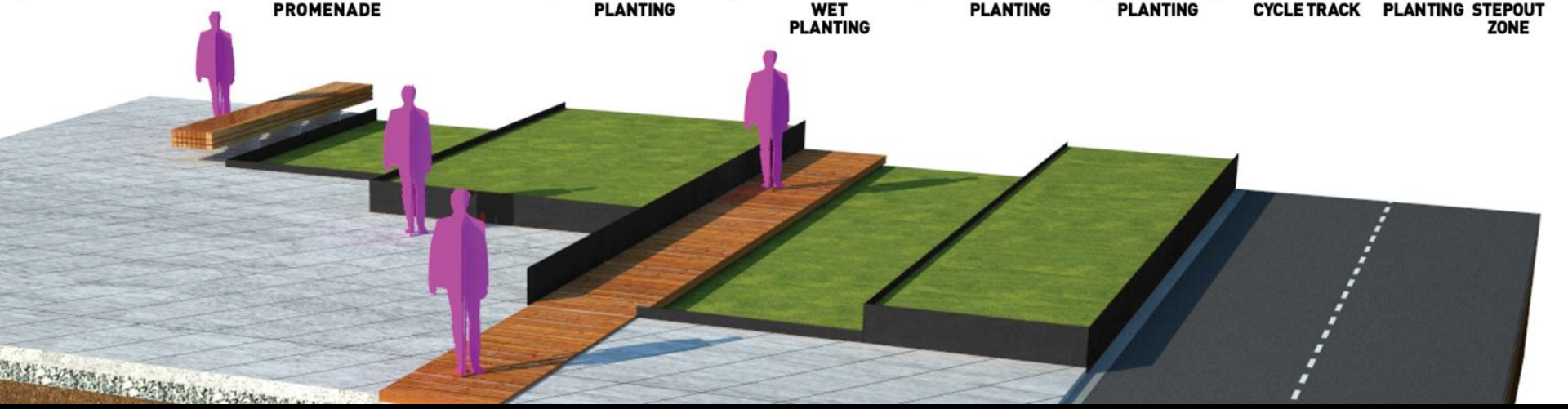


MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

PLANTED TERRACES

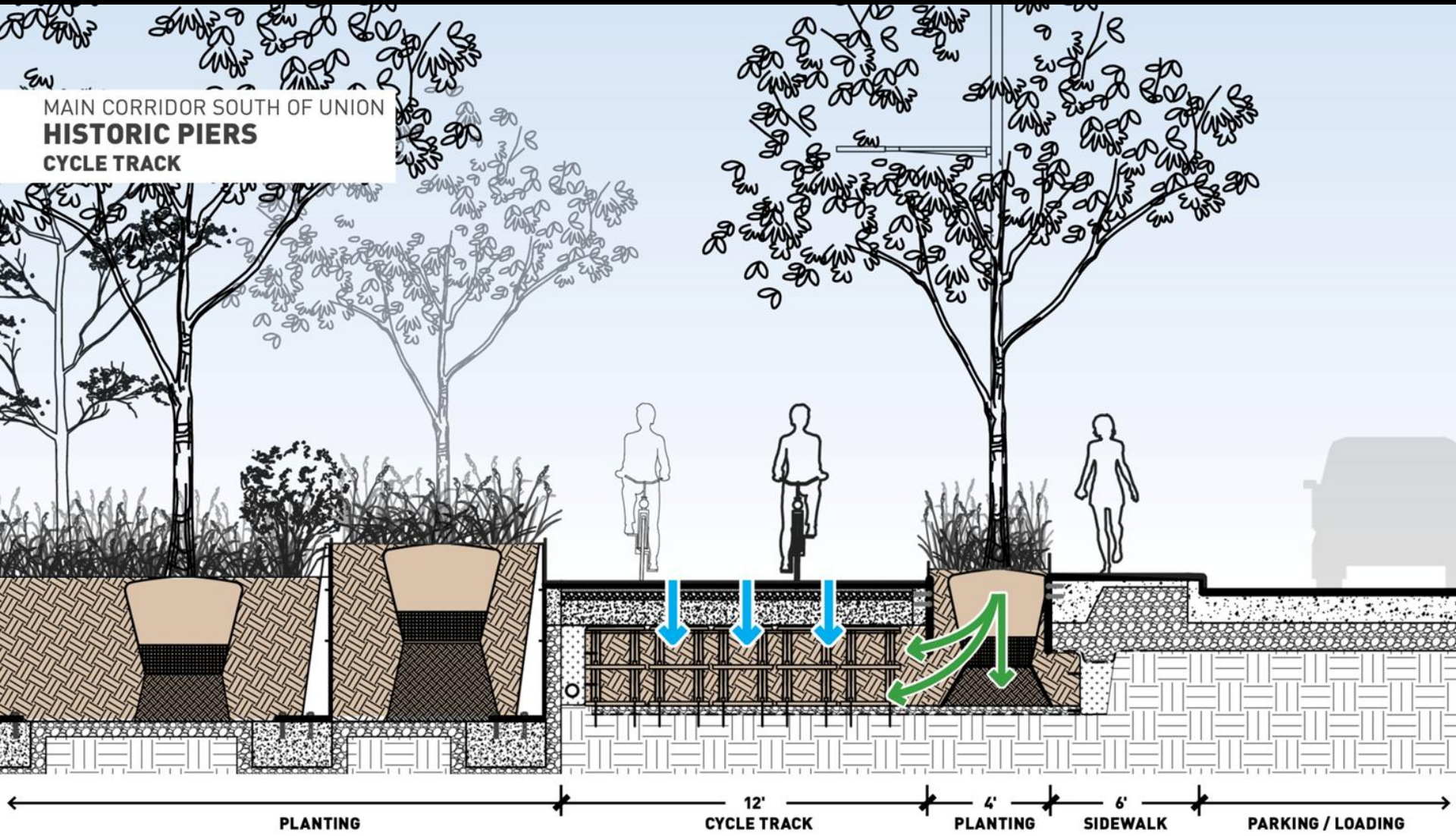




MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

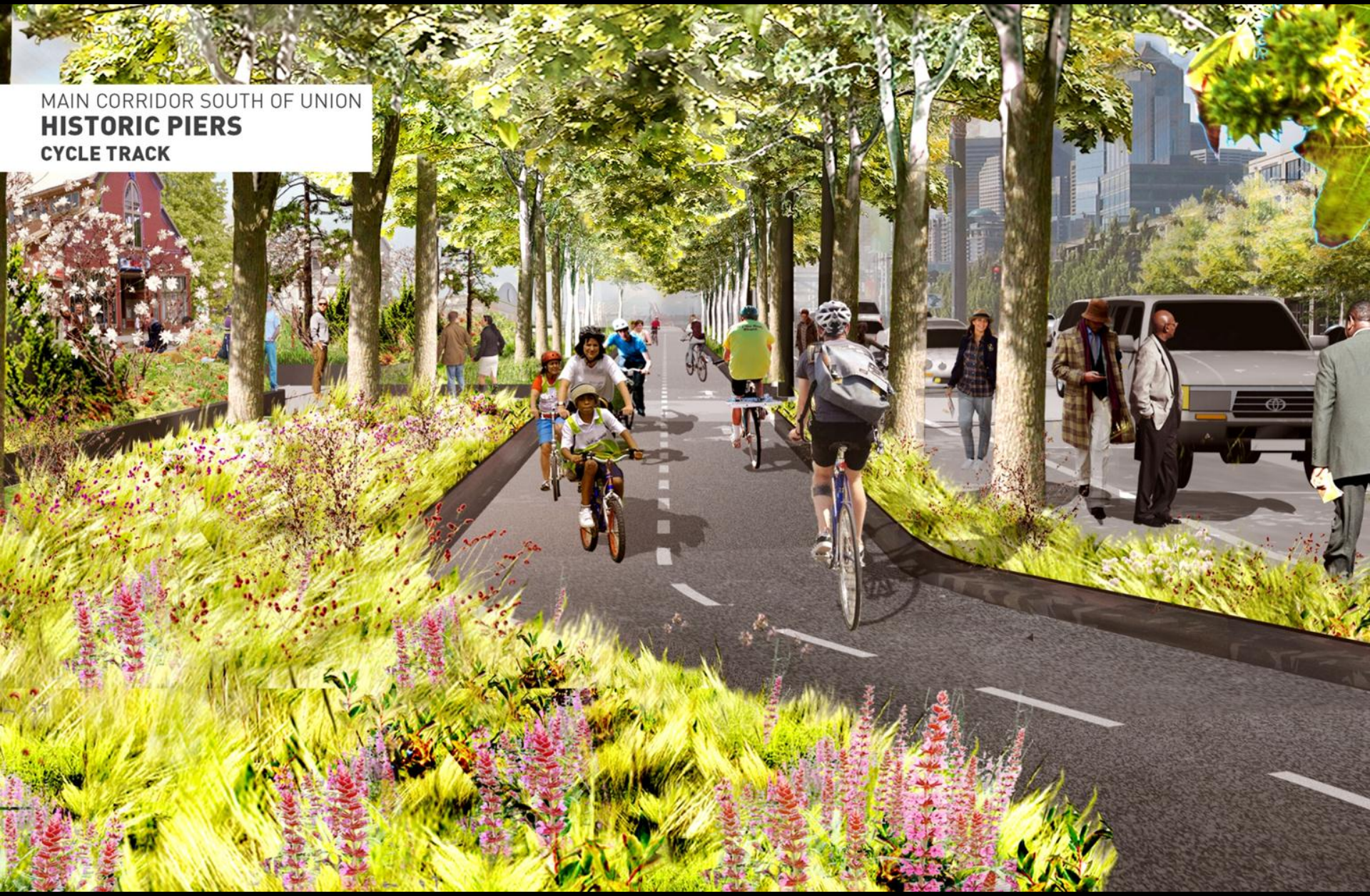
CYCLE TRACK



MAIN CORRIDOR SOUTH OF UNION

CYCLE TRACK

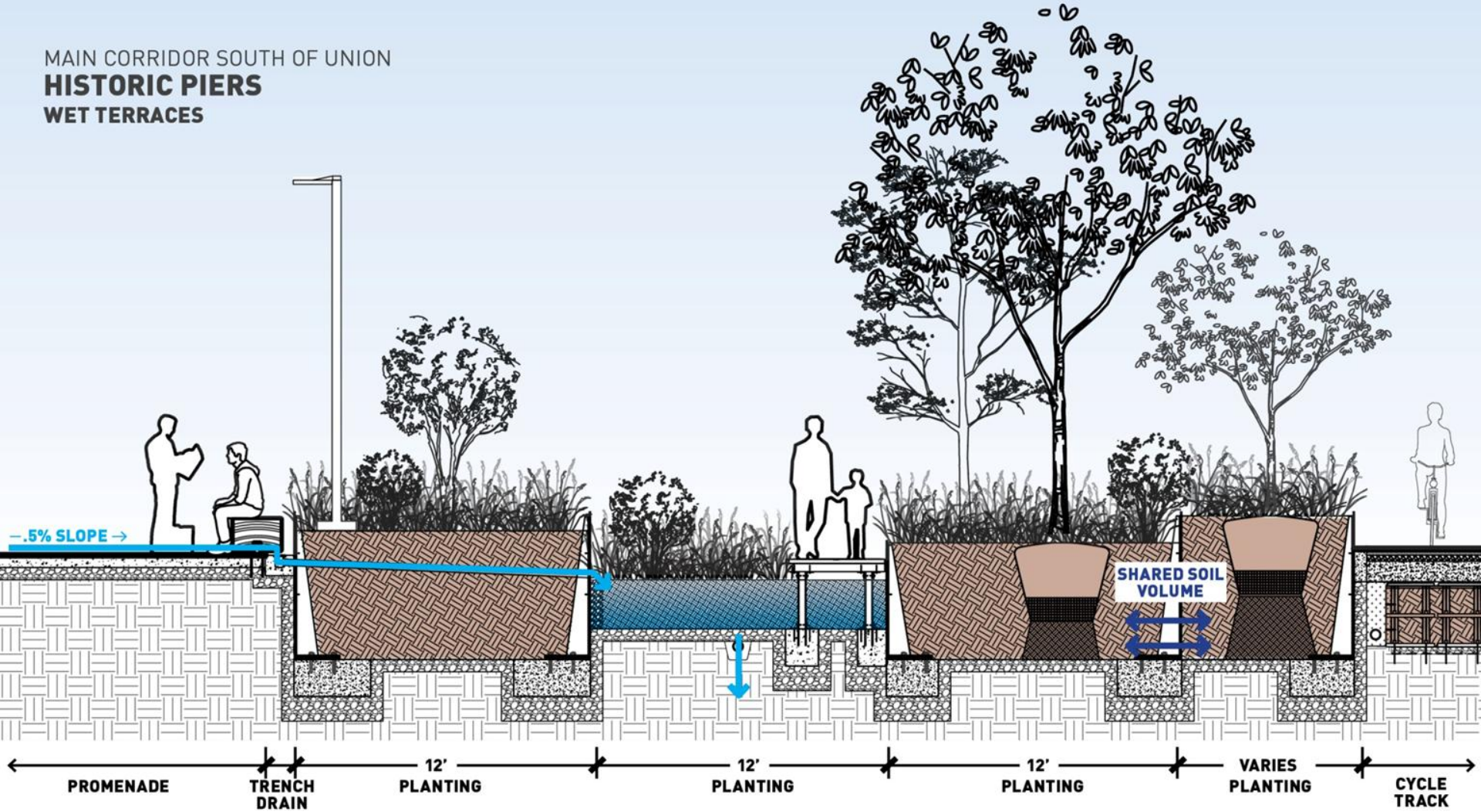
PERMEABLE ASPHALT


MAIN CORRIDOR SOUTH OF UNION
HISTORIC PIERS
CYCLE TRACK

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

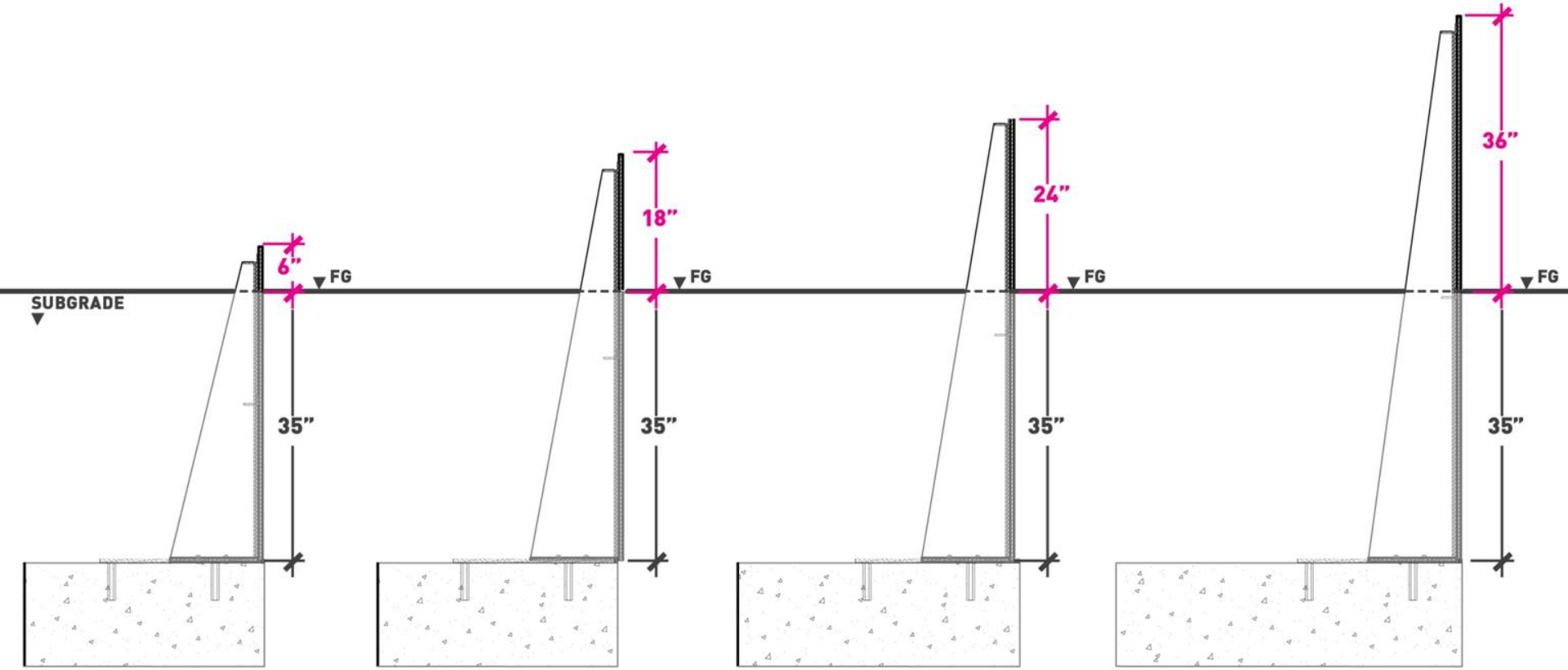
WET TERRACES



MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

TERRACE STEEL EDGING



6" WALL

18" WALL

24" WALL

36" WALL

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

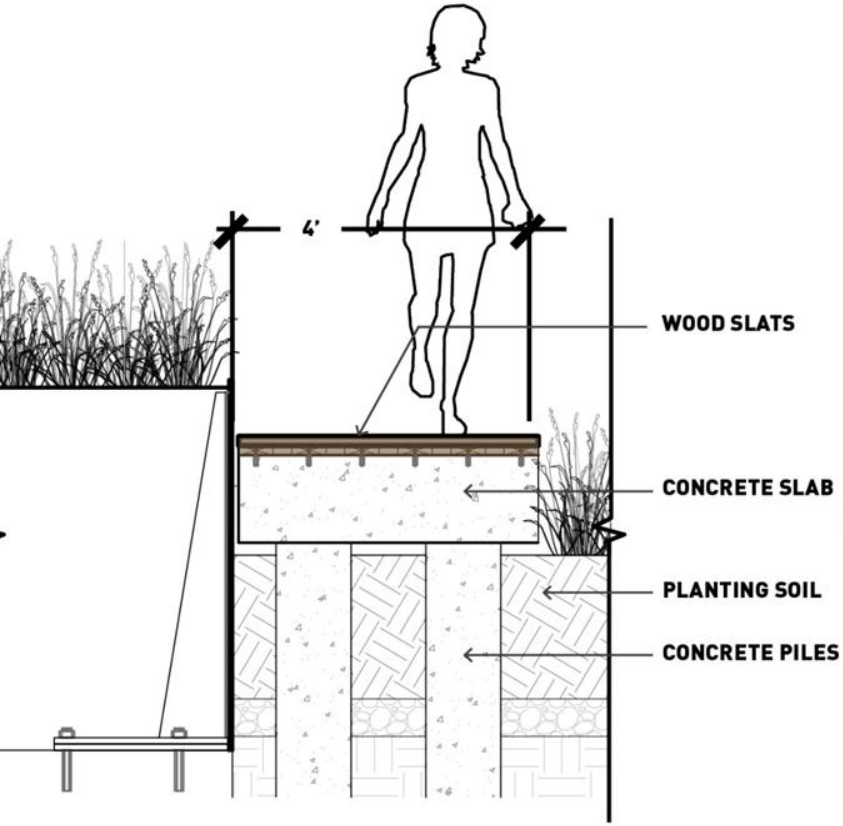
WALKING ON A TRESTLE

MAIN CORRIDOR SOUTH OF UNION
HISTORIC PIERS
BOARDWALK

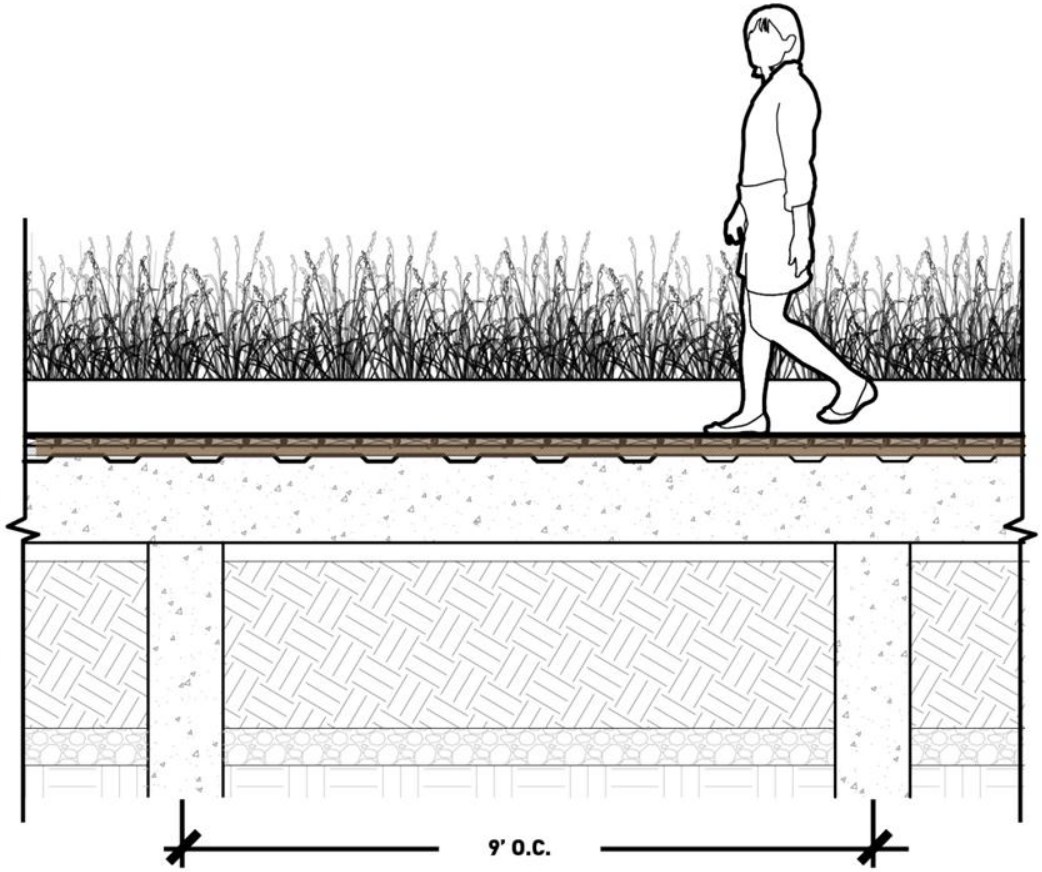
MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

BOARDWALK



SECTION



ELEVATION

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

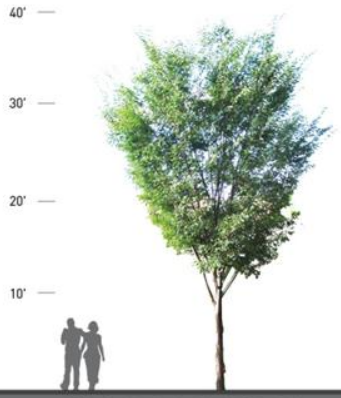
GARDEN PALETTE

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

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

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

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



STREET TREE

GARDEN TERRACES

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

GARDEN PALETTE

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

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
Darmera 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.
Actaea Sp.

Sheep Fescue
Festuca ovina

Allium Sp.
Allium

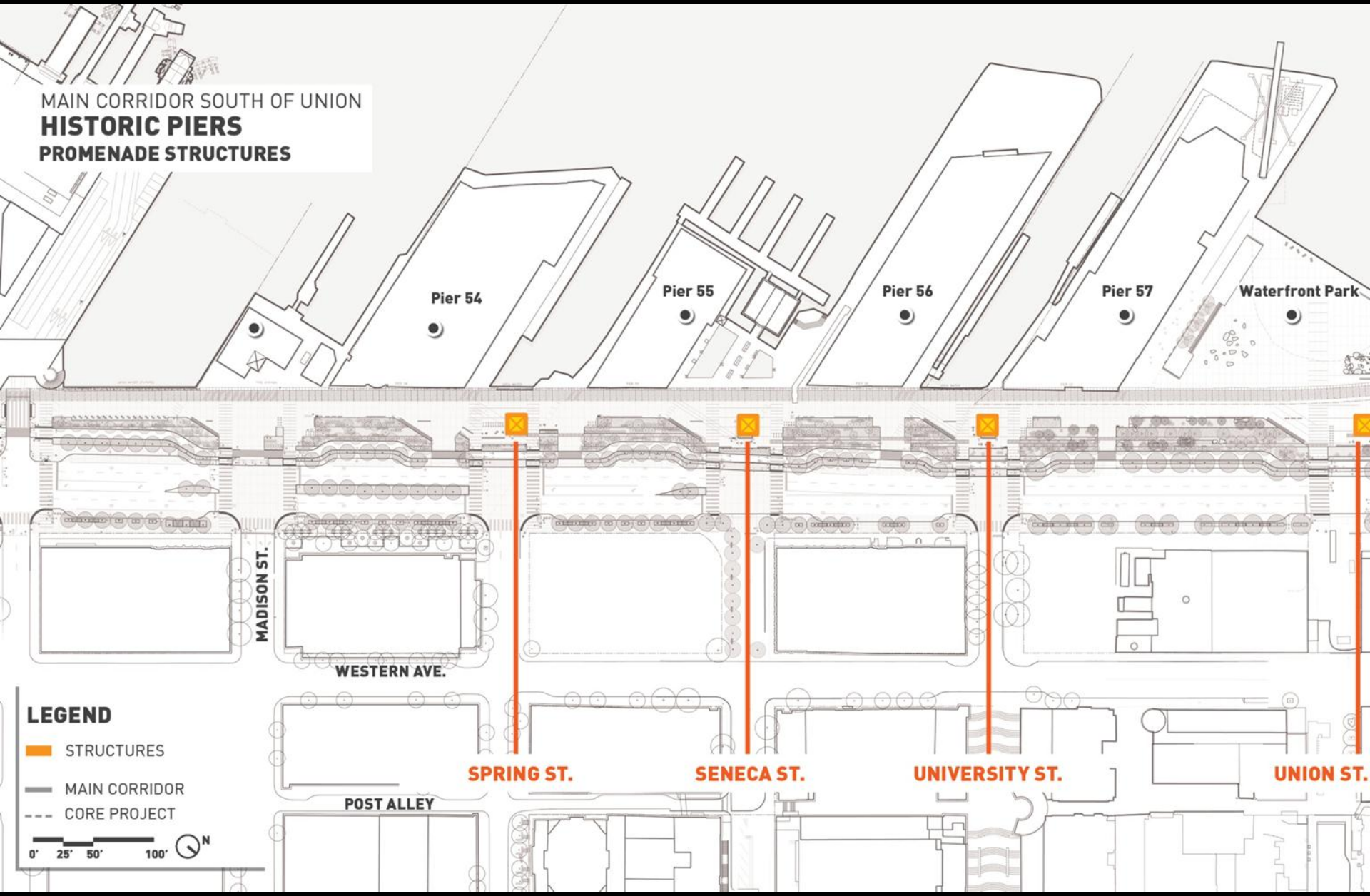
Nepta
Nepeta racemosa 'Walker's Low'

Goat's Beard Sp.
Aruncus Sp.

MAIN CORRIDOR SOUTH OF UNION

HISTORIC PIERS

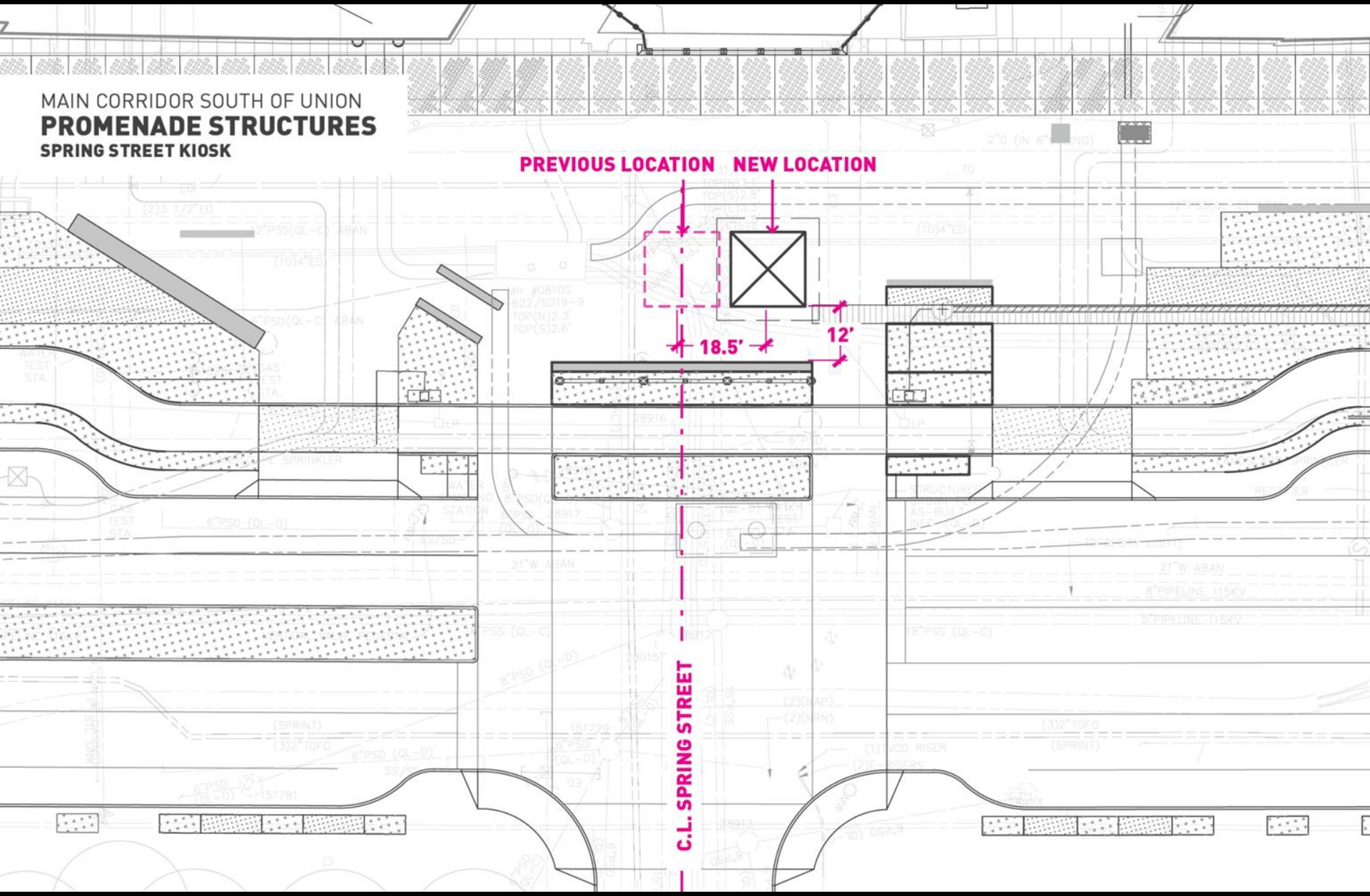
PROMENADE STRUCTURES



MAIN CORRIDOR SOUTH OF UNION

PROMENADE STRUCTURES

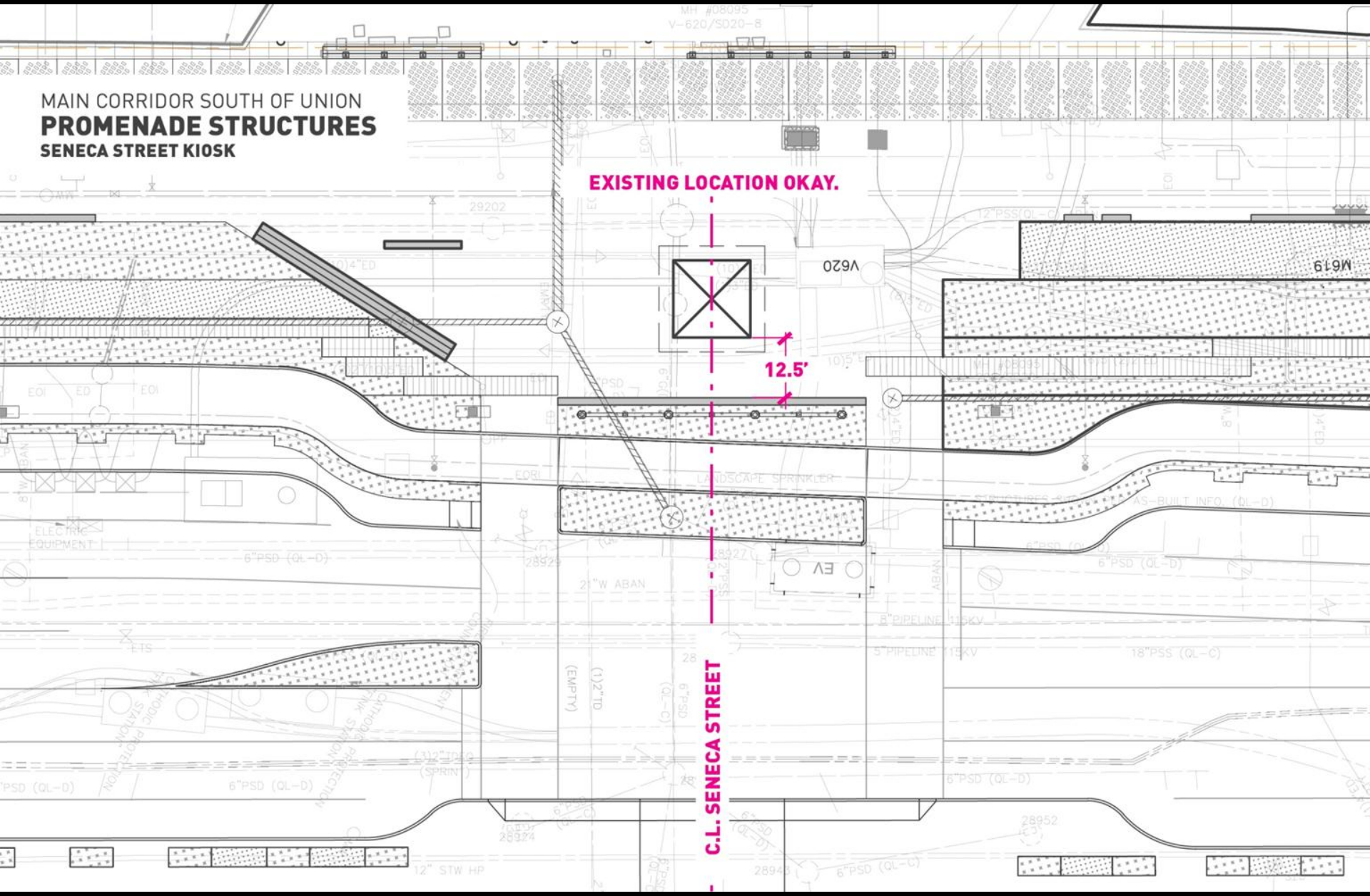
SPRING STREET KIOSK



MAIN CORRIDOR SOUTH OF UNION

PROMENADE STRUCTURES

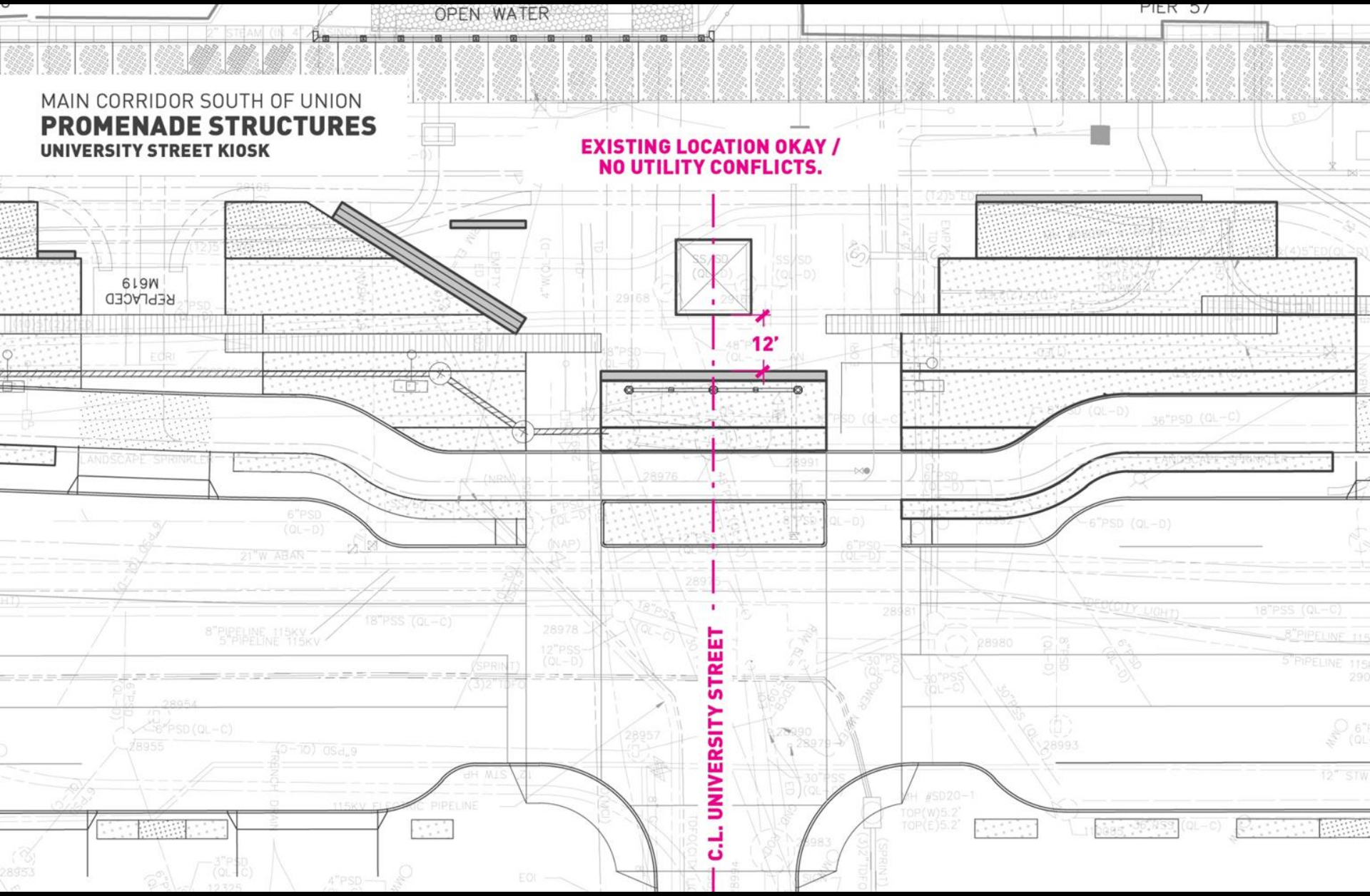
SENECA STREET KIOSK



MAIN CORRIDOR SOUTH OF UNION

PROMENADE STRUCTURES

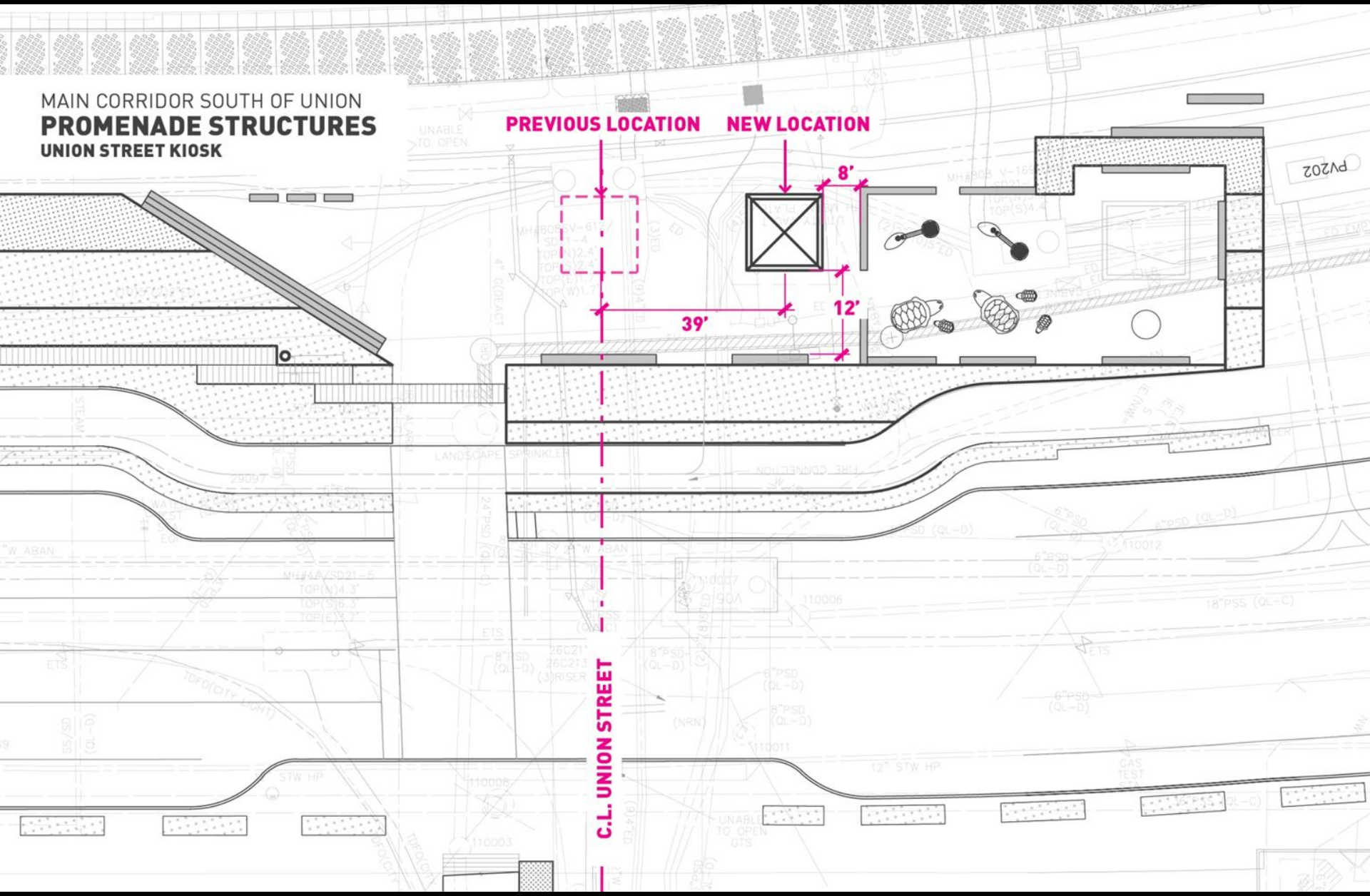
UNIVERSITY STREET KIOSK



MAIN CORRIDOR SOUTH OF UNION

PROMENADE STRUCTURES

UNION STREET KIOSK



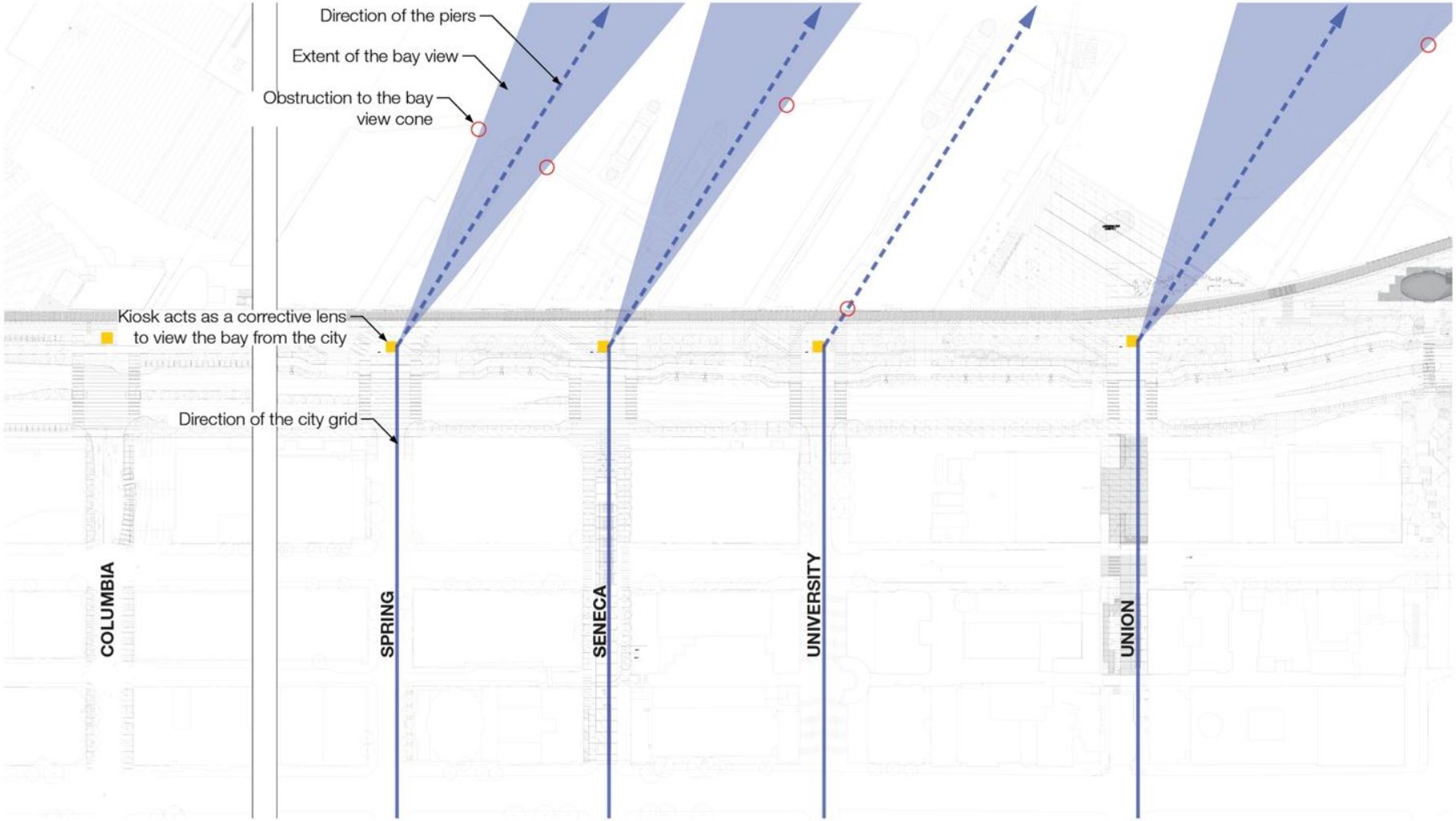
KIOSKS 30% DESIGN

100% SCHEMATIC DESIGN

1. DESIGN INTENTION
2. SCALE & MASSING
3. FUNCTIONALITY STUDIES
4. SHELTER & OPENINGS
5. MATERIALS
6. REFLECTIVITY AND GLARE

1. DESIGN INTENTION

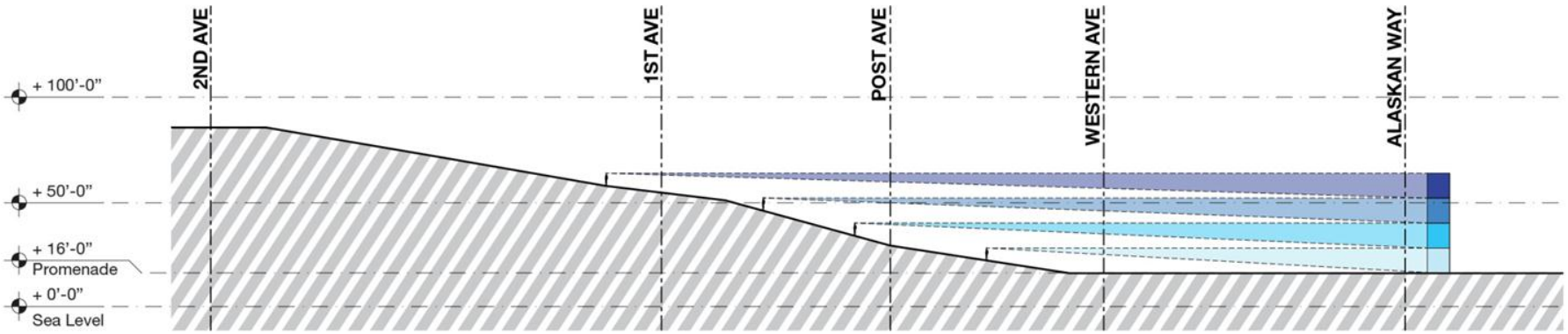
CONNECTING LOCAL TO GLOBAL



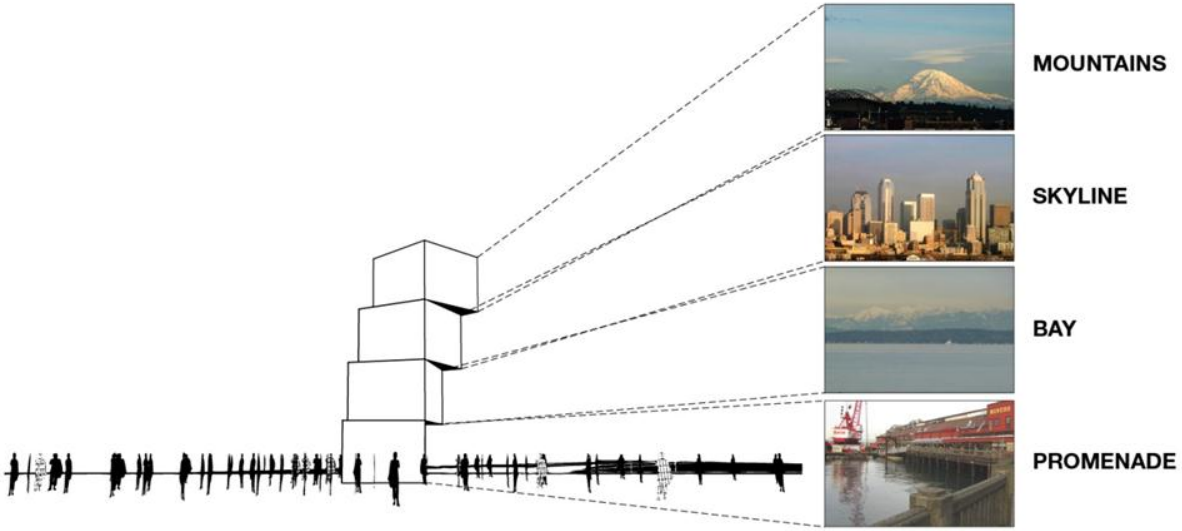
WATERFRONT SEATTLE KIOSKS
nARCHITECTS

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

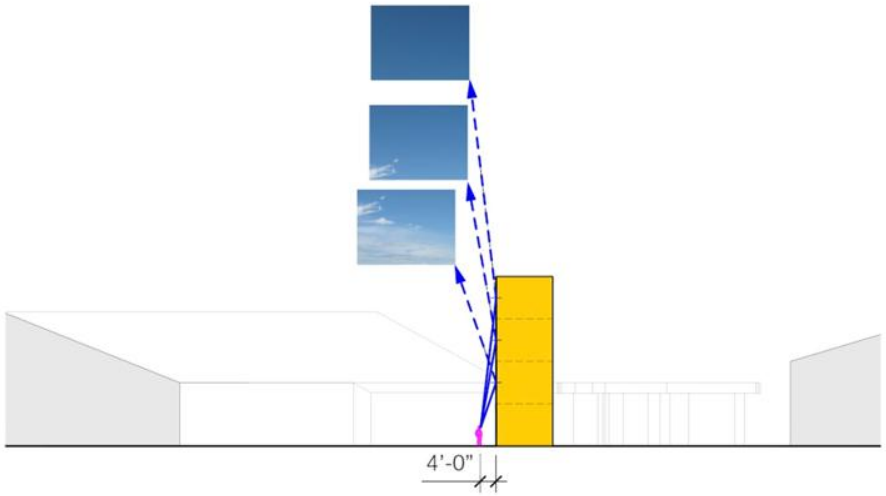
CONNECTING TO LARGER CONTEXT: URBAN PERISCOPE



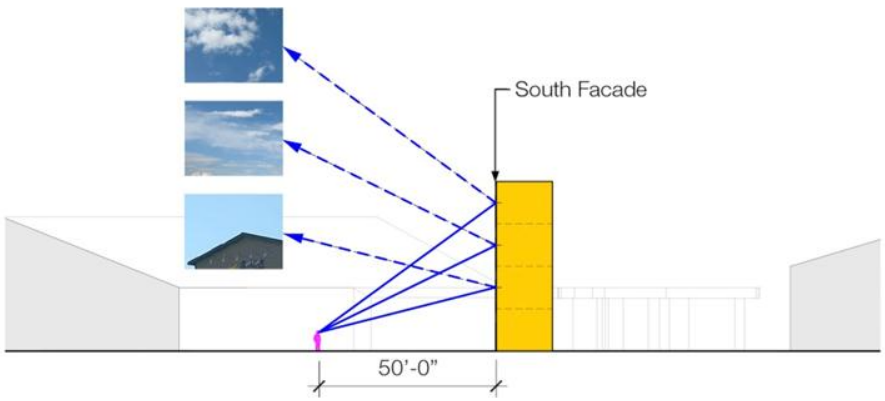
GLIMPSES OF KIOSKS FROM CITY STREETS



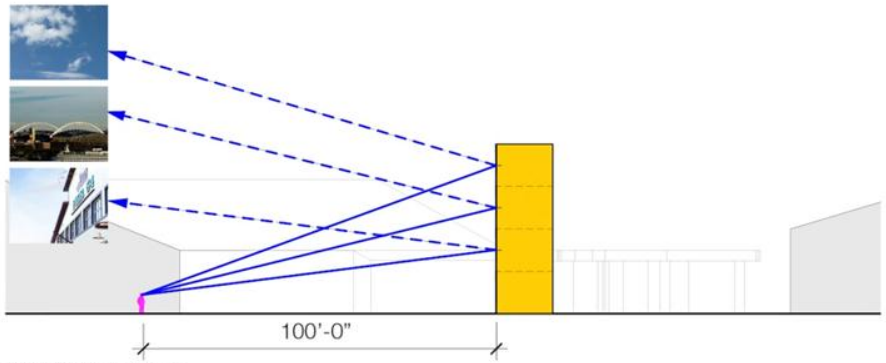
CONNECTING TO LARGER CONTEXT: URBAN PERISCOPE



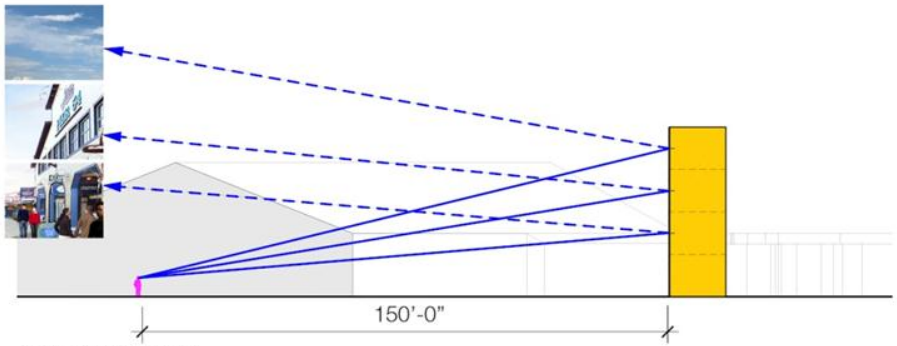
4'-0" from Kiosk



50'-0" from Kiosk



100'-0" from Kiosk



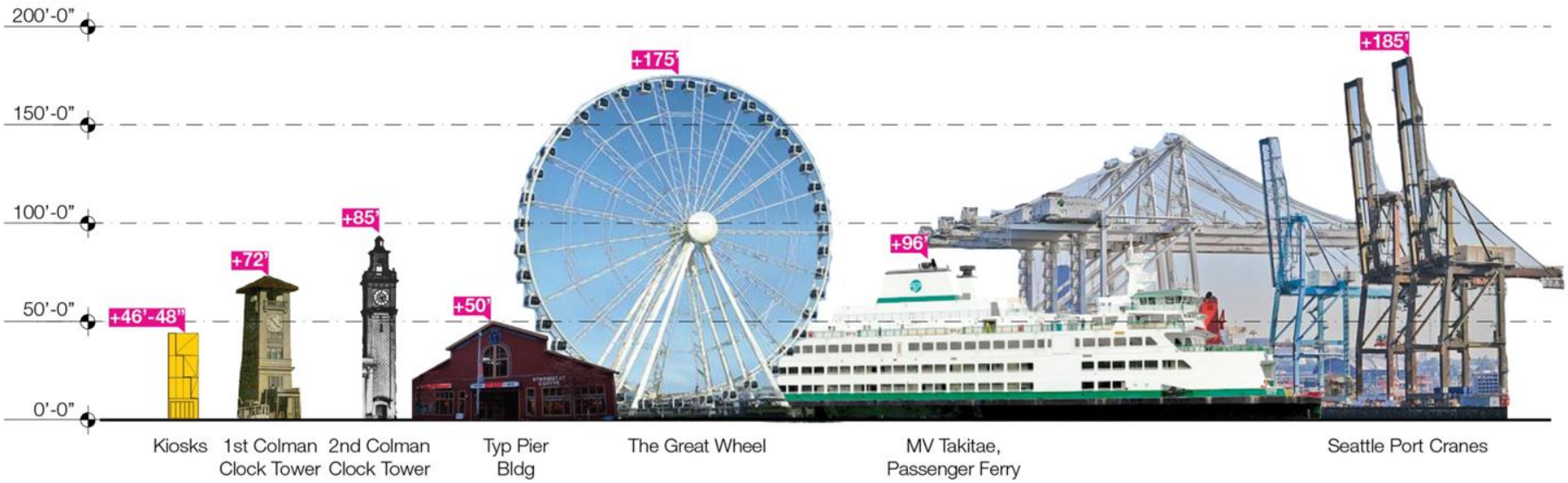
150'-0" from Kiosk

WATERFRONT SEATTLE KIOSKS
nARCHITECTS

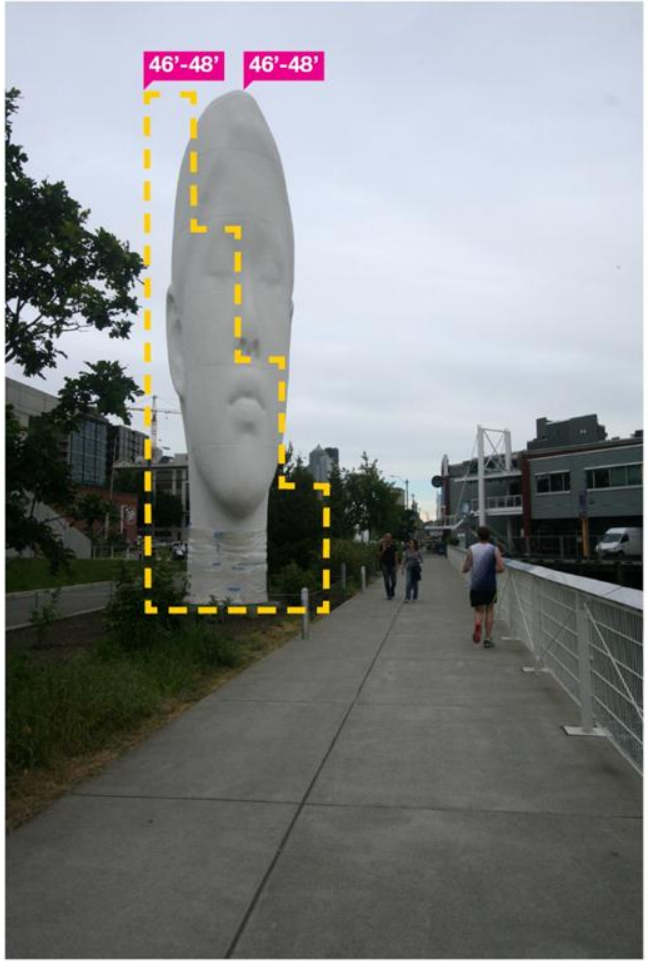
30% DESIGN (100% SD)
October 16, 2014

CONNECTING TO LARGER CONTEXT: OPTICAL SECTION DIAGRAMS

2. KIOSK SCALE AND MASSING



VERTICAL ELEMENTS ALONG THE WATERFRONT



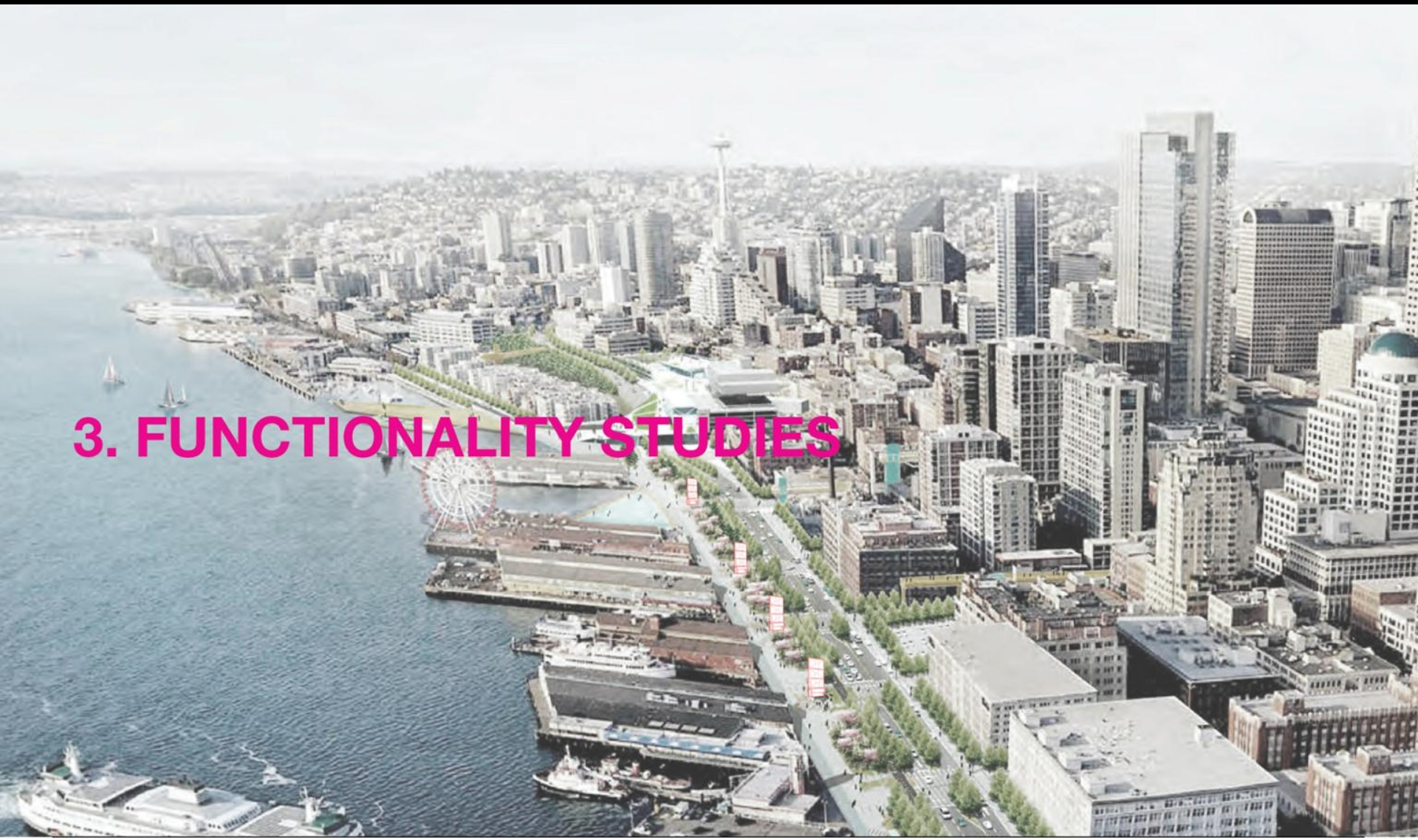
VIEWS ALONG WATERFRONT OF ECHO BY JAUME PLENSA (PROPOSED KIOSK HEIGHT IS 46'-48')

VIEW LOOKING WEST, ACROSS ALASKAN WAY AT SPRING STREET

PROMENADE VIEW LOOKING SOUTH AT SPRING STREET

VIEW NORTH AT SPRING STREET

VIEW EAST AT SPRING STREET



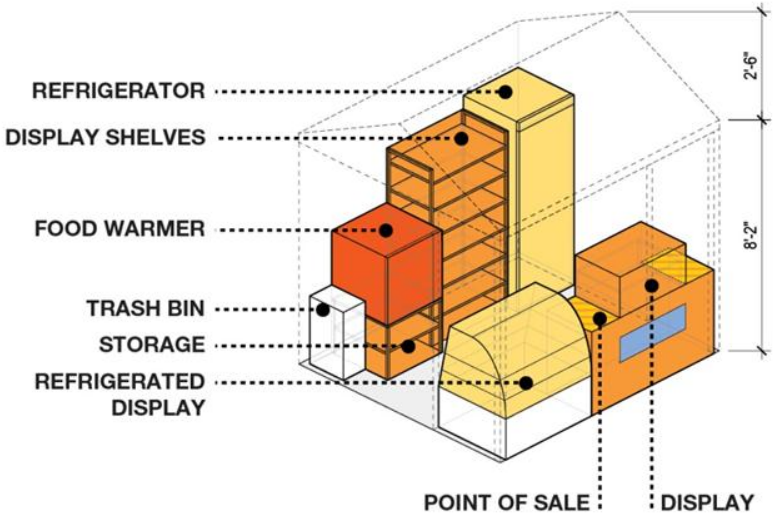
3. FUNCTIONALITY STUDIES

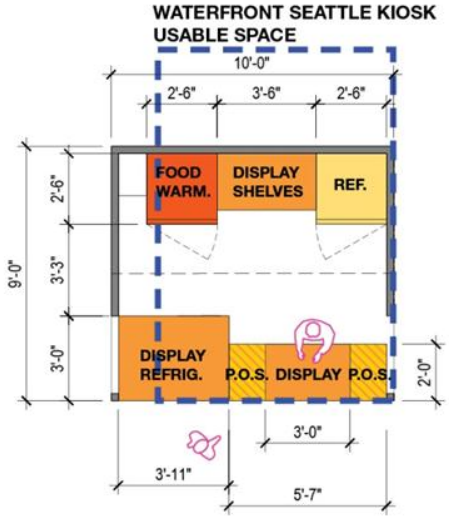
KIOSK FRONT

KIOSK INTERIOR

KIOSK COUNTER

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



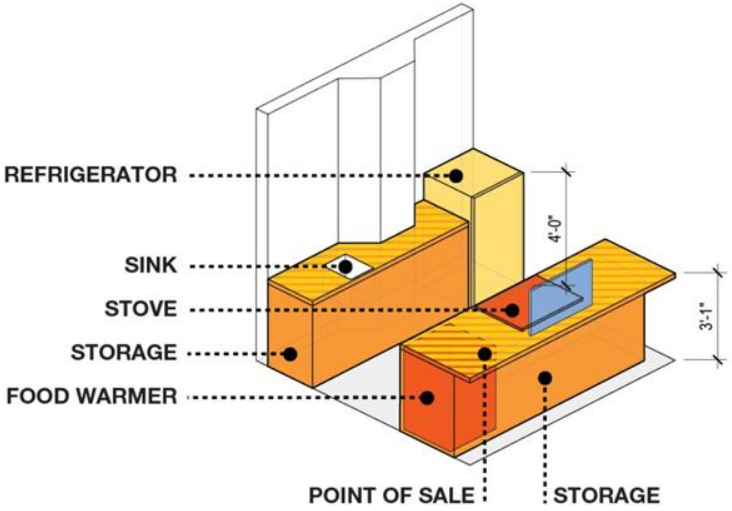


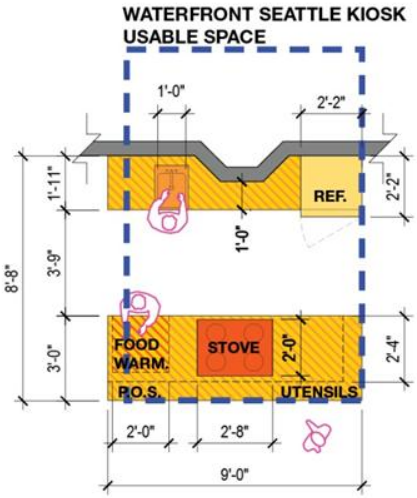
KIOSK FRONT

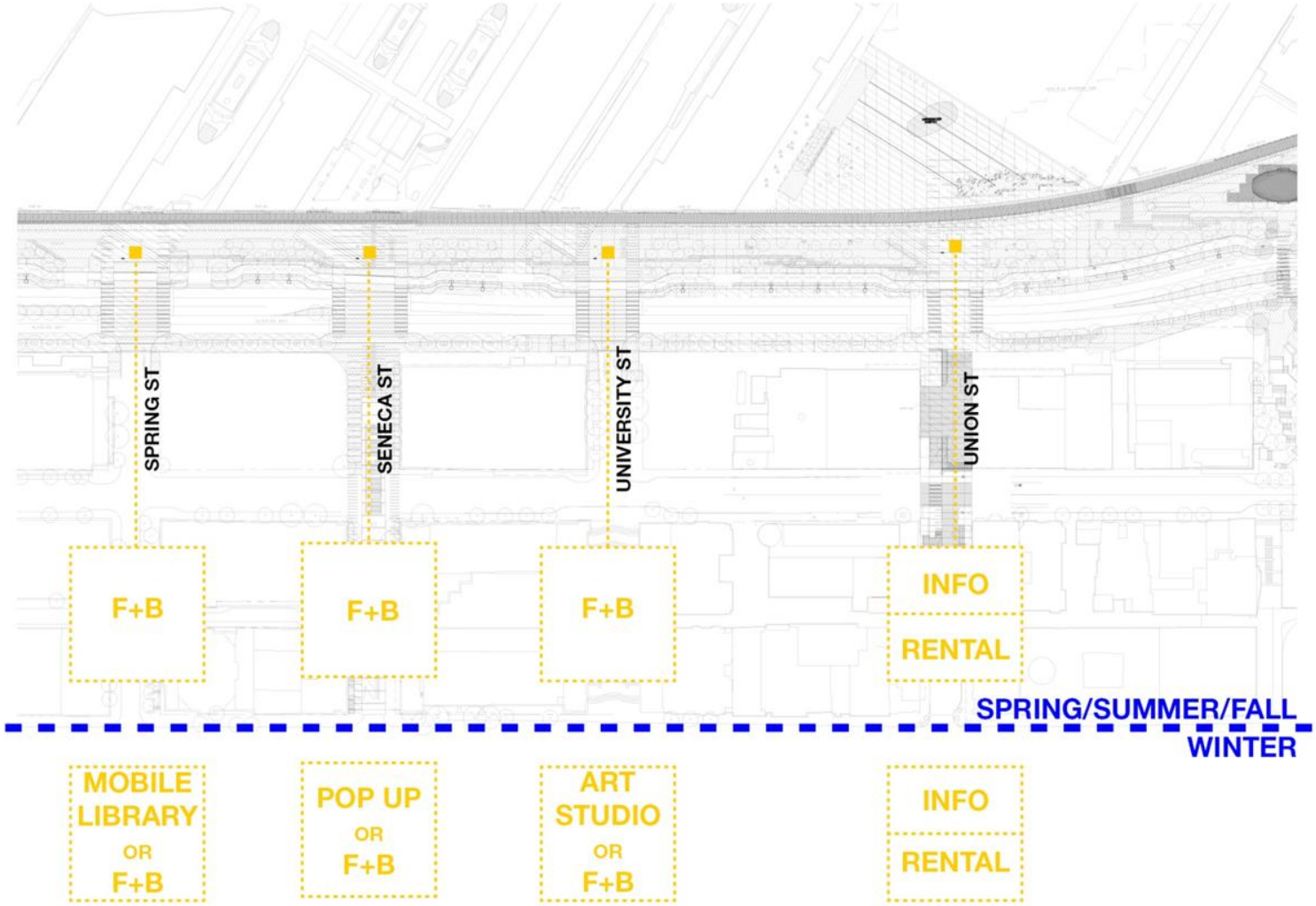
KIOSK INTERIOR

KIOSK COUNTER

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







OVERALL PROGRAM PLAN

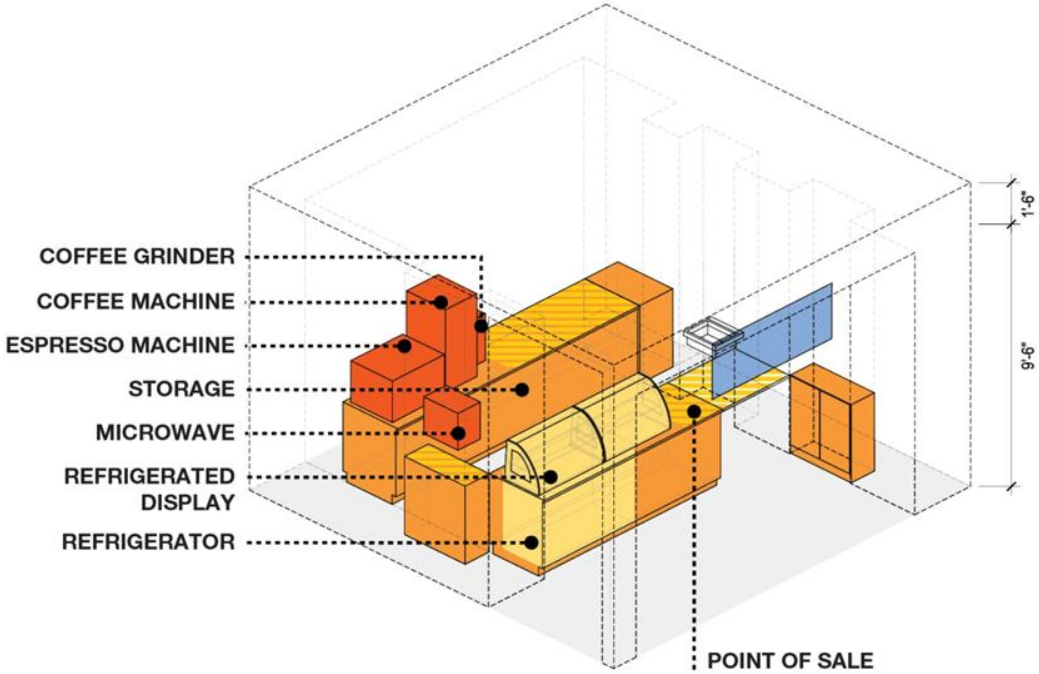
REFRIGERATED STORAGE

DRY STORAGE

EQUIPMENT + APPLIANCES

COUNTER + POINT OF SALE

SIGNAGE



KITCHEN EQUIPMENT:

UNDER-COUNTER REFRIGERATOR (X 2)

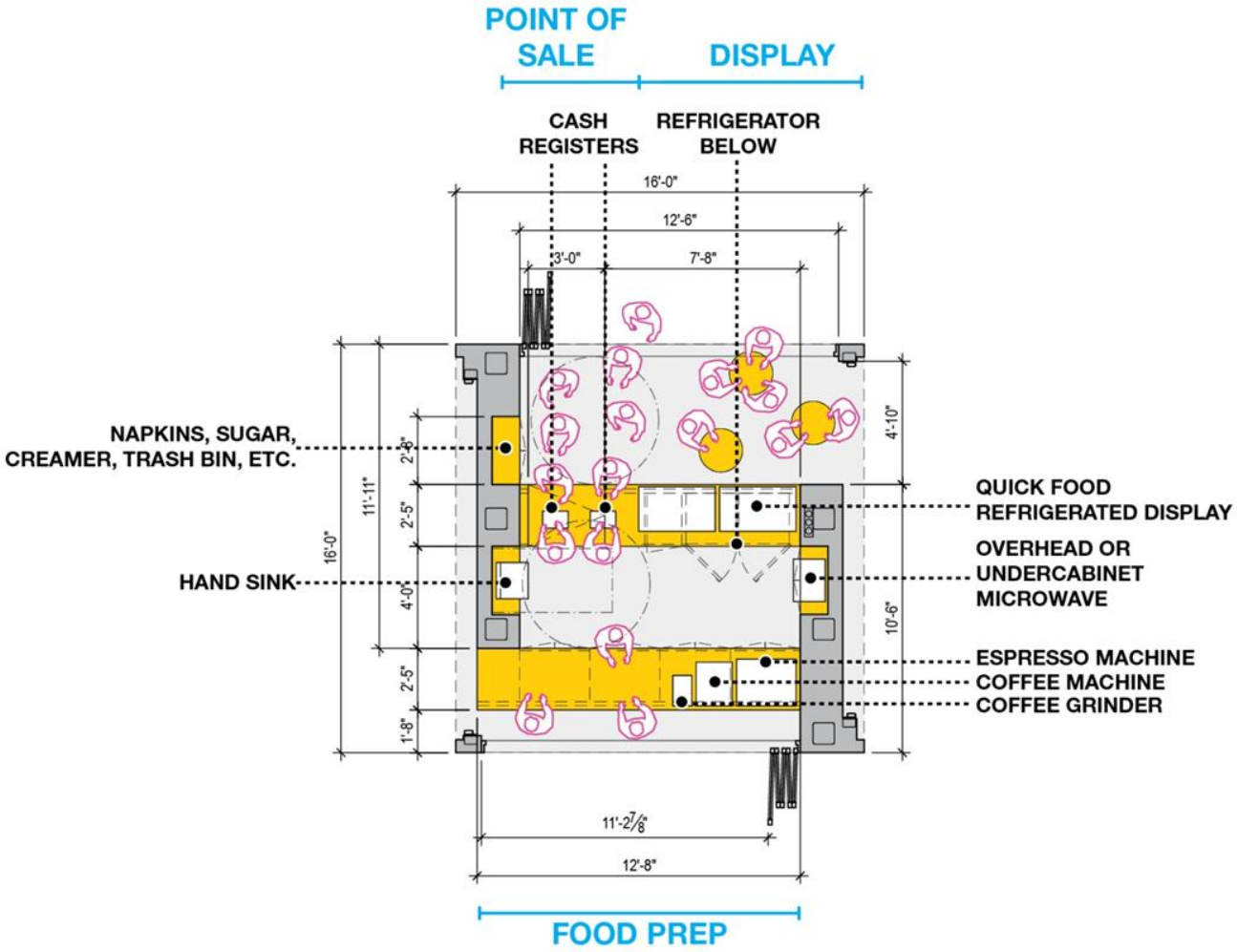
REFRIGERATED DISPLAY (X 2)

MICROWAVE

ESPRESSO MACHINE

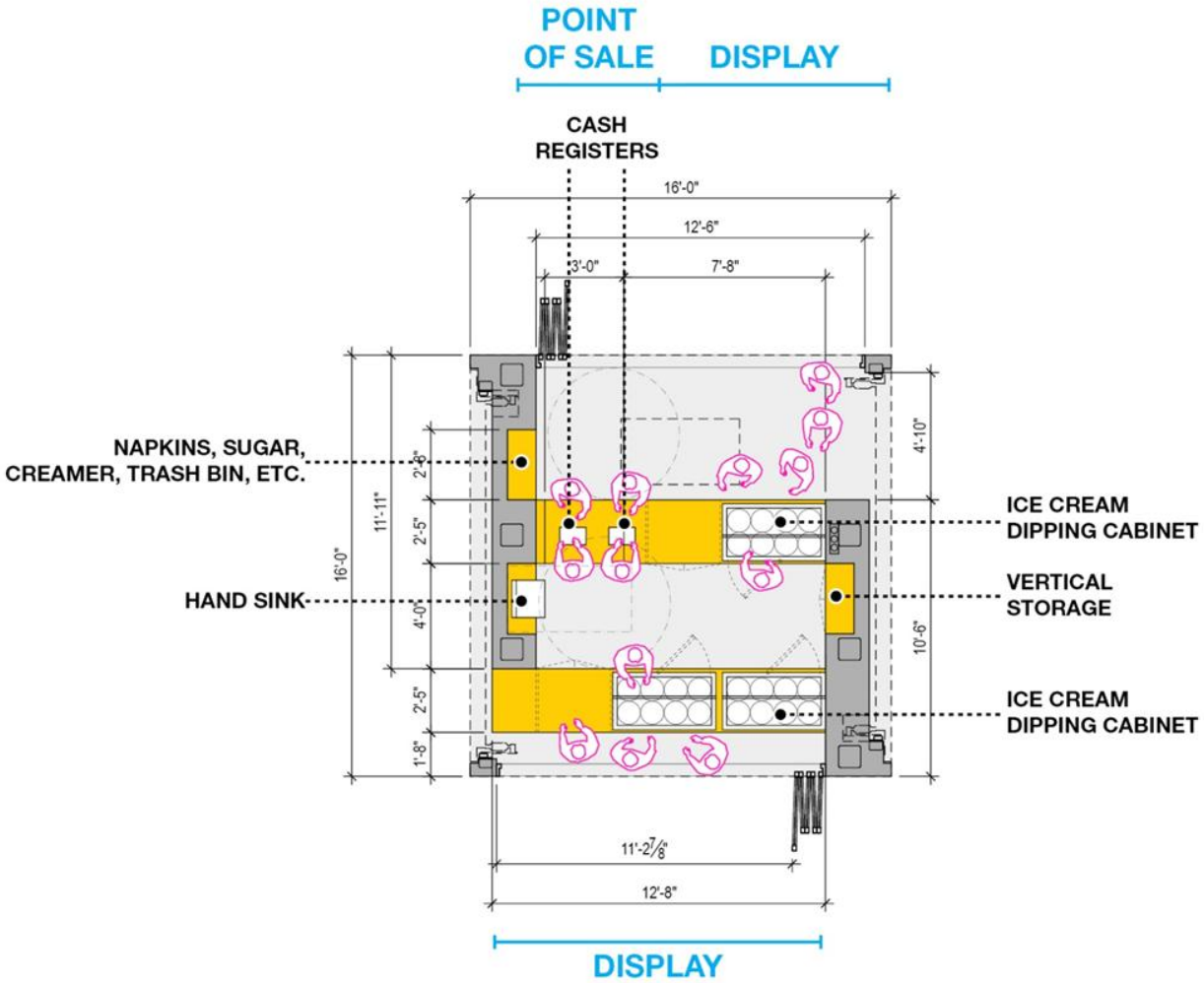
COFFEE GRINDER

COFFEE MACHINE



KITCHEN EQUIPMENT:

ICE CREAM DIPPING CABINET (X 3)

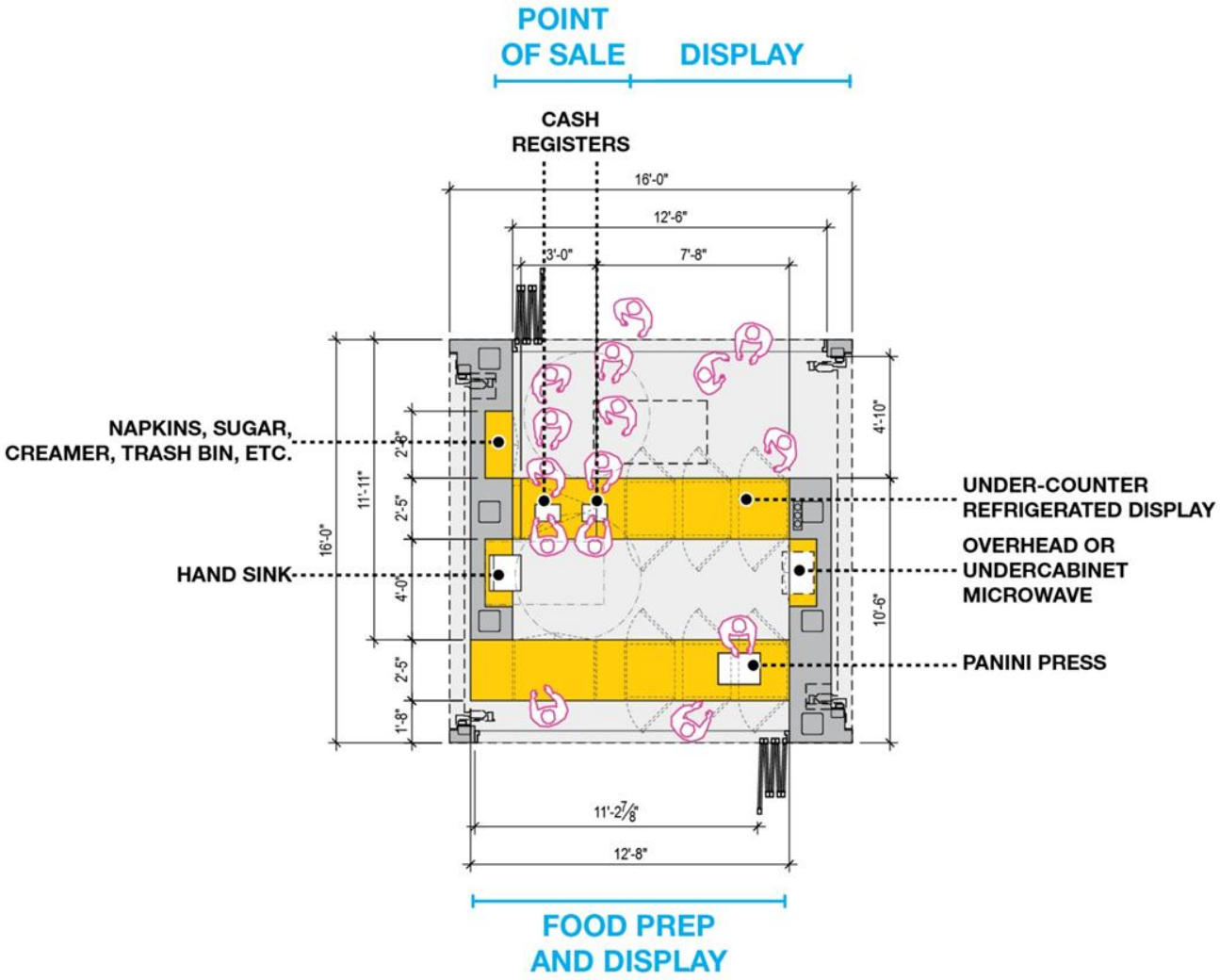


KITCHEN EQUIPMENT:

MICROWAVE

UNDER-COUNTER REFRIGERATED DISPLAY

PANINI PRESS



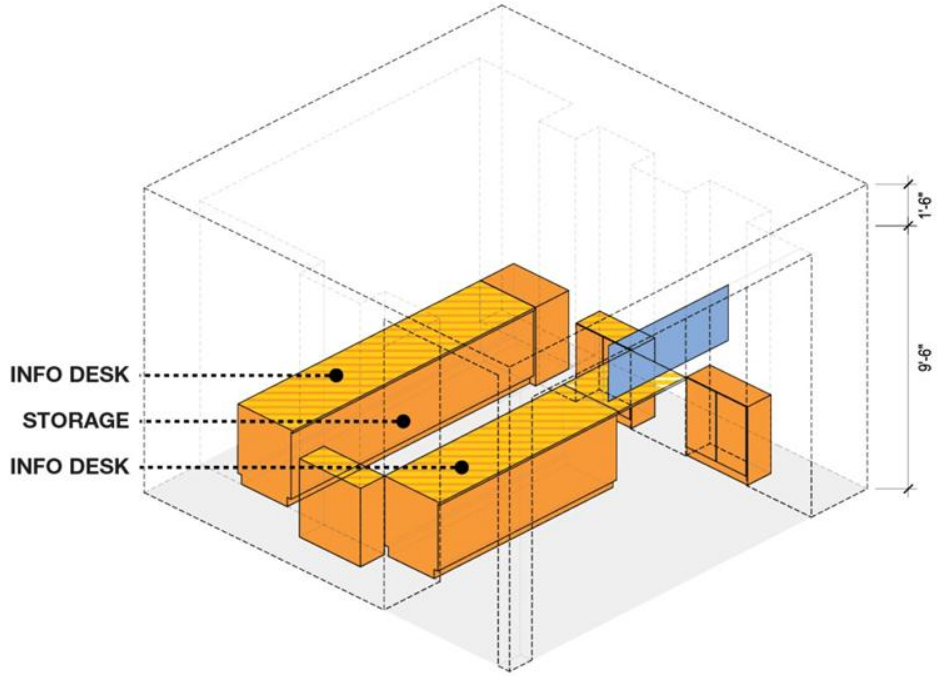
REFRIGERATED STORAGE

DRY STORAGE

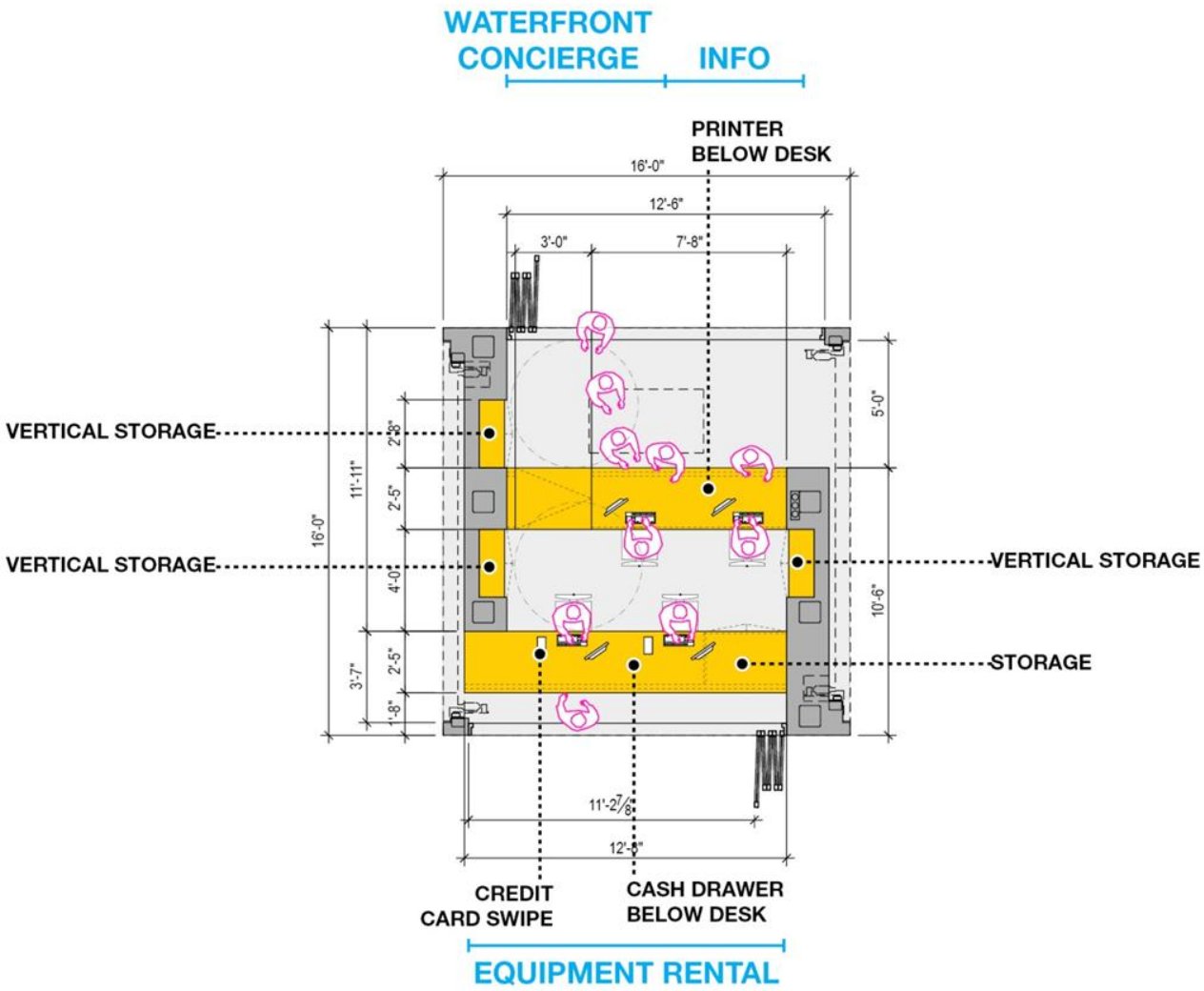
EQUIPMENT + APPLIANCES

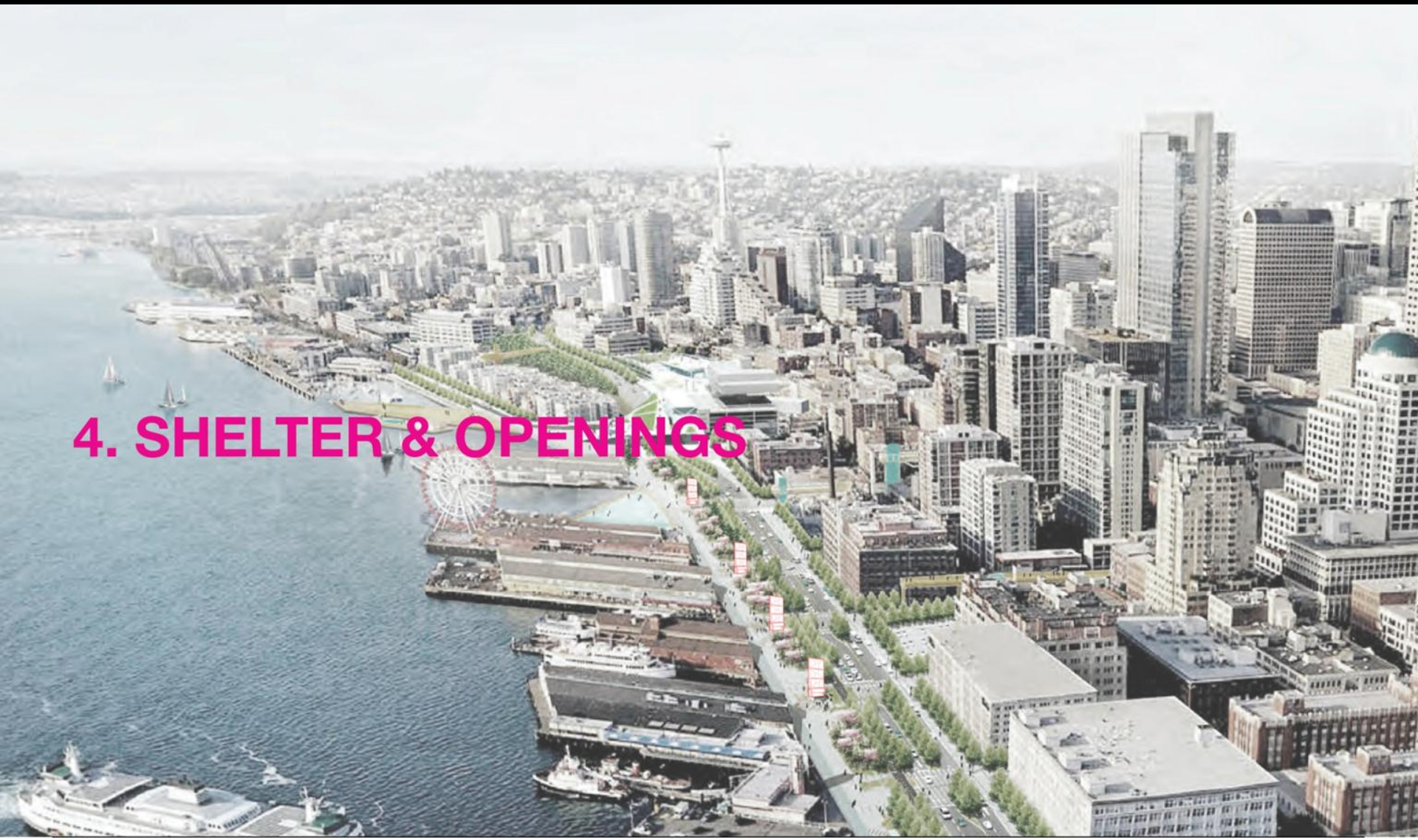
COUNTER + POINT OF SALE

SIGNAGE

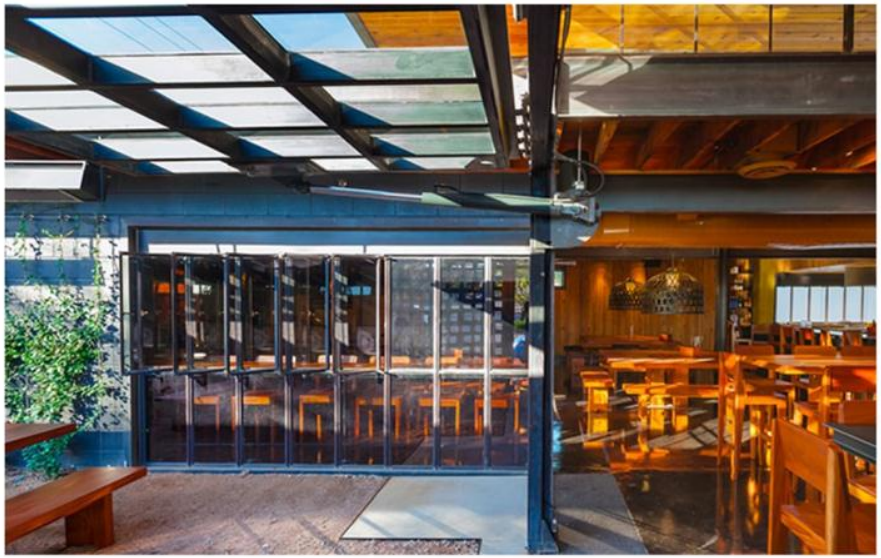


PROGRAM: INFO + RENTAL PLAN


WATERFRONT
CONCIERGE
INFO
PRINTER
BELOW DESK
16'-0"
12'-6"
3'-0"
7'-8"
VERTICAL STORAGE
VERTICAL STORAGE
VERTICAL STORAGE
STORAGE
16'-0"
11'-11"
2'-5"
4'-0"
2'-5"
1'-8"
3'-7"
5'-0"
10'-6"
11'-2 7/8"
12'-5"
CREDIT
CARD SWIPE
CASH DRAWER
BELOW DESK
EQUIPMENT RENTAL

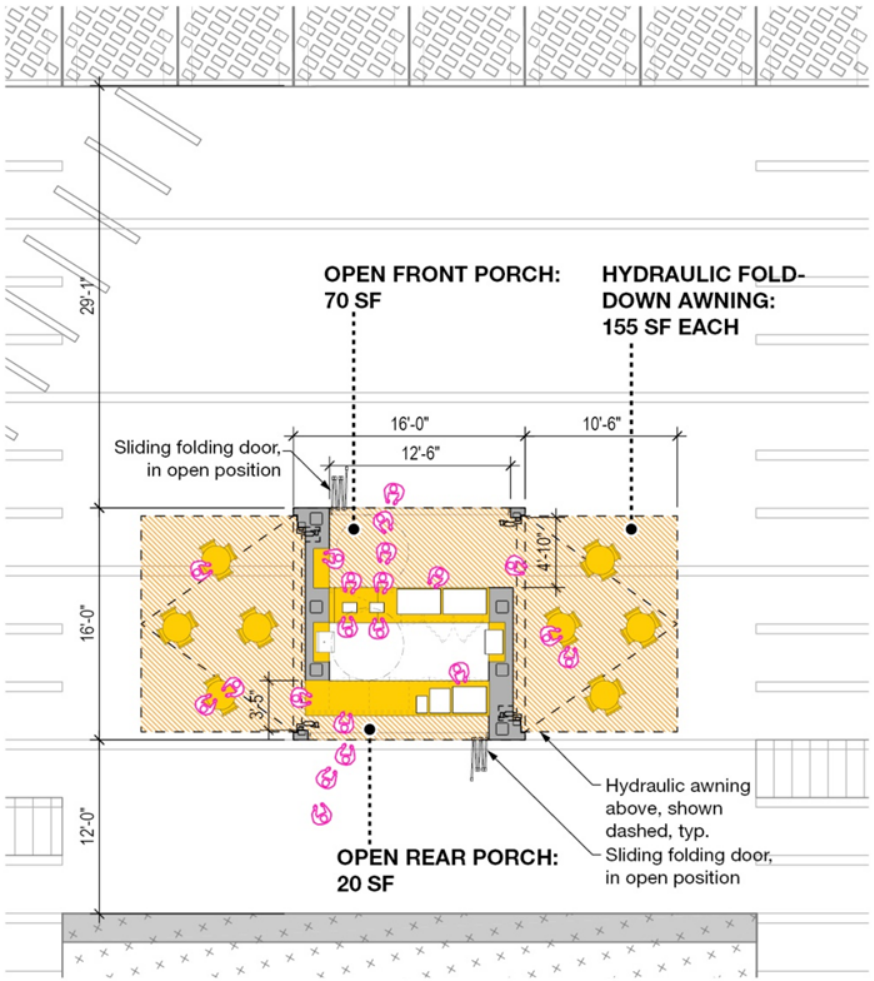


4. SHELTER & OPENINGS

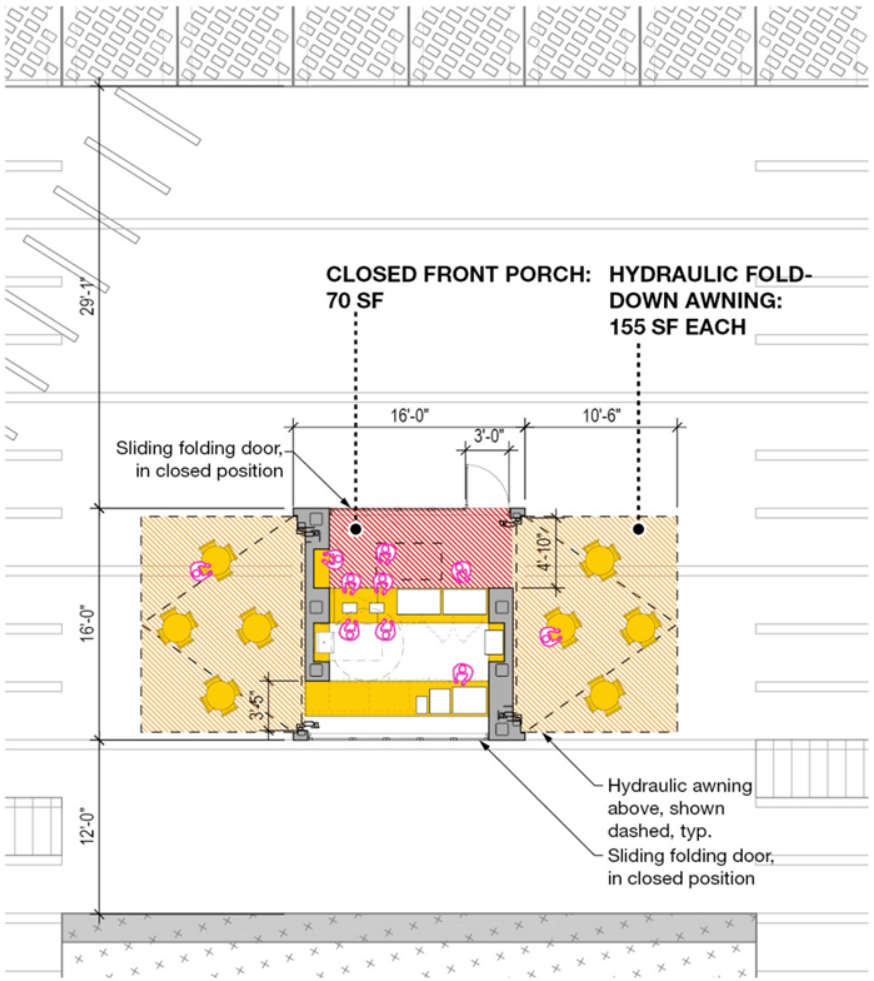


SHELTER: HYDRAULIC FOLD-DOWN AWNING

SCHWEISS HYDRAULIC DOORS



1. KIOSK WITH MAXIMUM SUN AND RAIN SHELTER



2. KIOSK WITH INTERIOR SHELTER

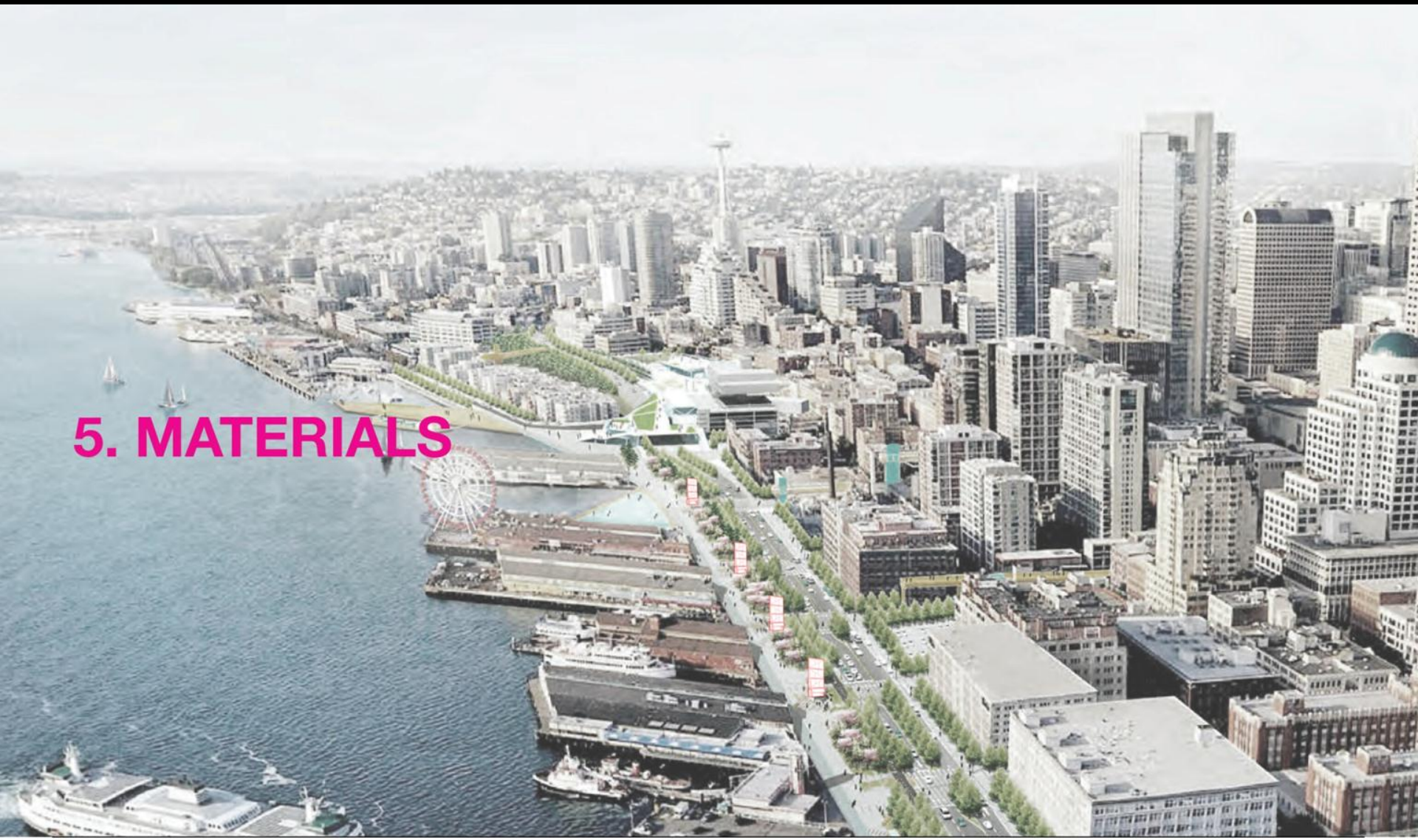
FLEXIBLE CONFIGURATIONS OF AWNING AND DOORS

KIOSK WITH MAXIMUM SUN AND RAIN SHELTER

KIOSK WITH INTERIOR SHELTER

FULLY CLOSED KIOSK

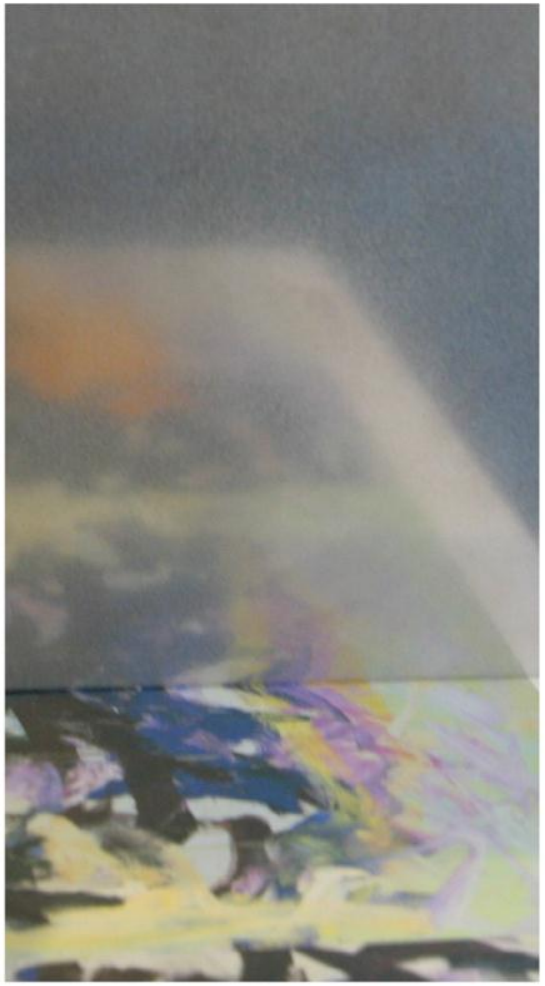
VIEW NORTH



5. MATERIALS

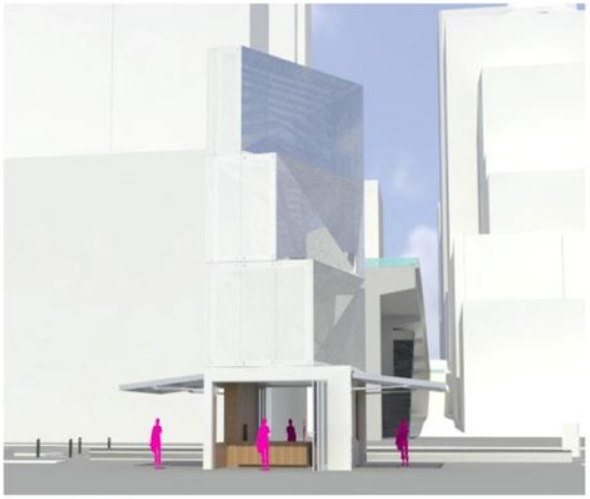
CHROME FRIT GLASS

WHITE TRANSLUCENT GLASS

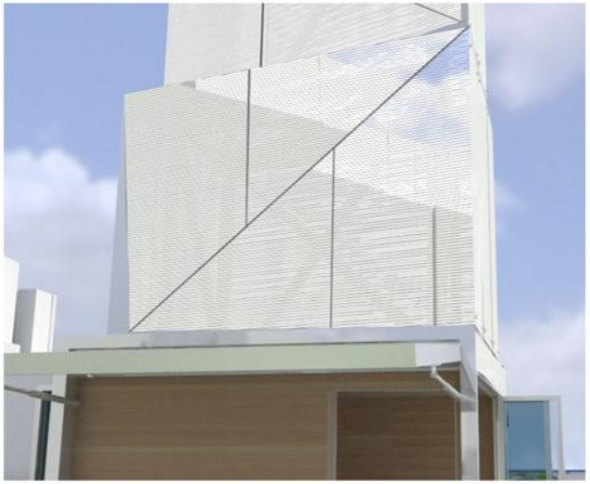


STAINLESS STEEL W/ REFLECTIVE FINISH

EXTERIOR MATERIALS



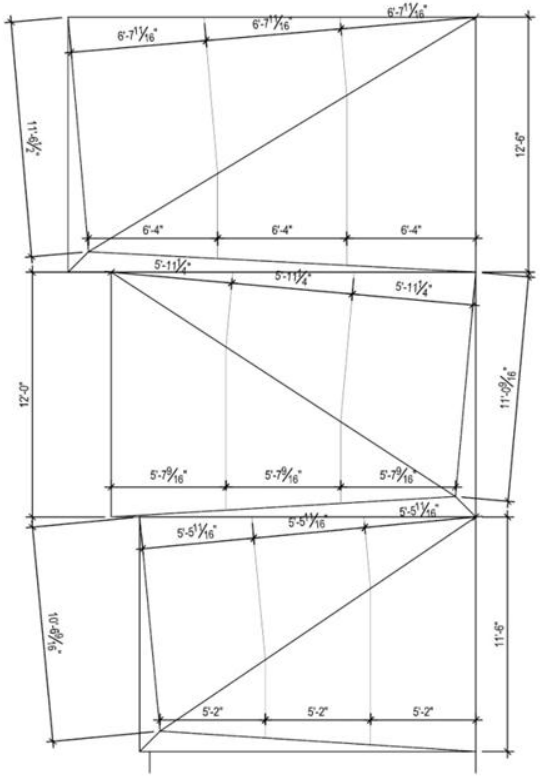
DOT PATTERN
1" diameter dot frit + 1 1/4" spacing o.c.



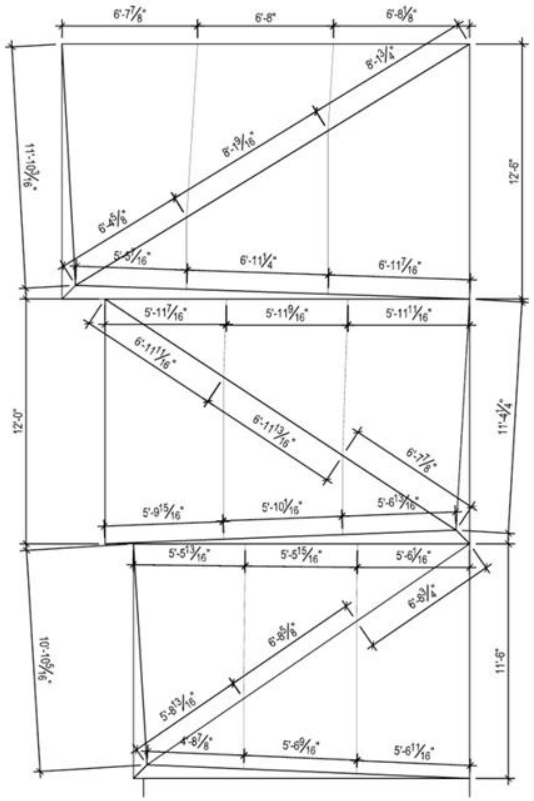
HORIZONTAL LINE PATTERN
1" line + 1/4" spacing, horizontal stripes

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

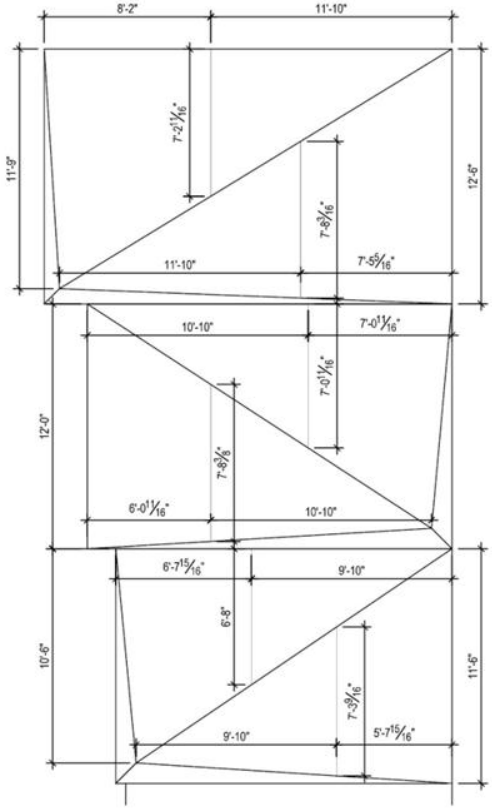
EXTERIOR MATERIALS STUDIES
CHROME FRIT GLASS PATTERN OPTIONS



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

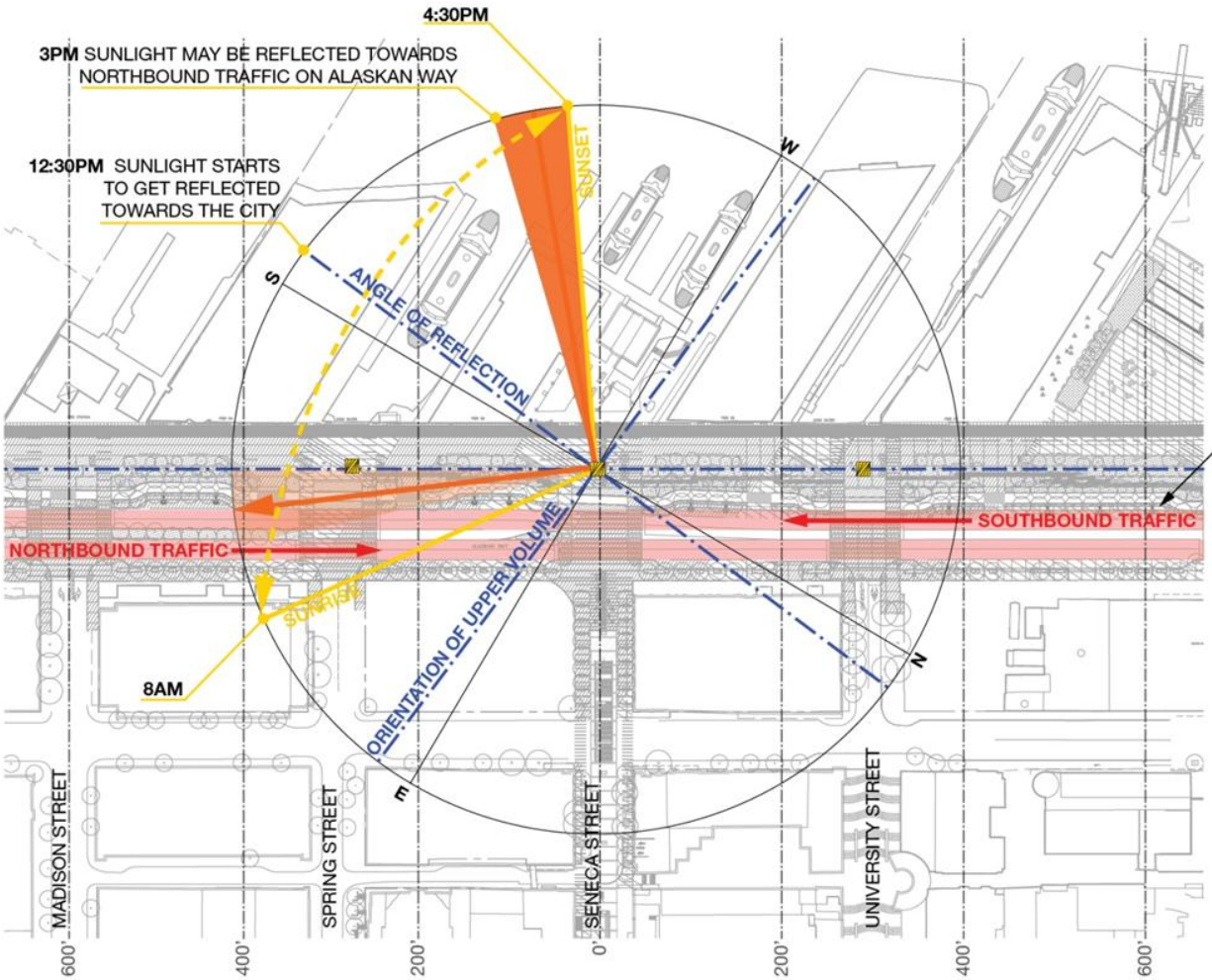
OPT. B: RESIN-IMPREGNATED WOOD PLANKS

INTERIOR MATERIALS

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

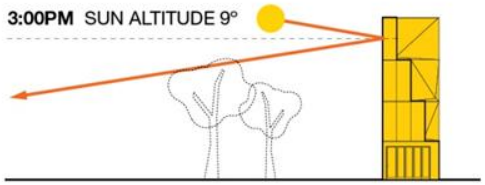
OPT. B: FULL HEIGHT OPEN STORAGE NICHES WITH BLUE LINING

6. REFLECTIVITY AND GLARE

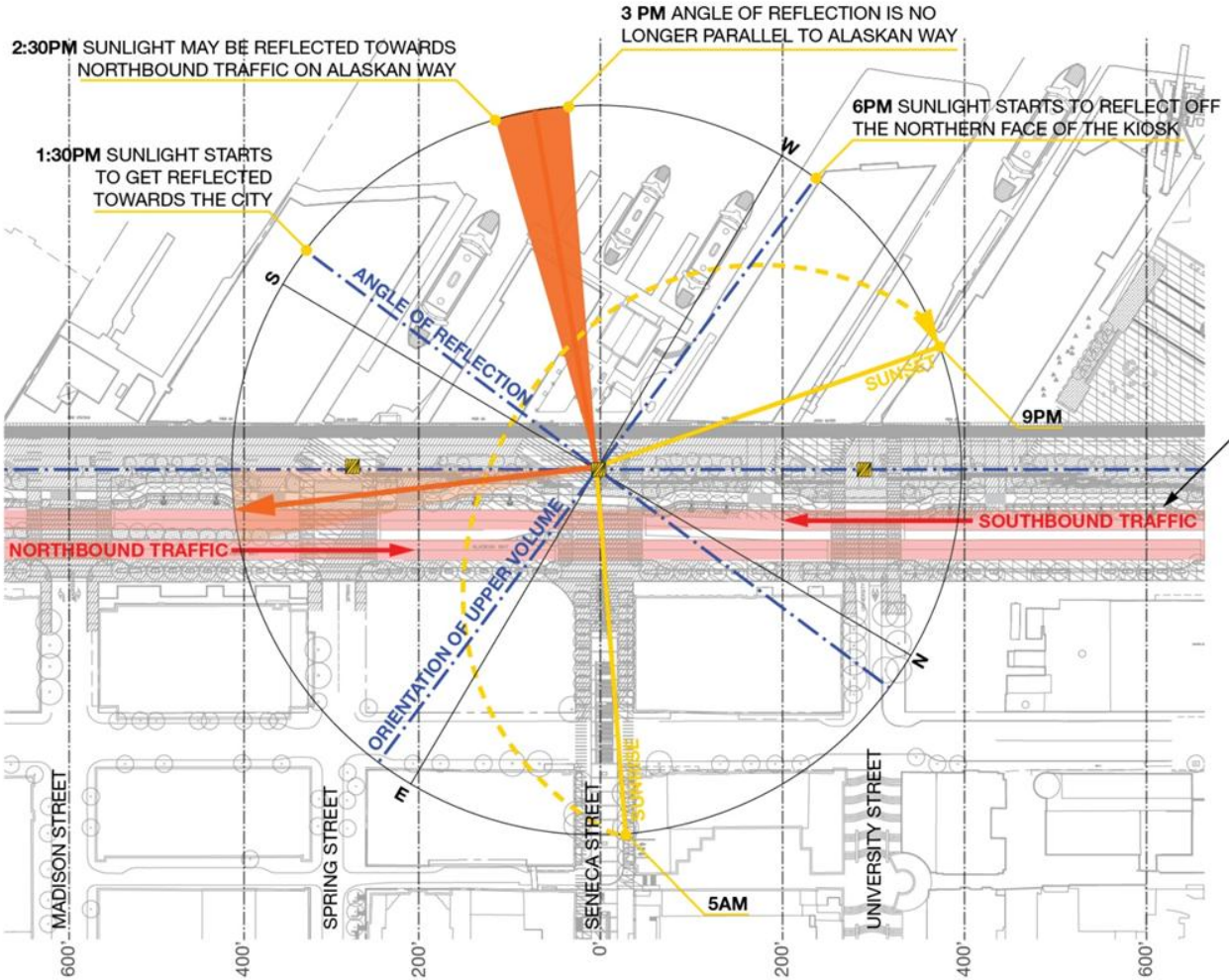


CONCLUSION:
During the winter, sunlight can be reflected towards northbound traffic between 3pm and 4:30pm. However, at that time, the sun is very low on the horizon and most likely will be blocked by topography, buildings or clouds - risk of glare will be minimal.

SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC



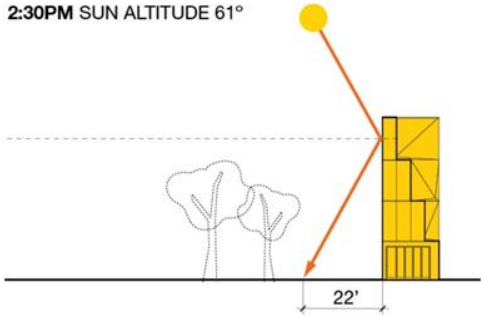
POTENTIAL GLARE FROM REFLECTIONS DRIVING ON ALASKAN WAY (DECEMBER 21)



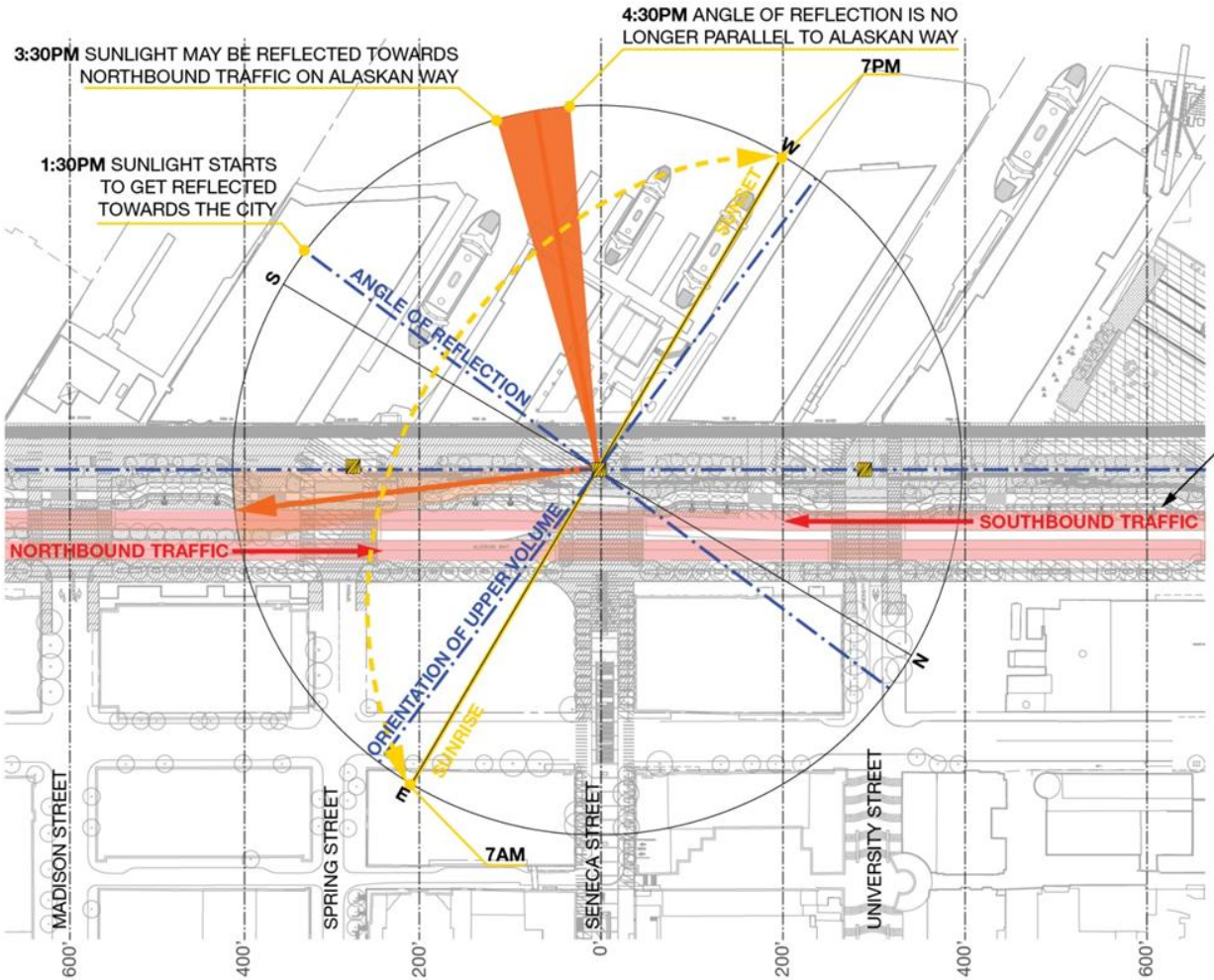
CONCLUSION:
During the summer, sunlight can be reflected towards northbound traffic between 2:30pm and 3pm. However, at that time, the sun is high and the reflected light will shine down at an angle almost perpendicular to the ground - risk of glare is minimal.

SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC

2:30PM SUN ALTITUDE 61°

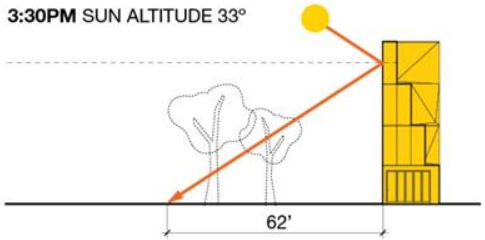


POTENTIAL GLARE FROM REFLECTIONS DRIVING ON ALASKAN WAY (JUNE 21)

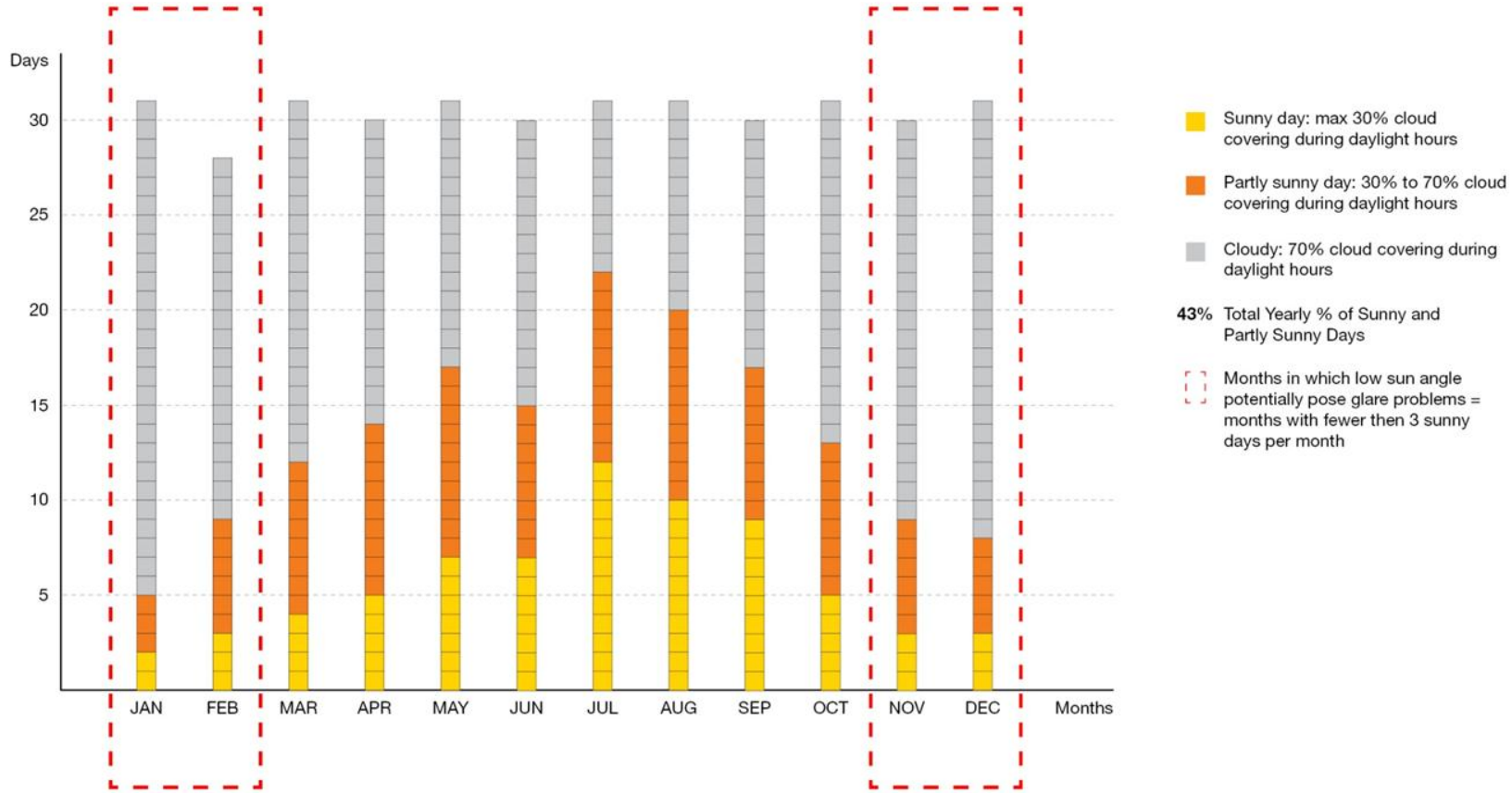


CONCLUSION:
During the fall and spring, sunlight can be reflected towards northbound traffic between 3:30pm and 4:30pm. However, at that time, the sun is high and the reflected light will shine down at an angle of 33° from the ground. Northbound traffic may be affected by the reflected light when within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

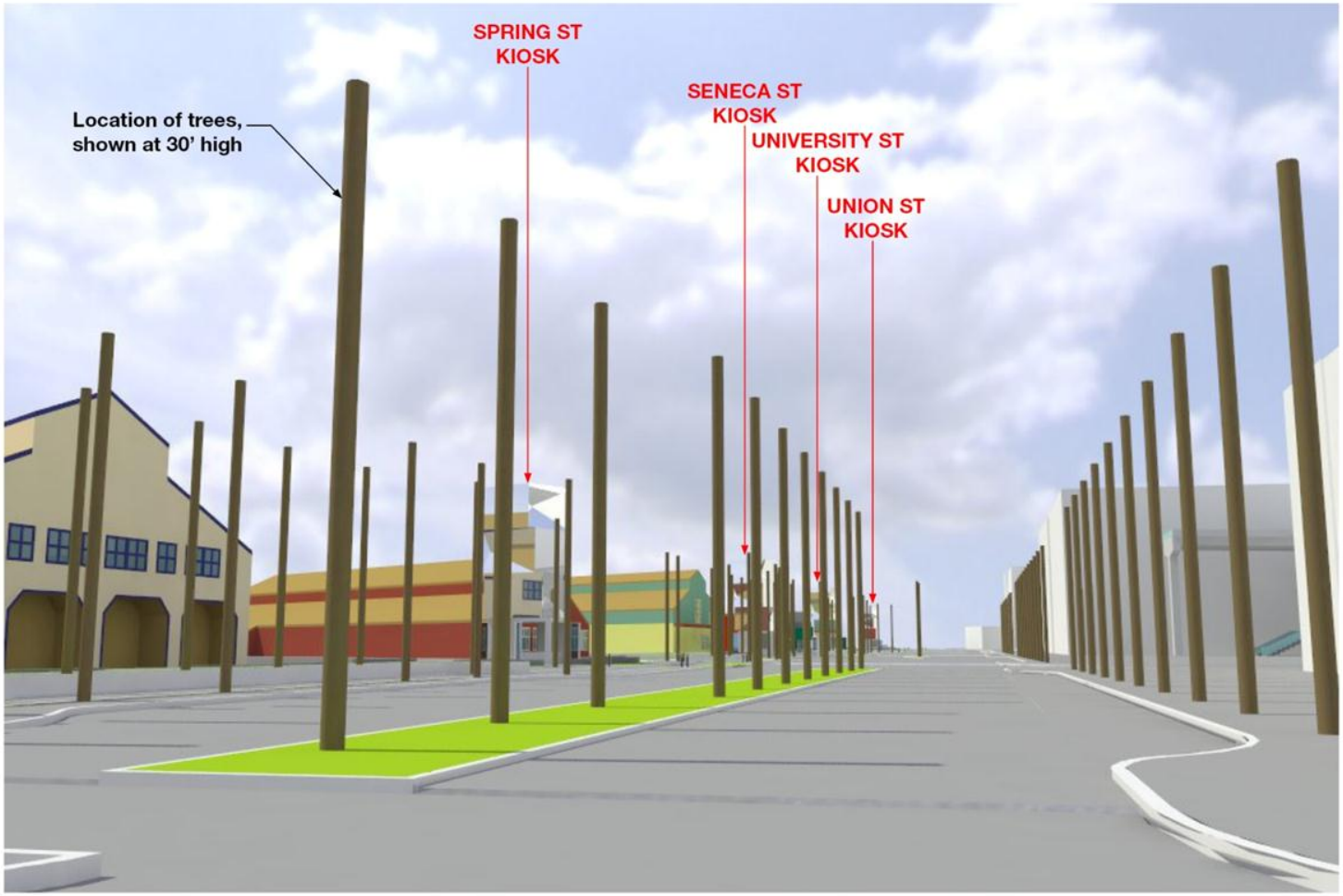
SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC



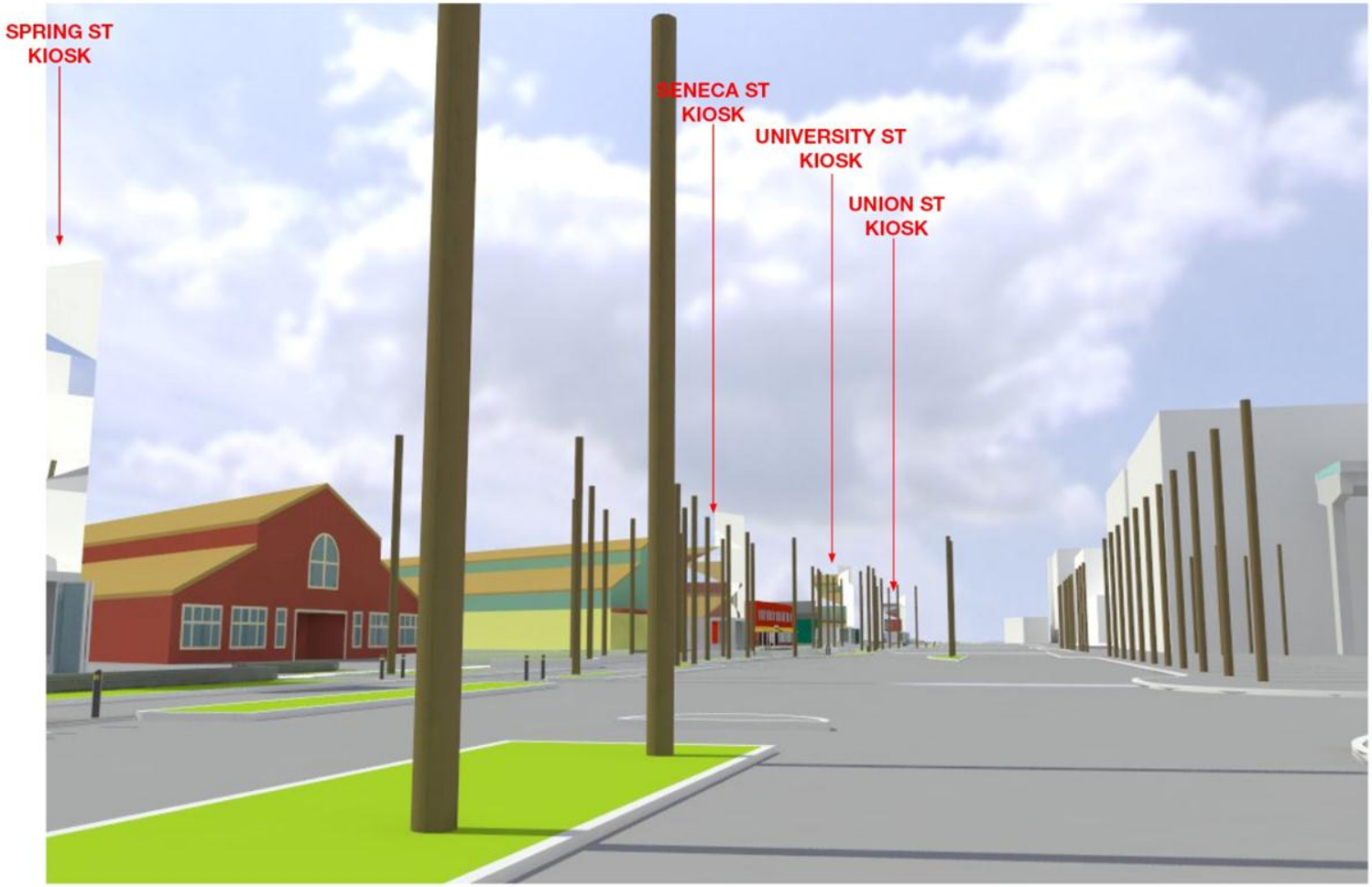
POTENTIAL GLARE FROM REFLECTIONS DRIVING ON ALASKAN WAY (MARCH 20/SEPTEMBER 23)



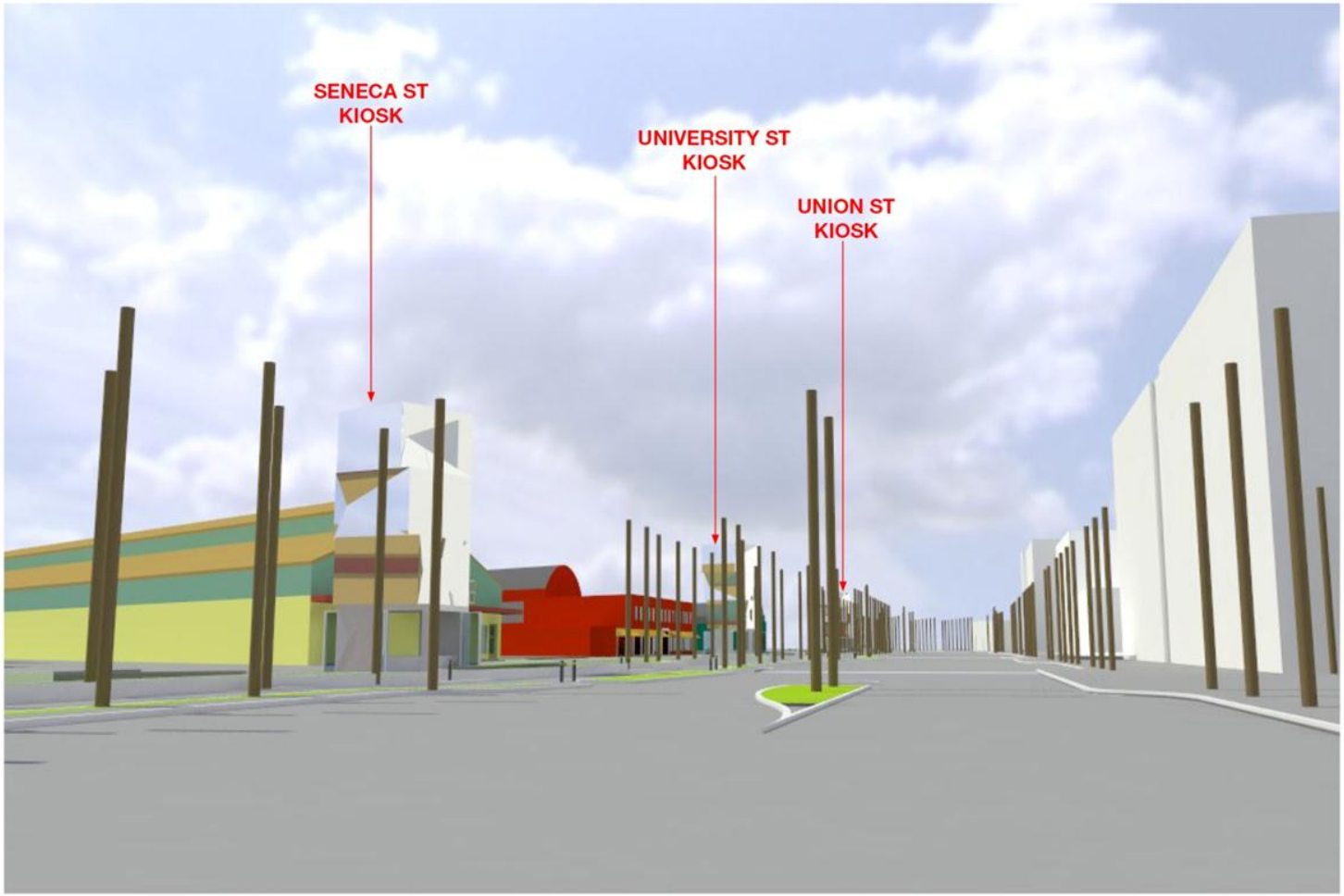
SUNNY & PARTLY SUNNY DAYS PER MONTH



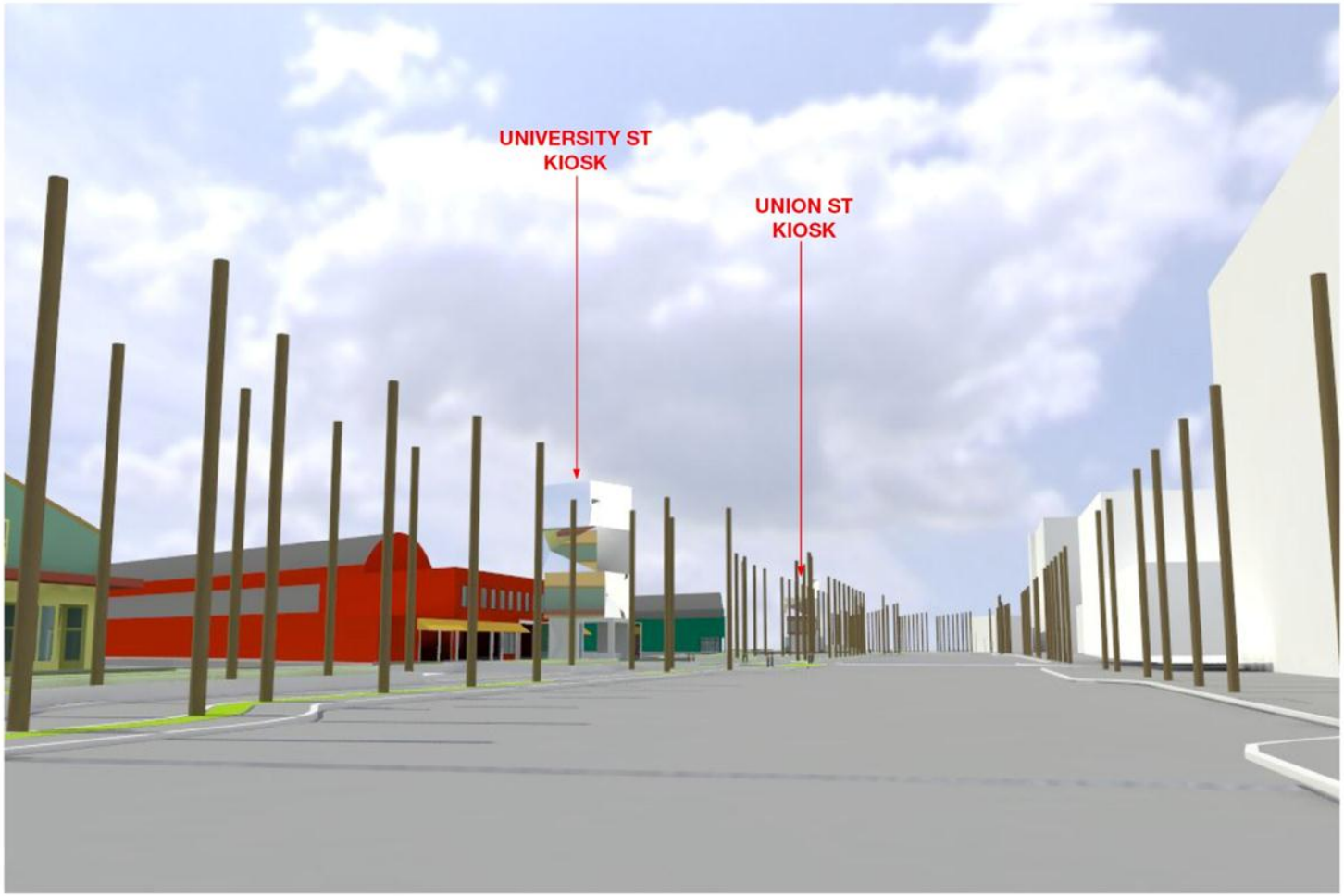
VIEW NORTHBOUND LANE
MADISON STREET (0')



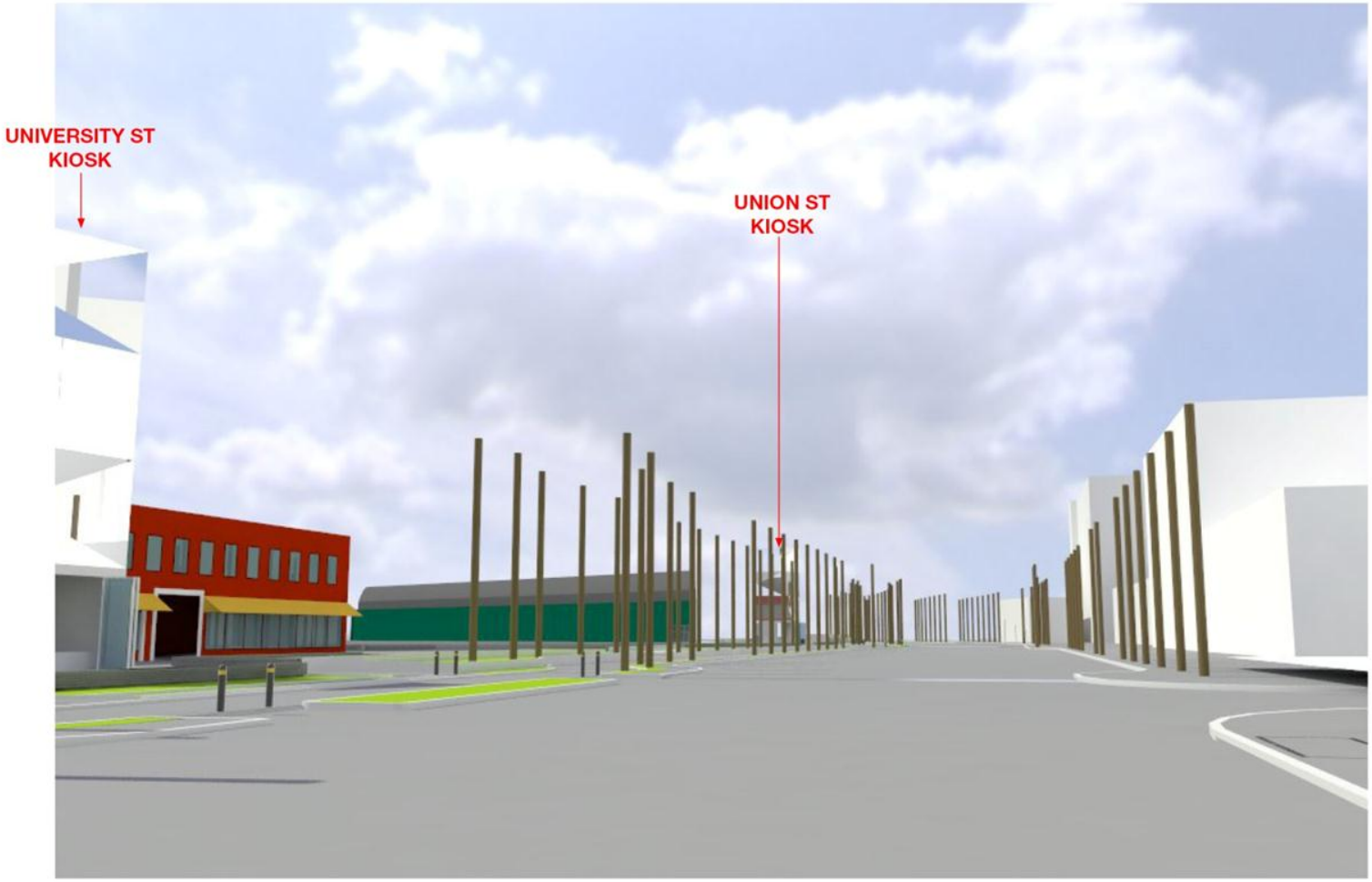
VIEW NORTHBOUND LANE
200'



VIEW NORTHBOUND LANE
400'



VIEW NORTHBOUND LANE
SENECA STREET (600')

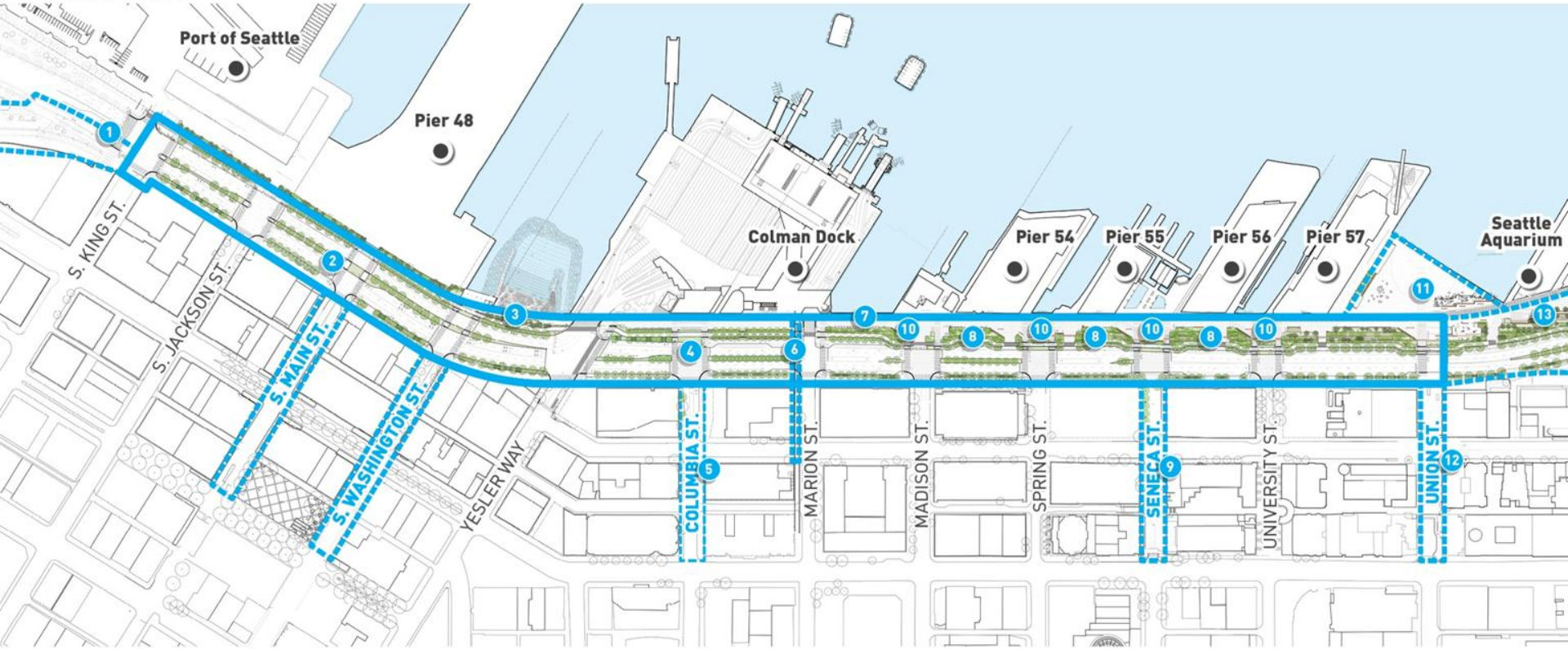


VIEW NORTHBOUND LANE
800'

MAIN CORRIDOR SOUTH OF UNION

CURRENT SITE PLAN

OCTOBER 2014



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

0' 50' 100' 200' N

END