

**SOUTH PORTAL DESIGN COMMISSION MEETING**

June 7, 2012

## LANDSCAPE CONCEPT

Pull the powerful forested landscape westward from the Mountains.

Frame the entry into the city for drivers as they rise over Atlantic Street.

Transition to the order and lower speed of the city with street trees and the language of the “boulevard” of Alaskan Way.

Coordinate with Central Waterfront. Treat South Dearborn as the first intersection arriving at the waterfront.

urban  
street trees  
linear deciduous

landing point

connect E-W

crisp  
angles, folds  
play with perspective

increased canopy

consider  
scale at edges

framed city views

clustered evergreen

urban at street

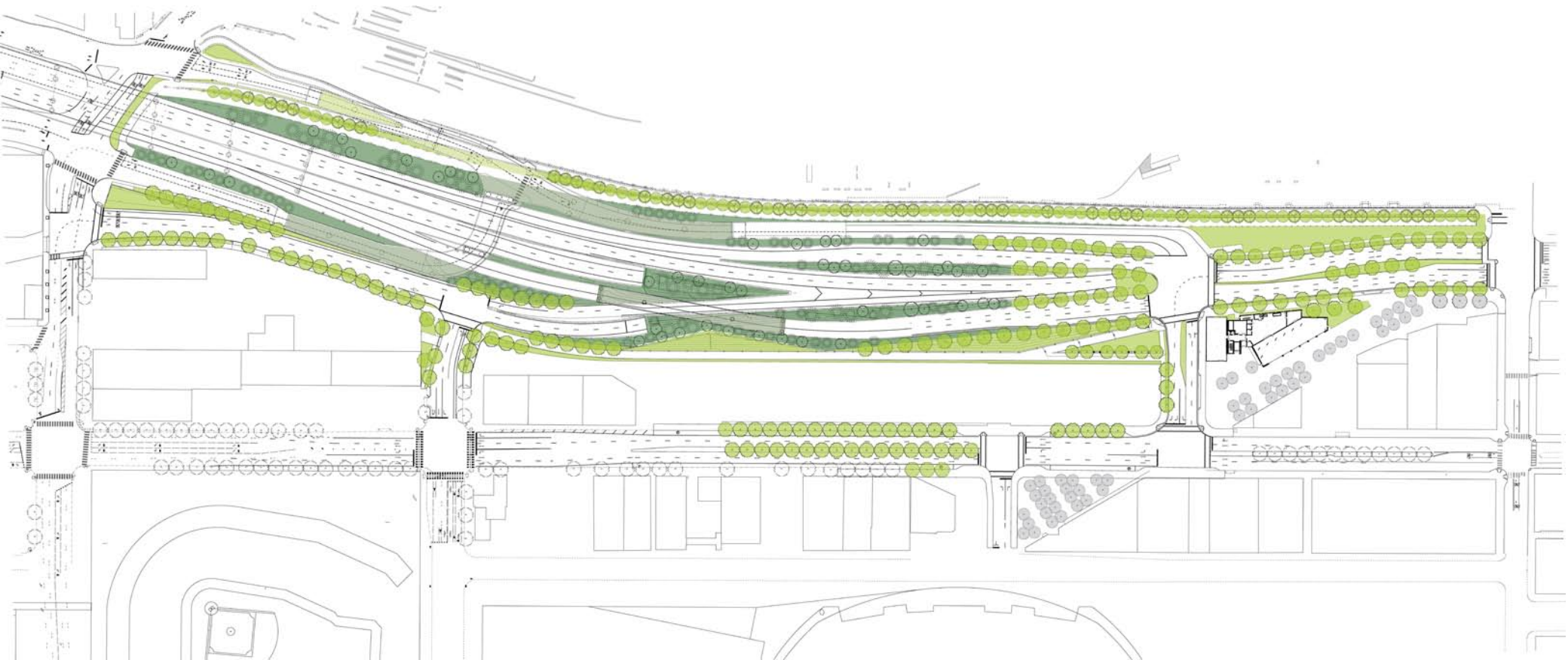


Take cues from the crisp, angular approach taken in the Olympic Sculpture Park, adapted to the landscape opportunities at the portal.

Take advantage of opportunities for views through to the Port activities and water.

Take an attitude toward the edges that supports the overall concept and addresses the scale of zones where people will walk or cycle.

## SOUTH PORTAL AREA URBAN VS. NON-URBAN



URBAN

NON-URBAN

## SOUTH PORTAL AREA SUSTAINABILITY




### INFILTRATION CONSTRAINTS

- High groundwater in project area with tidal influence (former tideflat)
- Deeper groundwater “capped” by fill layer with low permeability
- Groundwater elevations likely higher after construction:
  - fill “cap” penetrated by pilings
  - lateral groundwater movement obstructed by tunnel shoring walls

### STORMWATER STRATEGIES

- Maximize tree canopy and include evergreen species for year-round benefit
- Direct runoff from Port-side Trail and portions of City-side Trail towards landscape areas
- Maximize soil depth over structure to decrease runoff

### LEGEND

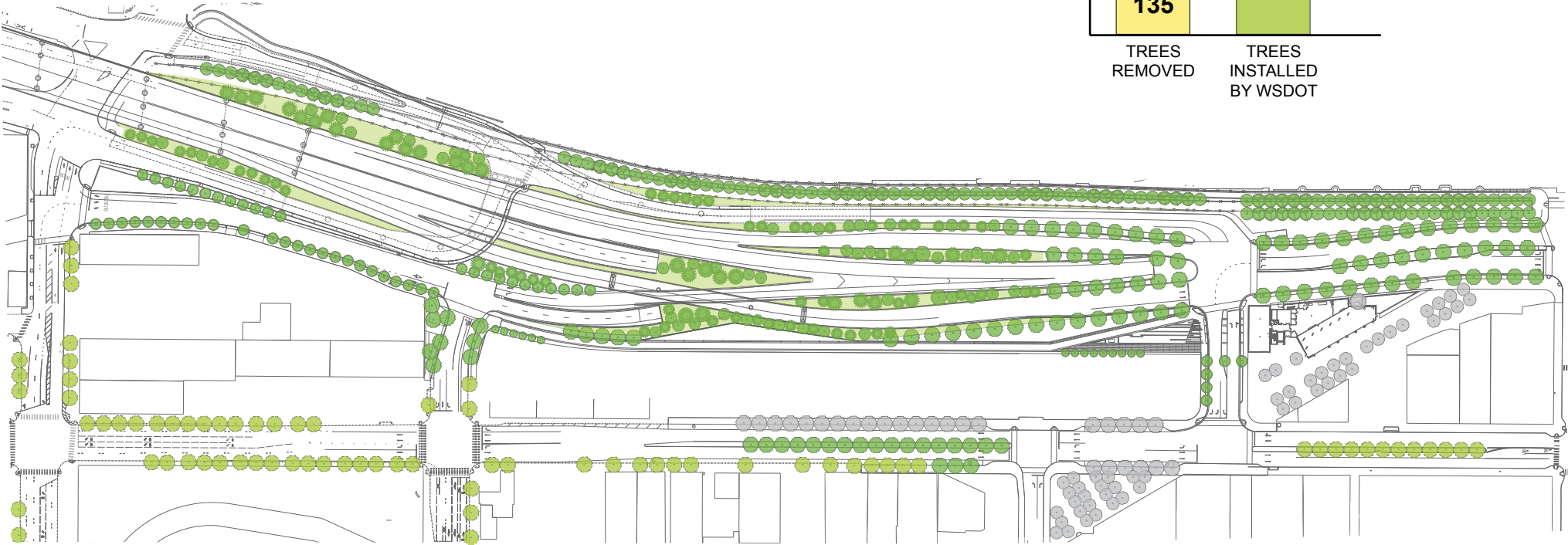
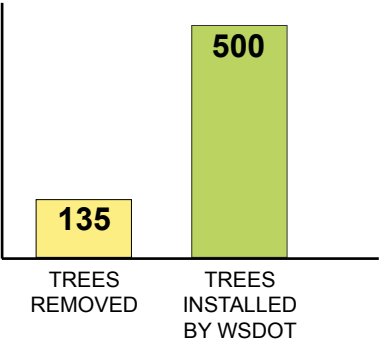
	PERVIOUS (3.5 ACRES)
	IMPERVIOUS - DRAINS TO LANDSCAPED AREAS (1.4 ACRES)
	IMPERVIOUS (17.9 ACRES)








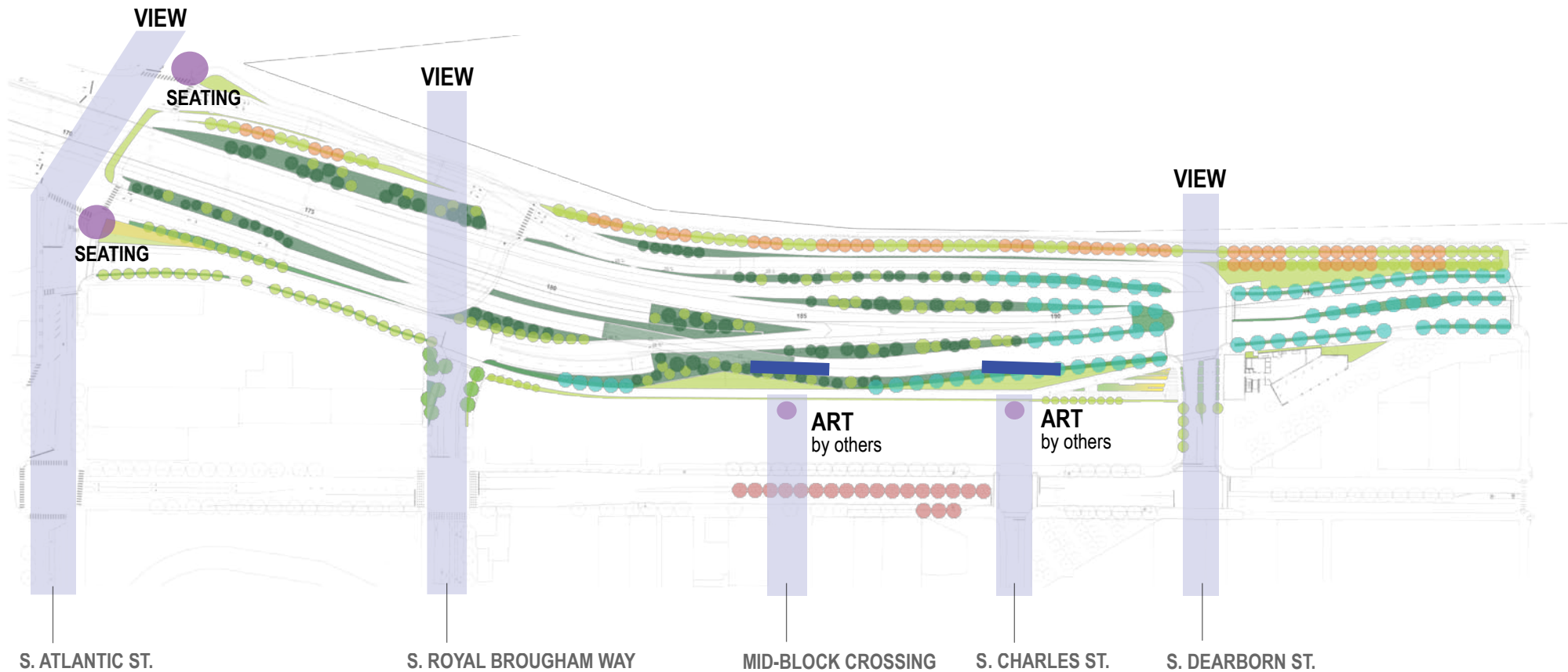
SOUTH PORTAL AREA SUSTAINABILITY

INCREASE IN TREE CANOPY



-  EXISTING TREES
-  TREES INSTALLED BY SOUTH ACCESS PROJECT
-  TREES INSTALLED BY OTHERS

## EAST-WEST CONNECTIONS



## EAST-WEST CONNECTIONS





## EAST-WEST CONNECTIONS





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## EAST-WEST CONNECTIONS





EAST-WEST CONNECTIONS



EAST-WEST CONNECTIONS





**COORDINATION WITH CENTRAL WATERFRONT**





COORDINATION WITH CENTRAL WATERFRONT



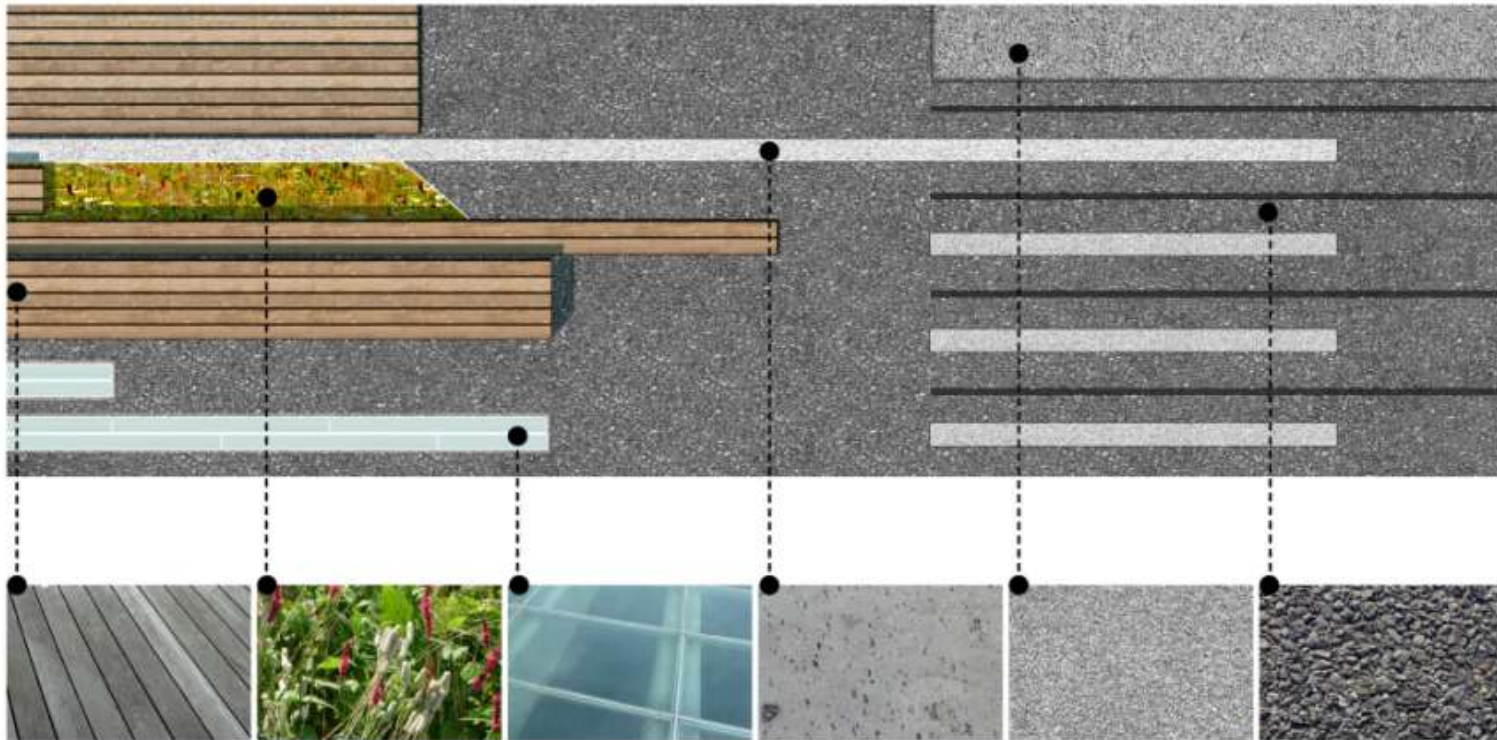
## THE TIDELINES ARTICULATED



## COORDINATION WITH CENTRAL WATERFRONT

THE FLOOR

### MATERIAL PALETTE





## THE TRIANGLE SPACES

### NORTH TRIANGLE

Be bold and memorable

Serve as a forecourt for the tunnel operations building

Be legible at the large scale of the triangle, with interest at biking and walking scale

Use design language compatible with the Central Waterfront

Accommodate stormwater

Maintain a high level of function and appearance with minimal maintenance

Use a different design vocabulary than the grassy wedges

Include plantings and spaces for people to move through

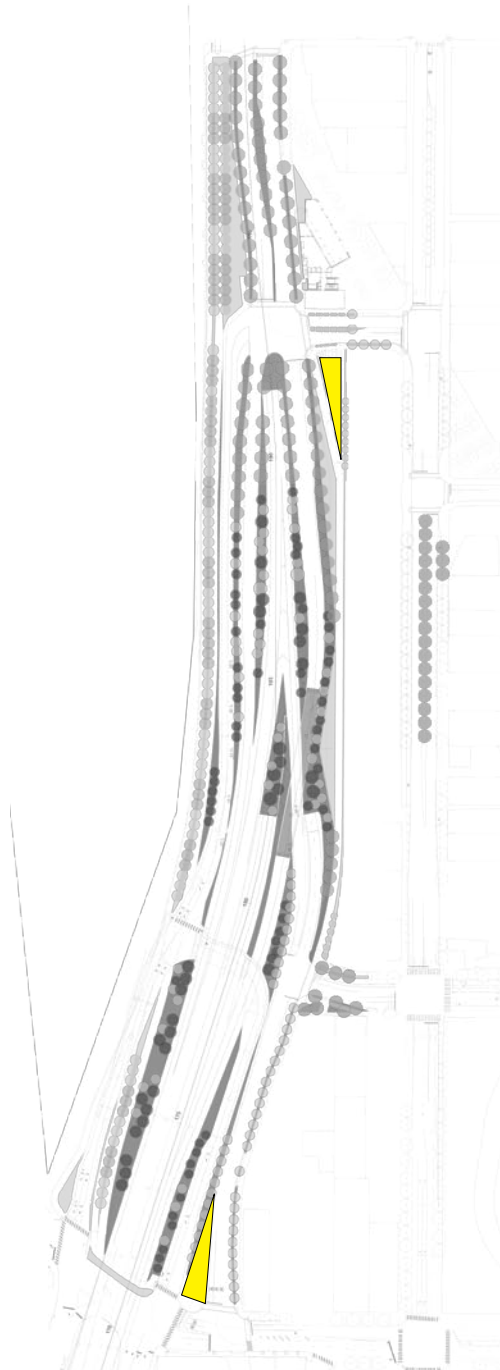
Allow flexibility for new uses as the area develops.

### SOUTH TRIANGLE

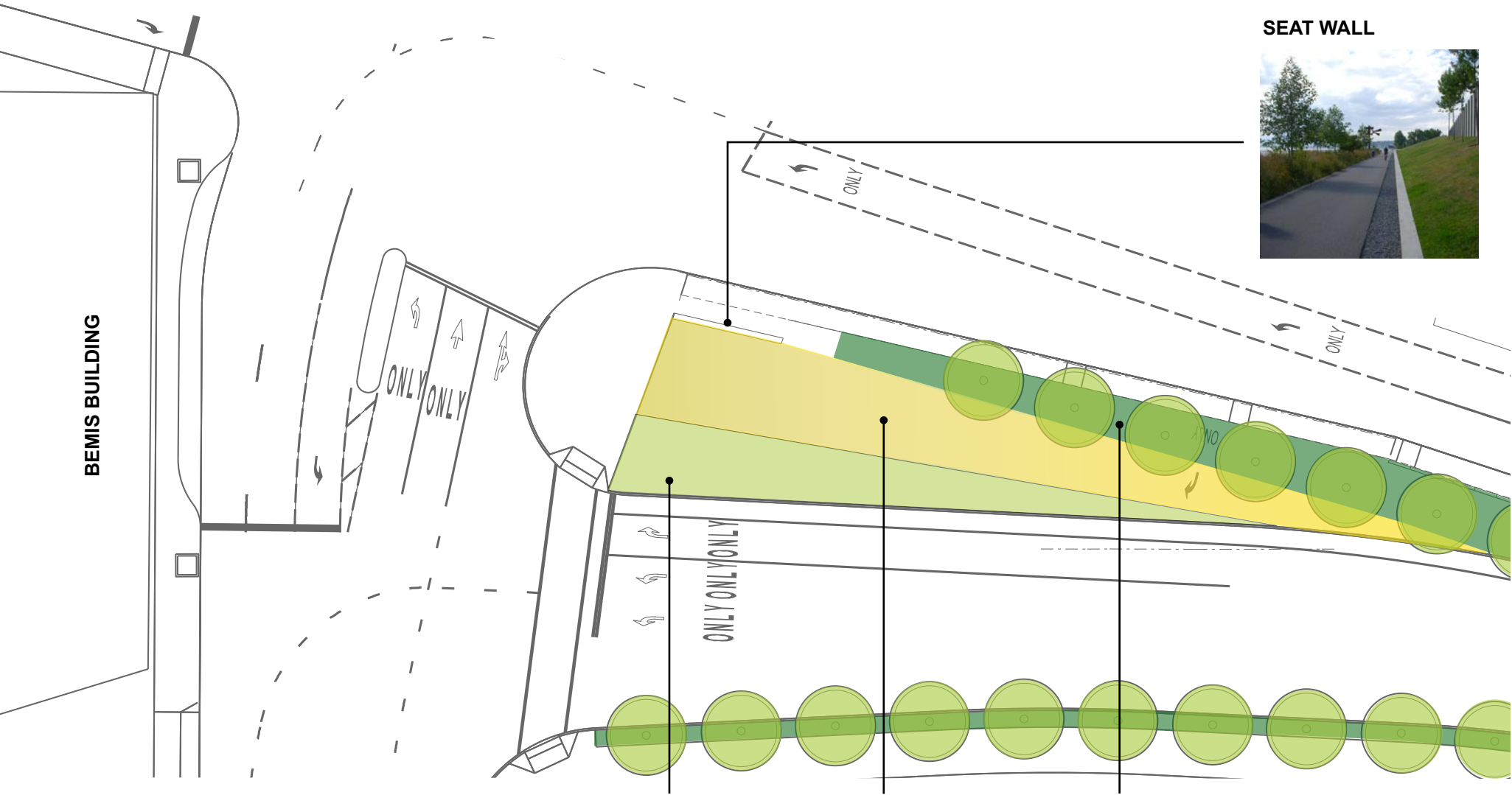
Use the design vocabulary of the North Triangle

Slow down traffic coming into the city.

Serve as a forecourt for the Bemis building



SOUTH TRIANGLE - BEMIS FORECOURT MATERIALS



SEAT WALL



PLANT CHARACTER



Dwarf Ceanothus



Autumn Moor Grass



Mt. Vernon Laurel



Salal



**SOUTH TRIANGLE - BEMIS FORECOURT**



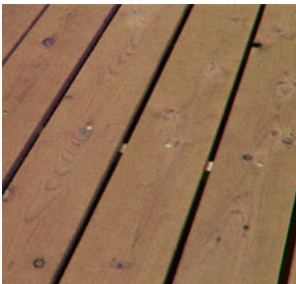
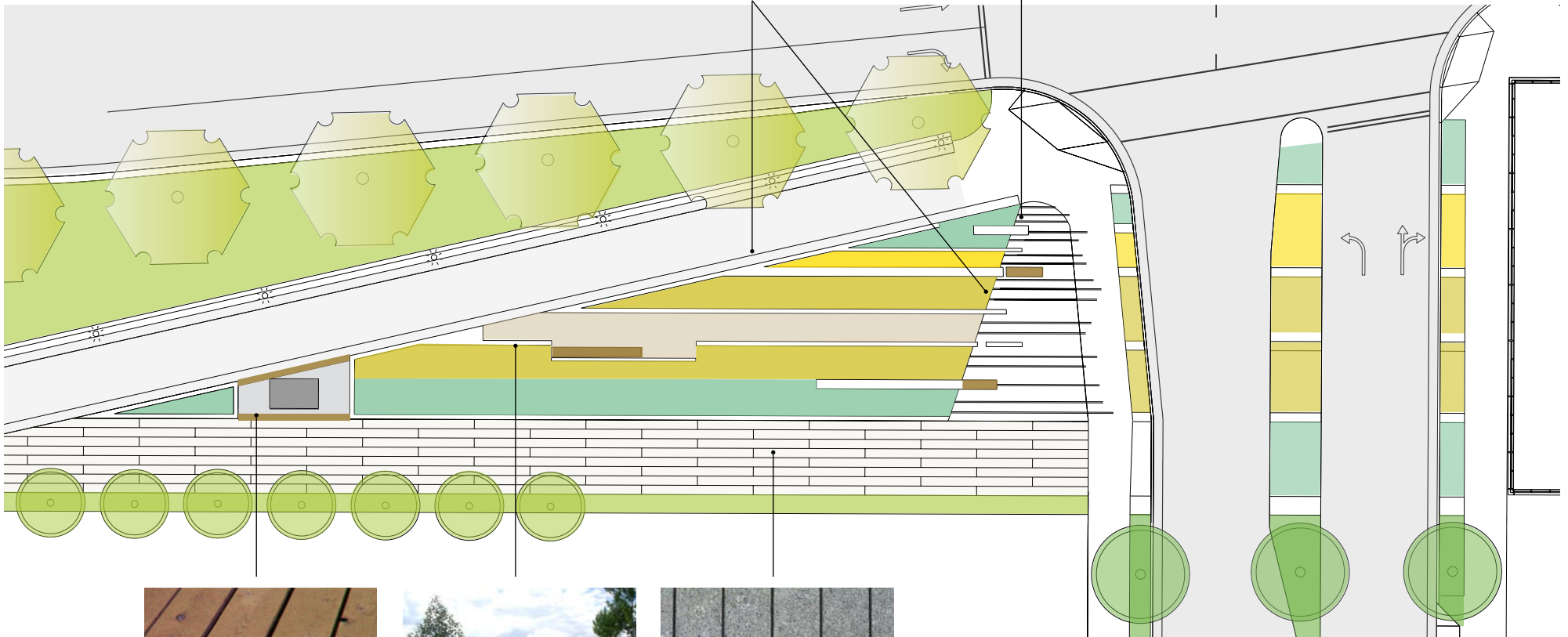
**SOUTH TRIANGLE**

## NORTH TRIANGLE - OPERATIONS FORECOURT HARDSCAPE MATERIALS

Gravel - for trail edge  
and where runnels  
meet planting



Honed concrete with  
exposed aggregate &  
runnels



Wood benches



Concrete walls

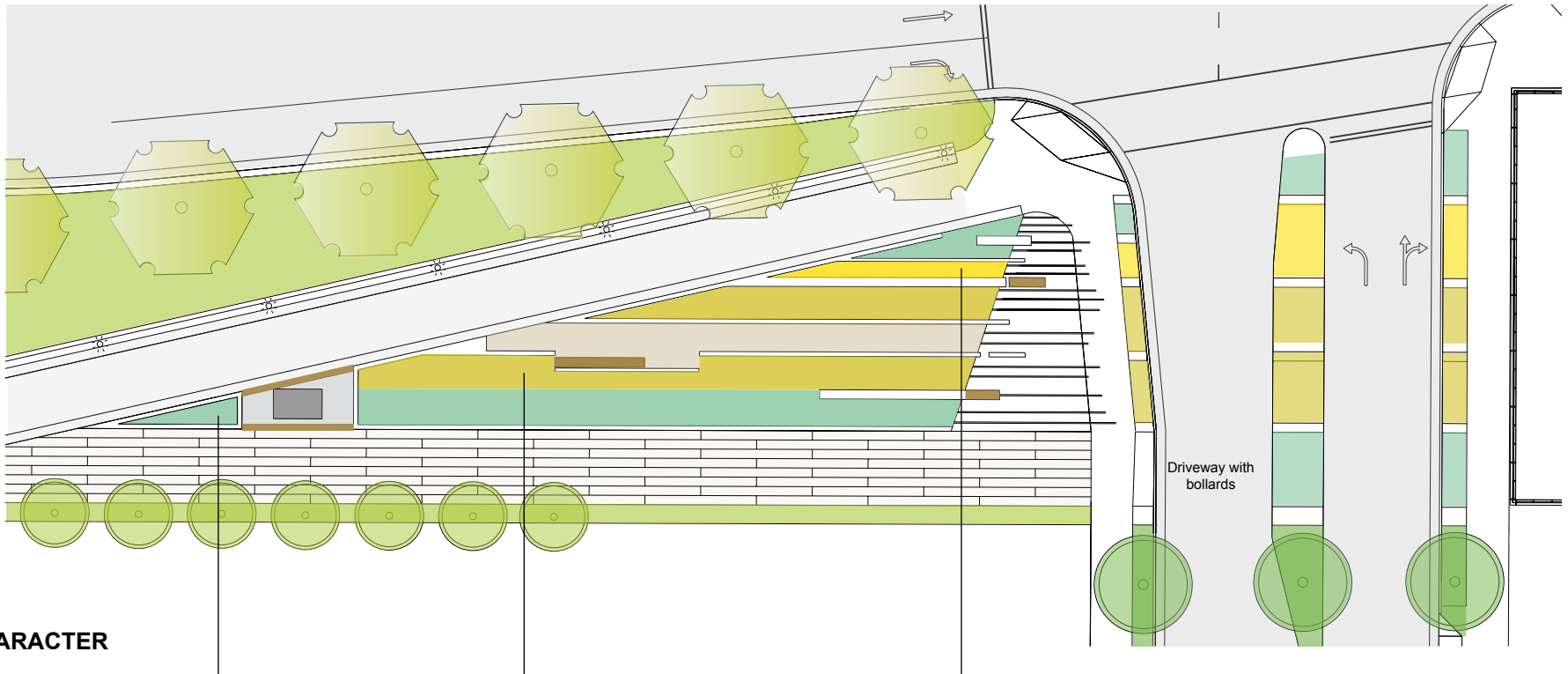


Concrete decking



## NORTH TRIANGLE - OPERATIONS FORECOURT PLANTING PLAN + CHARACTER

### FORECOURT PLANTING PLAN



### PLANT CHARACTER



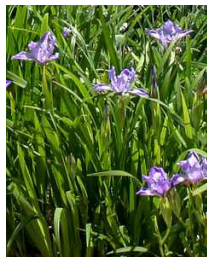
*Ceanothus 'Point Reyes'*



*Autumn Moor Grass*



*Soft Rush*



*Toughleaf Iris*



*'Avalanche'*  
*Feather Reed Grass*

## NORTH TRIANGLE - OPERATIONS BUILDING FORECOURT



### UTILIDOR

Concrete lumber evokes the character of wooden streets that used to span the tideflats

### TIDELINES FORECOURT

Carved runnels leading to bands of tall grasses and shoreline species  
Serves as a "forecourt" to the illuminated fan room at the Tunnel Operations Building

### BOULEVARD EDGE

Large street trees with evergreen hedge plantings buffer pedestrians from vehicles entering the city from SR 99



**NORTH TRIANGLE - OPERATIONS BUILDING FORECOURT**



**NORTH TRIANGLE**



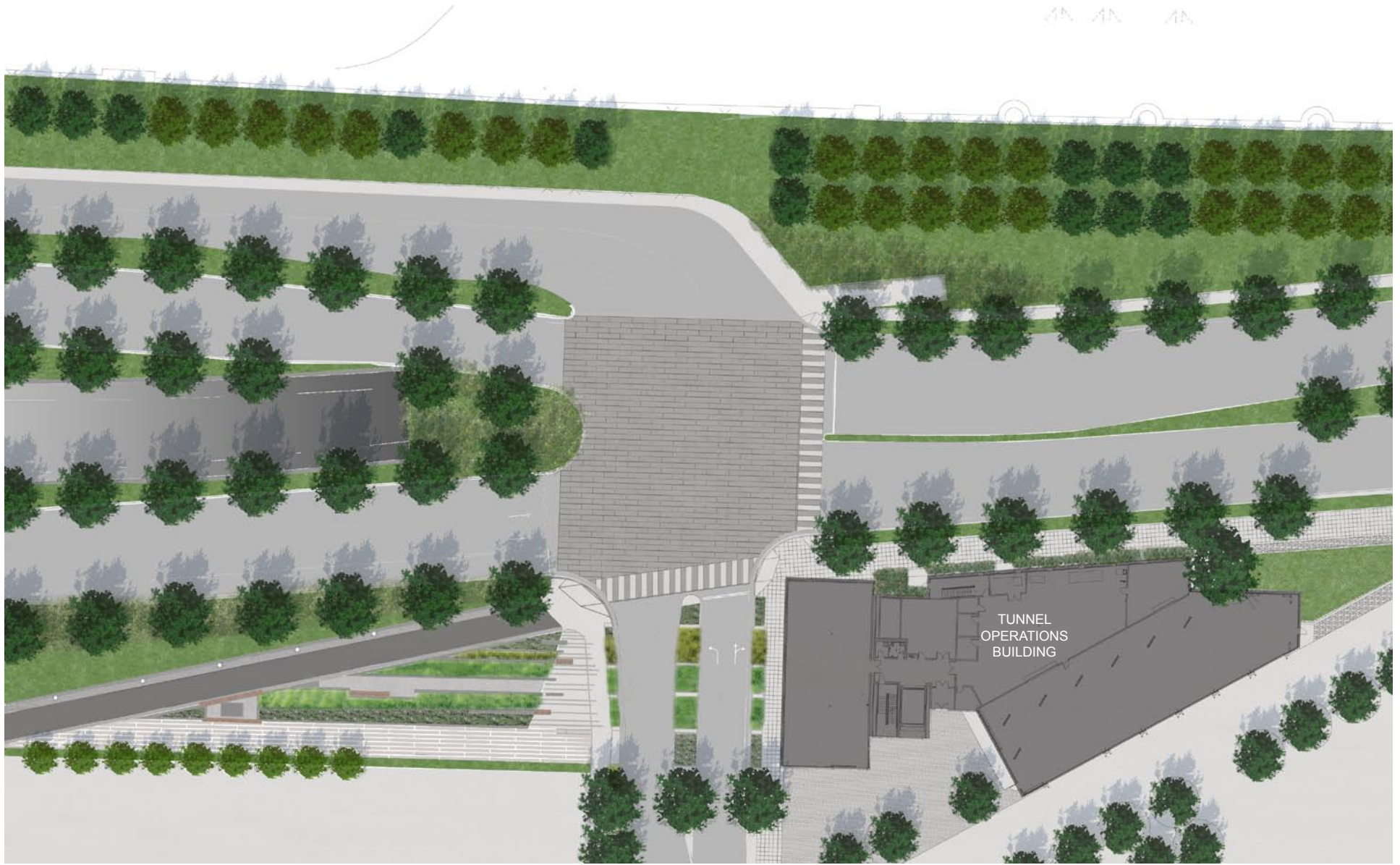
**NORTH TRIANGLE - OPERATIONS BUILDING FORECOURT**



**NORTH TRIANGLE (ENLARGED PLANTER VIEW)**



## THE INTERSECTION AT DEARBORN



## THE INTERSECTION AT DEARBORN

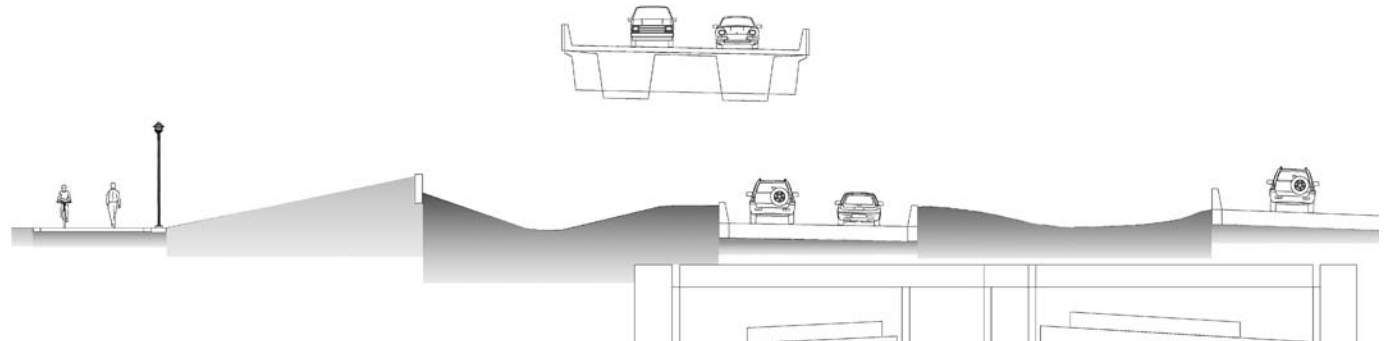




## SOUTH PORTAL AREA - NOISE REDUCTION AT CITY SIDE TRAIL

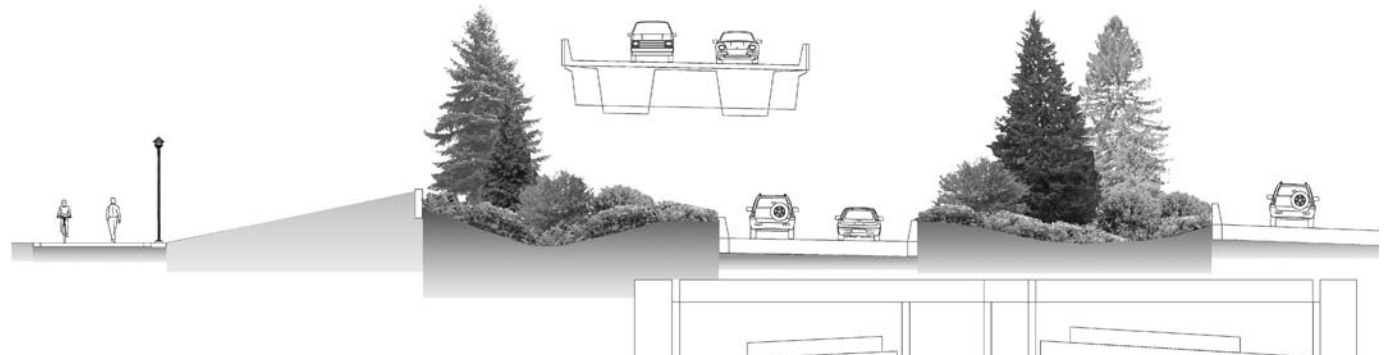
### EARTHEN BERM

- Landform provides sound buffering between City-side Trail and highway.
- Slope factor on berm increases the distance noise has to travel.

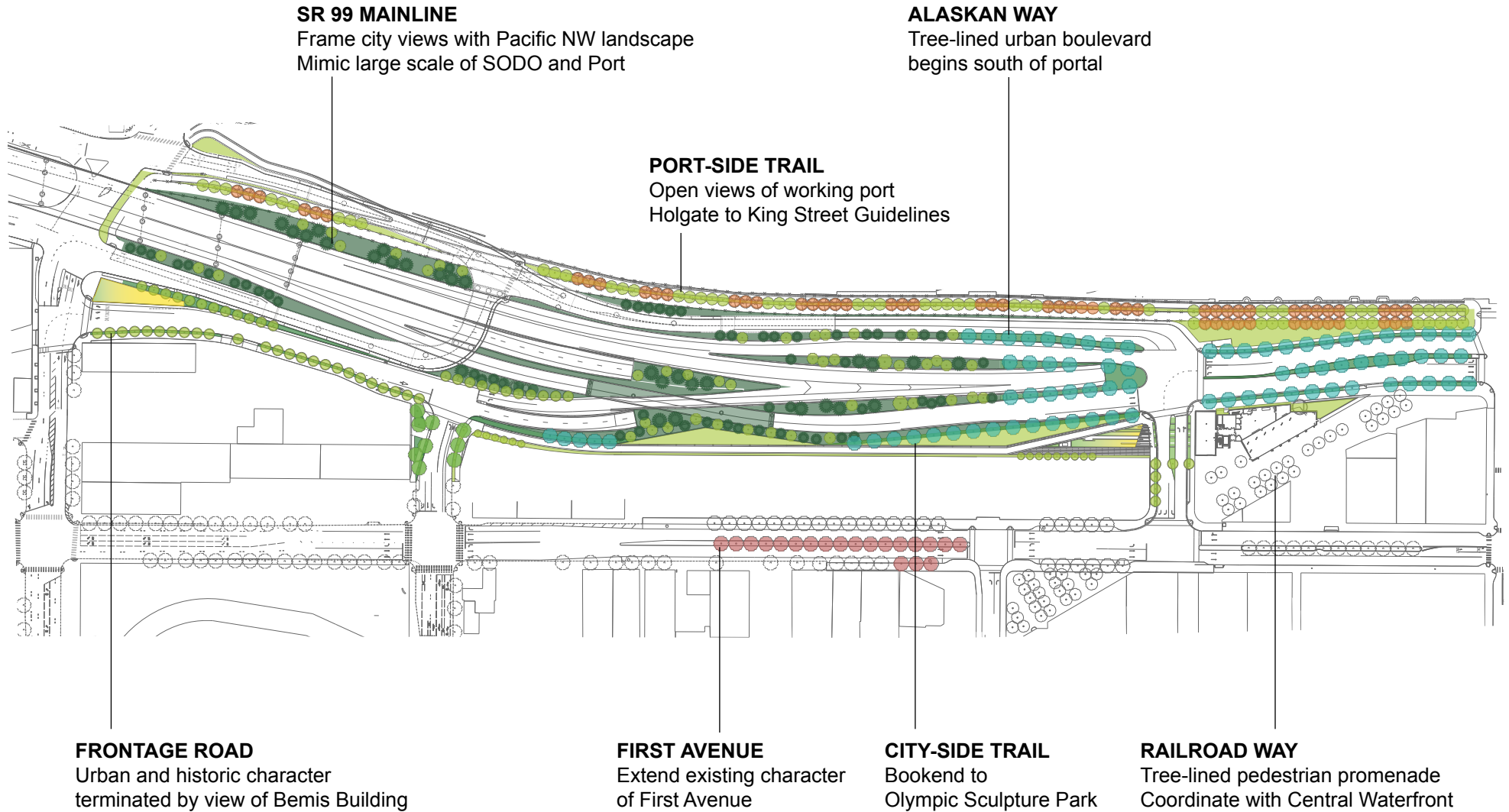


### ROBUST PLANTINGS

- Multi-layered plantings create an insular environment for trail users.
- Thick buffer of vegetation screens trail users and adjacent properties from highway, reducing perception of noise.



## SOUTH PORTAL AREA LANDSCAPE ZONES



- GRASS WEDGE
- URBAN STREETSCAPE
- FORECOURT ELEMENT
- PACIFIC NW NATIVE



## SOUTH PORTAL AREA - STREET TREE SELECTION

### PORT-SIDE TRAIL



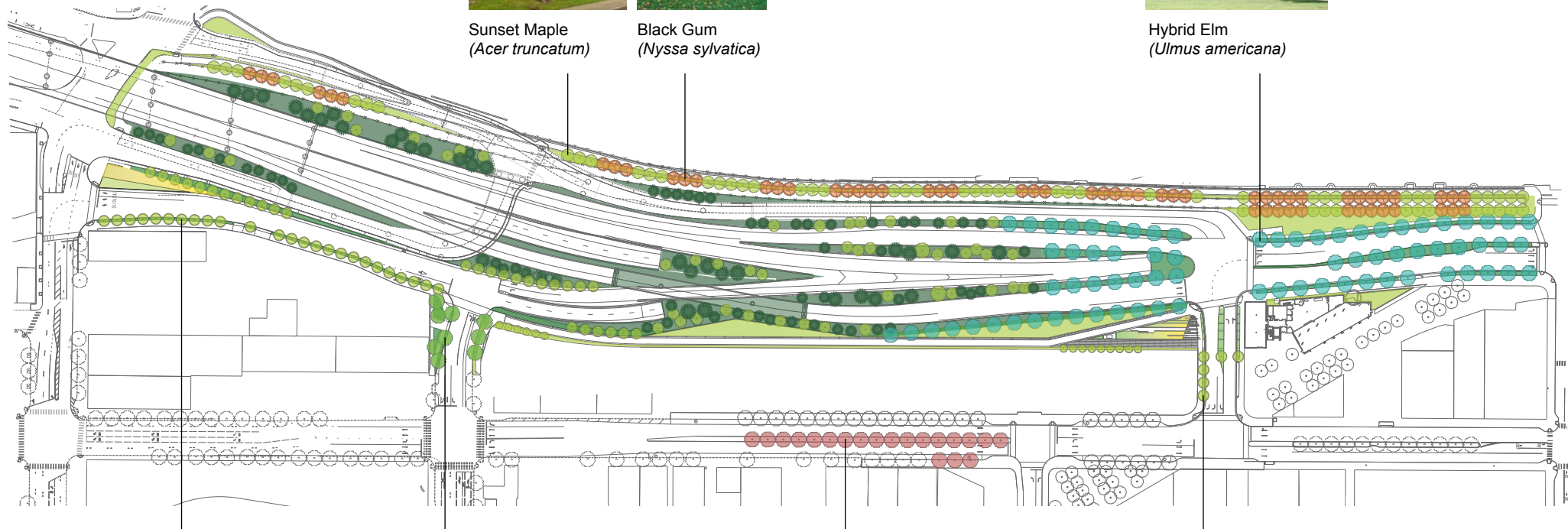
Sunset Maple  
(*Acer truncatum*)

Black Gum  
(*Nyssa sylvatica*)

### ALASKAN WAY BOULEVARD



Hybrid Elm  
(*Ulmus americana*)



### FRONTAGE ROAD



Black Maple 'Greencolumn'  
(*Acer nigrum*)

### ROYAL BROUGHAM



Zelkova 'Village Green'  
(*Zelkova serrata*)

### FIRST AVENUE



London Plane  
(*Platanus acerifolia*)

### DEARBORN



Black Maple  
(*Acer nigrum*)

## SOUTH PORTAL AREA - NON-URBAN TREE SELECTION

### WIDE AREAS



Sitka Spruce  
(*Picea sitchensis*)



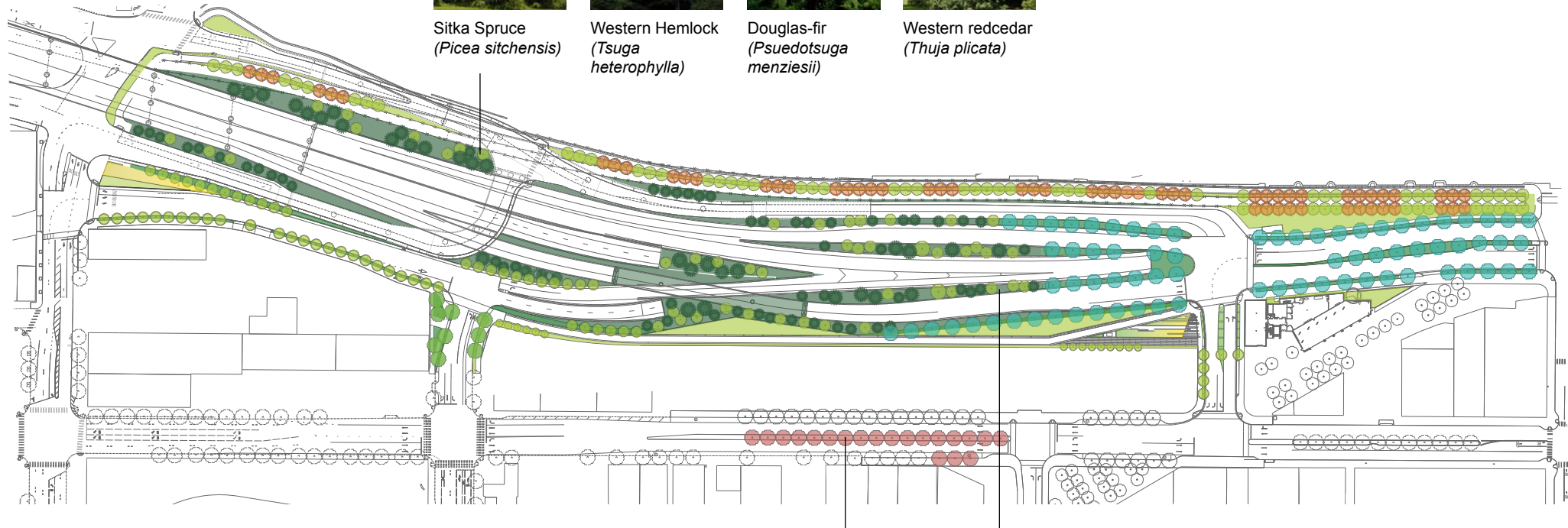
Western Hemlock  
(*Tsuga heterophylla*)



Douglas-fir  
(*Pseudotsuga menziesii*)



Western redcedar  
(*Thuja plicata*)



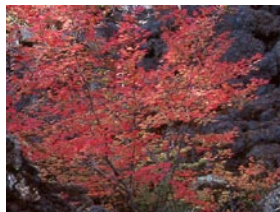
### DECIDUOUS TREES



*Cornus nuttallii* 'Eddies  
White Wonder'



Serviceberry  
(*Amelanchier grandiflora*)



Vine Maple  
(*Acer circinatum*)

### NARROW AREAS



Incense-cedar  
*Calocedrus decurrens*



Excelsa Cedar  
*Thuja plicata* 'Excelsa'

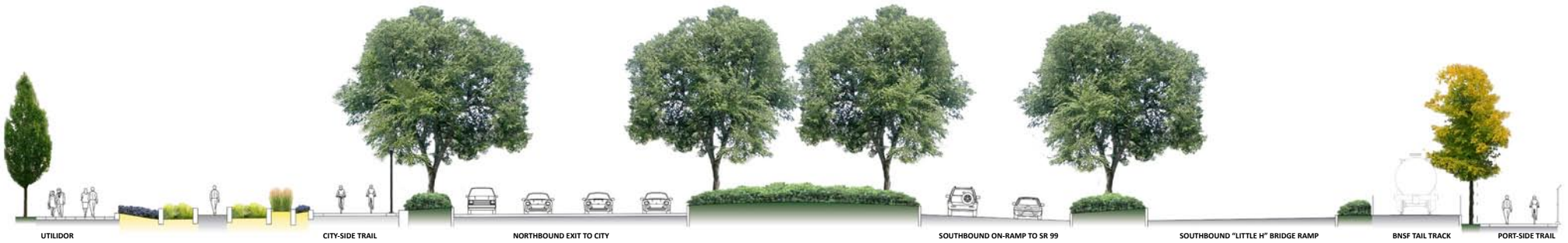


**BLURRING URBAN AND NON-URBAN**





## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION ONE





# Alaskan Way Viaduct Replacement Program

## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION ONE



**URBAN EDGE**



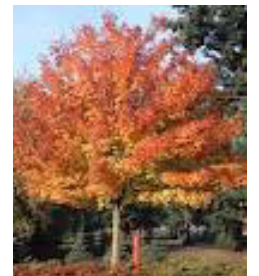
**FORECOURT**



**URBAN BOULEVARD**

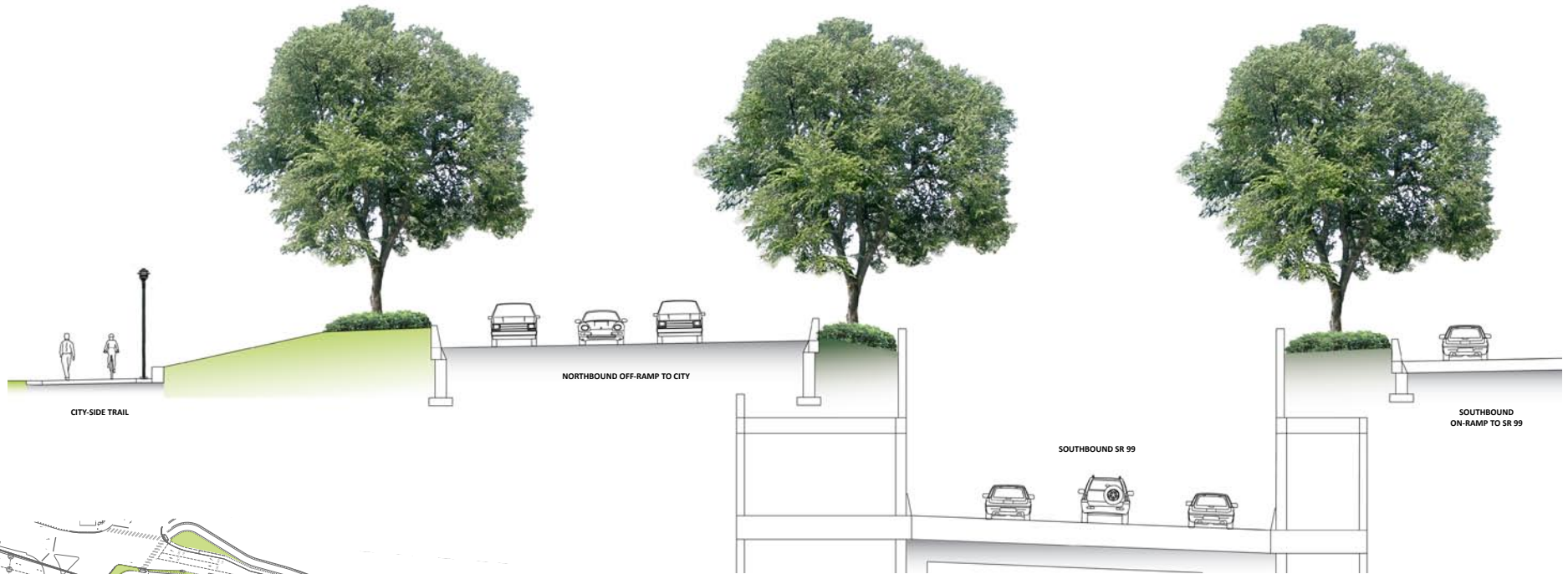


**PORT-SIDE TRAIL**



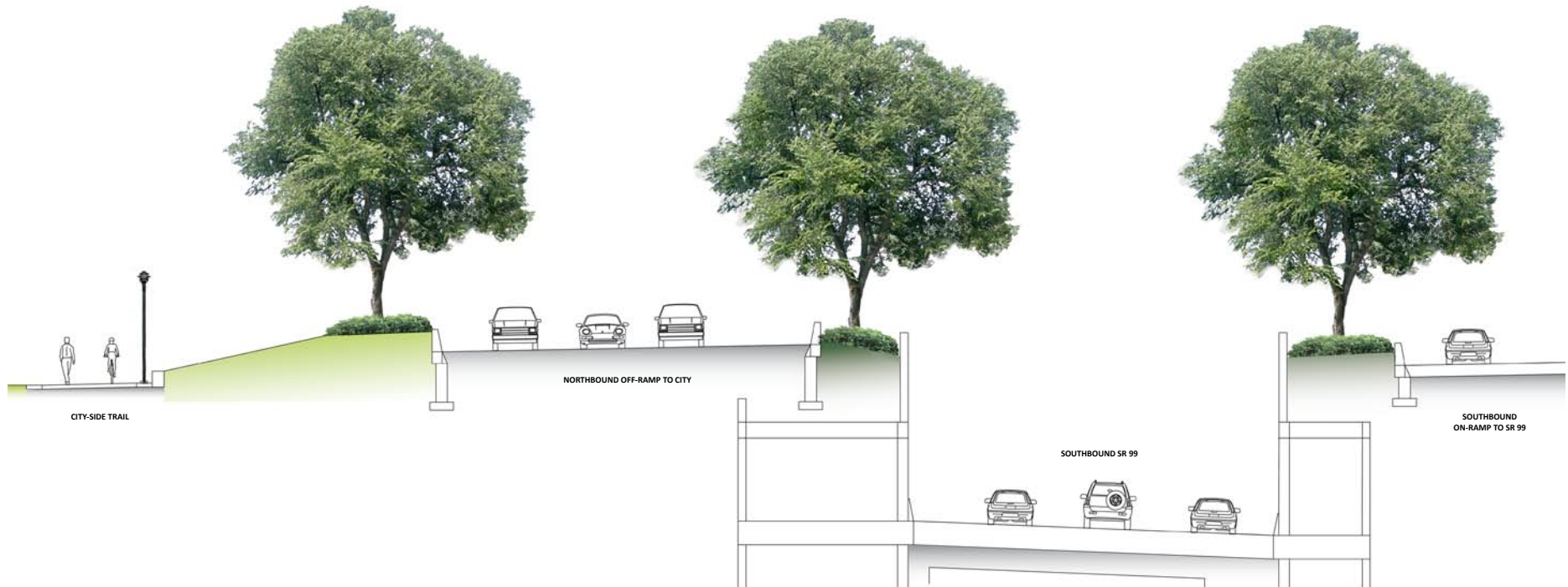


## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION TWO





## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION TWO



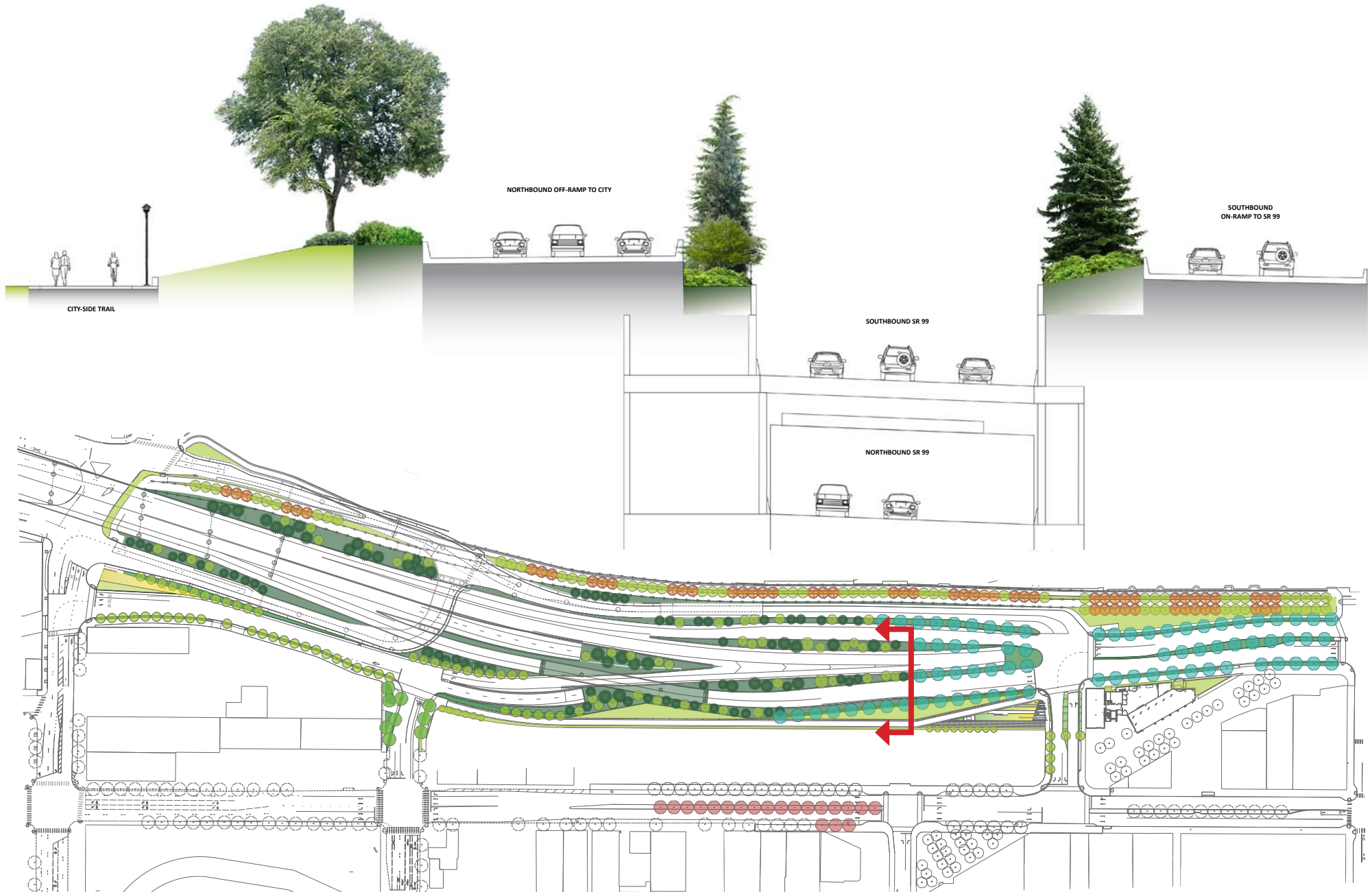
**GRASS WEDGE**



**URBAN BOULEVARD**



## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION THREE





## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION THREE



**GRASS WEDGE**



**URBAN NORTHWEST LANDSCAPE**

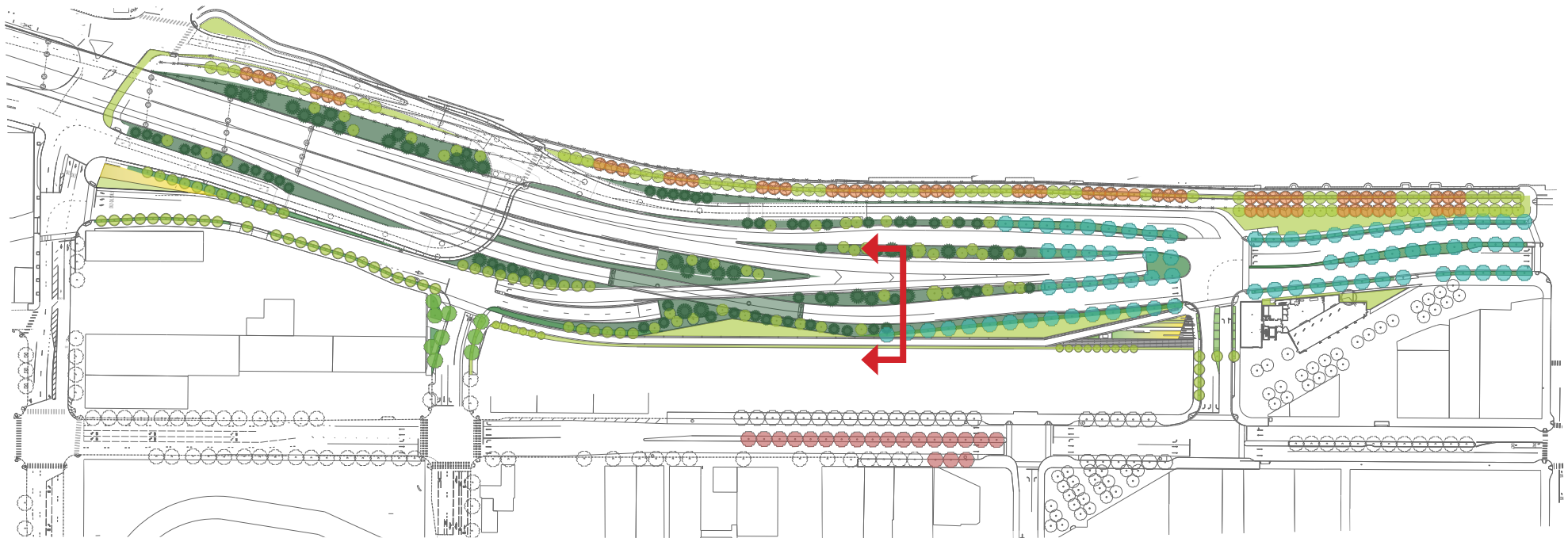


Native northwest at Sculpture Park



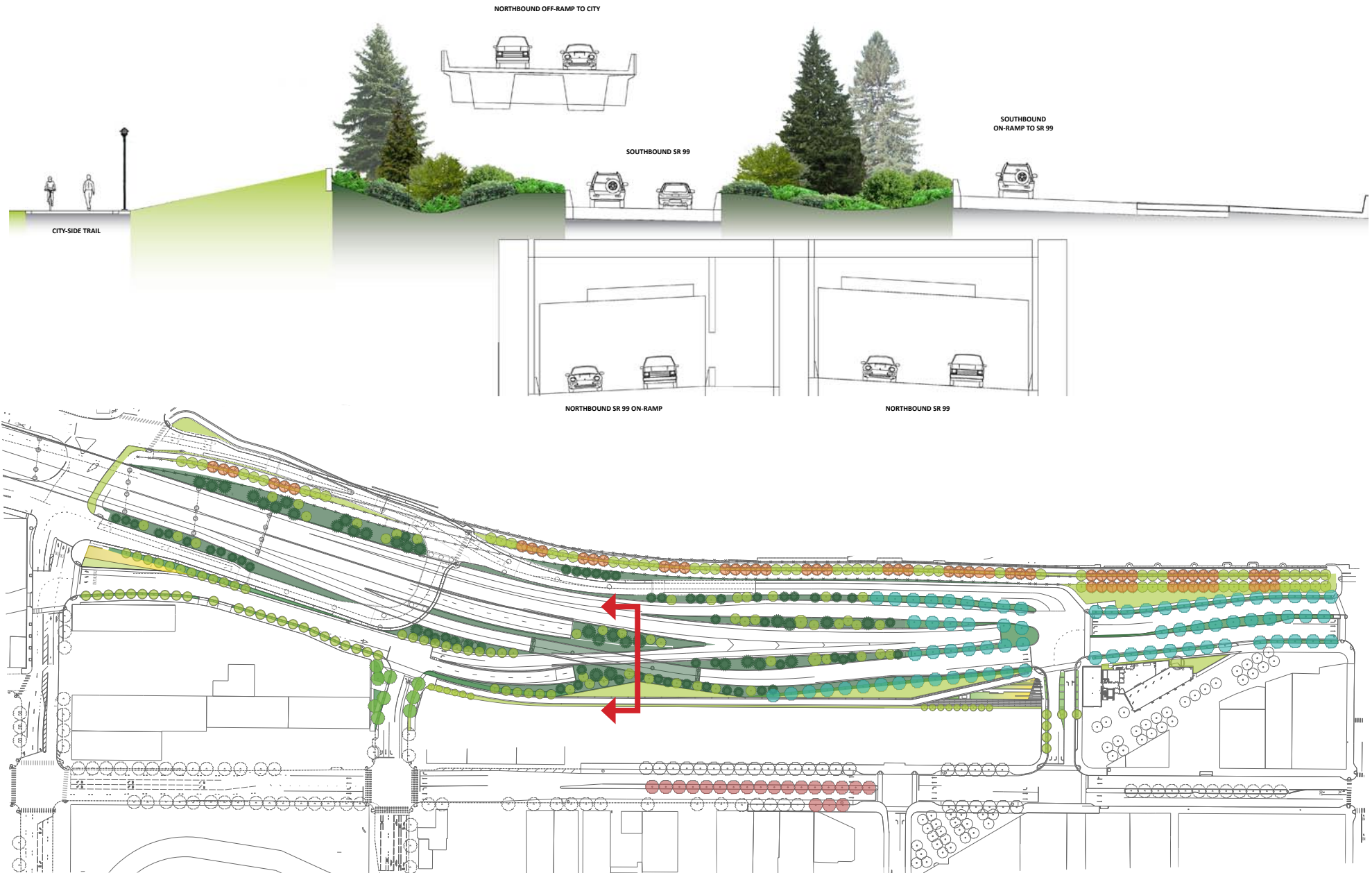
Native northwest on I-90 Mercer Lid

## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION FOUR





## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION FIVE



## SOUTH PORTAL LANDSCAPE CHARACTER - SECTION SIX

