STORMWATER STRATEGY

- Basin-wide approach
- Collaboration with SDOT, SPU, and other area stakeholders

CONSTRAINTS

- Localized soil contamination from past land use (drycleaners, autobody repair)
- Portions of landscape over structure
- Impervious soil layers (glacial silty clay)
- SPU maintaining GSI in right-of-way; desire is to install facilities that provide infiltration over those that provide detention only.

SOIL STRATIGRAPHY FOR NORTH PORTAL AREA

- Anthropogenic fill layers with contaminated soils (11.5 to 17.4 fbs)
- Peat layer (1 to 2.5 feet thick)
- Glaciolacustrine silty clay (13.5 to 18.5 fbs)
- Glaciofluvial and ice-contact deposits (average 25 fbs)
NORTH PORTAL AREA STREET TREE SELECTION

- **6th AVENUE**
  - Allée Elm
    - *(Ulmus parvifolia ‘Emer II’)*

- **THOMAS STREET**
  - Autumn Flame Maple
    - *(Acer rubrum ‘Autumn Flame)*

- **HARRISON STREET**
  - Cimmarron Ash
    - *(Fraxinus pennsylvanica ‘Cimmzam’)*

- **AURORA AVENUE**
  - Scarlet Oak
    - *(Quercus coccinea)*

- **MERCER WEST**
  - London Plane
    - *(Platanus acerifolia)*

- **CITY EDGE**
  - Greencolumn Maple
    - *(Acer nigrum ‘Greencolumn’)*
AURORA AVENUE - LOOKING NORTH FROM DENNY WAY

LARGE CANOPY TREES TO MATCH EXISTING SCARLET OAKS

- Tree in summer
- Autumn leaves
- Winter form
EVERGREEN SHRUBS AND DECIDUOUS SHRUBS WITH TEXTURAL AND SEASONAL INTEREST

- Dwarf Japanese Holly
- Mt. Vernon Laurel
- DwarfPrivet Honeysuckle
- Dwarf Pavement Rose
- Barren Strawberry
UPDATES TO STREET LAYOUT

Identify existing trees and preserve them wherever possible.

Widen tree spacing to allow for large tree species (35 to 40 ft. o.c.).

Existing driveway - remove trees shown in guidelines.

Shorten pedestrian crossing.

Maximize medians.

Increase potential width of parcel from 70’ to 91’ (width varies).

Align north-bound lanes across intersection.
UPDATES TO STREET LAYOUT

- New left-turn lane to South Lake Union
- Rapid Ride bus stop (northbound)
- May eliminate left-turn lane
- Rapid Ride bus stop (southbound)

- Existing curb cuts to parking (Trees may be installed if property is redeveloped.)
- Minimum 6-foot continuous planting strips with paving at bus stops
THOMAS STREET GREEN STREET

UPDATES TO STREET LAYOUT

- Removed center left-turn lane
- Added two 5’ bike lanes
- Widened north sidewalk from 18’ to 22’
- Created double allée of Maple trees utilizing 10 feet of building property

THOMAS STREET LANDSCAPE CHARACTER

- Ice Dance Carex
- Salal
- Kelsey Dogwood
- Dwarf Oakleaf Hydrangea
- Beach Strawberry
NORTH PORTAL: ENTRY TO CITY
NORTH PORTAL LANDSCAPE ZONES

URBAN EDGE
- Low, evergreen shrubs
- Formal layout
- Textural contrast

CAMPUS EDGE
- Evergreen and deciduous shrubs
- Seasonal interest
- Curving layout
- Blend with Gates Campus edge

STREAM RAVINE
- Sculpted ground plane
- Evergreen ferns and shrubs

STREAM TERRACES
- Architectural version of ravine
- Low, evergreen shrubs
- “Veil” of trees

MEADOW
- Urban meadow
- Layout follows arc of headwall
- Blend with Building Plaza and Gates Campus meadow
URBAN MEADOW LANDSCAPE CHARACTER

Garry Oak

Little Bunny Fountain Grass

Ice Dance Carex

Avalanche Feather Reed Grass

Pacific Coast Iris

Autumn Moor Grass
HARRISON STREET ABOVE NORTH PORTAL - EAST END

**Urban Edge: Low Evergreen Shrubs with Textural Interest**
- Dwarf Japanese Holly
- Dwarf Privet Honeysuckle
- Barren Strawberry

**Portal Edge: Ornamental Grasses Along Wall Edge**
- Cinnamomum Ash
- 17-foot tall Pedestrian Lights (LED fixture from new SDOT catalog)
- Portal Landscape
- Barren Strawberry
- Autumn Moor Grass
- Avalanche Feather Reed Grass

Steel street light (unpainted) to match existing light poles.
HARRISON STREET ABOVE NORTH PORTAL - WEST END

URBAN MEADOW LANDSCAPE CHARACTER

- Dwarf Fountain Grass
- Pacific Coast Iris
- Ice Dance Carex
- Autumn Moor Grass
- Avalanche Feather Reed Grass

Legacy Tree - Garry Oak

Tunnel Operations Building landscape
(Covered in a future presentation)

17-foot tall LED Pedestrian Lights
(Fixture TBD from new SDOT catalog)

Planter with benches
(Covered in a future presentation)

Tub girder planter and benches
with LED underlighting
(Covered in a future presentation)
LOW EVERGREEN SHRUBS WITH TEXTURAL INTEREST

- Dwarf Japanese Holly
- Mt. Vernon Laurel
- Dwarf Privet Honeysuckle

STREET TREES WITH GOOD FALL COLOR

- Greencolumn Maple

GROUNDCOVER

- Allee Elm
- Barren Strawberry
Alaskan Way Viaduct Replacement Program

NORTH PORTAL AREA - CAMPUS EDGES

EVERGREEN SHRUBS AND DECIDUOUS SHRUBS WITH SEASONAL INTEREST
- Big Blue Liriope
- Dwarf Japanese Holly
- Dwarf Pavement Rose

GROUNDCOVERS WITH SEASONAL INTEREST
- Beach Strawberry
- Evergreen Barrenwort
- Hardy Geranium

TREES WITH SEASONAL INTEREST
- Allee Elm
- Halka Littleleaf Linden
EVERGREEN FERNS AND SHRUBS WITH TEXTURAL CONTRAST

Male Fern
Western Sword Fern
Low Oregon Grape
Oregon Grape ‘Charity’
Holly Fern
EVERGREEN FERNS AND SHRUBS WITH TEXTURAL CONTRAST

- Male Fern
- Western Sword Fern
- Dwarf Privet Honeysuckle
- Princeton Sentry Ginkgo