PROJECT GOALS

• Create a Unified Complex for Computer Science & Engineering
• Provide Qualitative Parity
• Foster Collaboration Among Faculty, Students and Staff
• Enhance the Sense of Community for CSE Undergrads
• Provide Flexible Instructional and Research Spaces
• Maximize Natural Daylight
• Create Multiple Secure Zones
• Enhance Campus Connections & Landscape
How can buildings & landscape work together to overcome the accessibility challenges of the East Slope?
WEST: Strong link with Allen Center across Stevens Way
EAST: Jefferson Road, Service Access through building
SOUTH: Shared Entry Court with Civil Building
NORTH: Snohomish Lane, Major Pedestrian Walkway
MATERIAL SELECTION

Massive ←———————————————————————————————————→ Light
SHINGLED

Folded Metal Panel Type A
Folded Metal Panel Type
Folded Metal Panel Type C

Typical Window Unit
Folded Metal Panel Type D

Wall Assembly Plan View
SHINGLED
SHINGLED
FORMAL EVOLUTION

1. Two Volumes with Central Atrium
2. Roof Event Center
3. Shift South to Connect
4. Carve to Form Entry/Service Access
FIRST FLOOR PLAN
FOURTH FLOOR PLAN
APERTURE ADJUSTMENTS

Previous to match
Allen Center

Revised taller window configuration allows more variety
SYSTEM

Operable Window

Terracotta

Sun Shading

Composite Metal Panel
SYSTEM DEPTH

6"

9"

12"

18"
DETAIL FACING WEST - OPTION 1

Terracotta

Glass
DETIAL FACING WEST - OPTION 2

Terracotta

Metal Panel

Glass
1. Fountain pathways work discretely but don’t engage Snohomish Lane.

2. Congested back alley condition, lacking character and relationship.

3. Shaded concrete space is not welcoming.

4. East Stevens Way further bifurcates the route.

5. Steep paths navigate the topography/nondescript open space between Stevens and Jefferson.

6. Abrupt link/no transition to HEC-ED bridge to athletics.

EXISTING CONDITIONS
Stevens Way and Computer Science & Engineering Plaza

- Stevens Way allee
- CSE Entry
- CSE Entry Garden
- Mechanical Engineering Entry
- Shared Plaza
- continuous paving pattern
- stepped seating
More Hall Terrace
and Overlook

Lacebark Elms

Cafe tables & chairs

Woodland Overlook

Stone seatwall

More Hall Entry

Bike racks

ADA Accessible Ramp
Computer Science & Engineering Plaza and Entry
Woodland Stair down to Nested Lawn and Hec-Ed Bridge

shot-blasted stencil concrete paving pattern

Plaza Garden + bioretention planter

basalt boulders as plaza elements and woodland walls
Nested Lawn and Woodland Stair
Nested Lawn and Woodland Stair

Woodland Terraces + bioretention planters

ADA ramp down to Lawn

Stacked boulder walls

Woodland Stair

Nested Lawn

Stair down to Hec-Ed Bridge and Burke-Gilman Trail

Low woodland groundcover planting along building face
Woodland Stair up to Plaza and Stevens Way
Tree planting spaced away from building facade
Woodland groundcover planting
Mason Road
PLANTING STRATEGY + BIODIVERSITY

OVERSTORY CANOPY

UNDERSTORY CANOPY

SHRUB LAYER

GROUND VEGETATION

PLAZA/COMMONS PLANTINGS - DECIDUOUS DOMINANT/ LITTLE UNDERSTORY

FOREST REMNANT PLANTING - CONIFER DOMINANT/ RICH UNDERSTORY

BIRD SPECIES
a. Red-Tailed Hawk
b. Swift
c. Swallow
d. Fly-Catcher
e. Pygmy Owl
f. Sapsucker
g. Pileated Woodpecker
h. Brown Creeper
i. Nuthatch
j. Thrush
k. Towhee
l. Winter Wren
PLANT PALETTE - WOODLAND

CANOPY TREES
- Populus tremuloides
  Quaking Aspen
- Acer macrophyllum
  Bigleaf Maple
- Thuja plicata
  Pacific Red Cedar
- Picea sitchensis
  Sitka Spruce
- Pseudotsuga menziesii
  Douglas Fir
- Chamaecyparis nootkatensis
  Alaska Cedar

UNDERSTORY TREES
- Malus fusca
  Pacific Crabapple
- Cornus kousa
  Kousa Dogwood
- Amelanchier alnifolia
  Shadbush
- Acer cerrinatum
  Vine Maple

SHRUBS
- Rhododendron macrophyllum
  Pacific Rhododendron
- Ribes sanguineum
  Flowering Currant
- Symphoricarpos albus
  Common Snowberry
- Malus nervosa
  Dwarf Oregon Grape
- Philadelphus lewisi
  Wild Mock Orange
- Holodiscus discolor
  Oceanspray
- Pinus mugo
  Mountain Pine
- Cornus redosier
  Redosier Dogwood

PERENNIALS + GROUNDCOVERS
- Lamprocapnos spectabilis
  Bleeding Heart
- Maianthemum racemosum
  False Solomon’s Seal
- Oxalis oregana
  Wood Sorrel
- Polemonium foliaissimum
  Jacob’s Ladder
- Gymnocarpium dryopteris
  Oak Fern
- Alpinia trif-x-lemina
  Lady Fern
- Polystichum munitum
  Sword Fern
- Maianthemum racemosum
  False Solomon’s Seal
Willow Oak
Quercus phellos

Lacebark Elm
Ulmus parvifolia

PLANT PALETTE - PLAZA + STREET

FLOWERING PERENNIALS
- Menzies’ Larkspur
  Delphinium menziesii
- Oregon Sunshine
  Yarrow (white)
  Achillea millefolium
- Fat Bud French Lavender
  Lavandula intermedia ‘Grosso’
- Cascade penstemon
  Penstemon serrulatus
- Broadleaf Lupine
  Lupinus latifolius
- Douglas Aster
  Symphyotrichum subspicatum
- Farewell to Spring
  Clarkia amoena
- Broadleaf Lupine
  Lupinus latifolius
- Salmonberry
  Rubus spectabilis
- Common Camas
  Camassia quamash
- Showy Fleabane
  Erigeron speciosus
- Slough Sedge
  Carex oshimensis
- Awlfruit Sedge
  Carex stipata
- Swordleaf Rush
  Juncus ensifolius
- Fine Fescue
  Festuca rubra
- Creeping Red Fescue
  Festuca rubra

BIOFILTER PERENNIALS + GRASSES
- Softstem Bulrush
  Schoenoplectus tabernaemontani
- Swordleaf Rush
  Juncus ensifolius
- Creeping Red Fescue
  Festuca rubra
- Fine Fescue
  Festuca rubra
MATERIAL STUDY

**STON FINES**
- $3-5/sf

**ASPHALT**
- Options include:
  - Warm mix
  - Reclaimed asphalt pavement
  - Porous asphalt
- $5/sf

**CIP CONCRETE**
- Variety of available finishes
- Fly ash is a recovered resource
- $10-15/sf

**CLAY BRICK**
- Kiln firing
- $10-15/sf

**ASPHALT BLOCK**
- Durable
- Post Industrial Recycled Content
- Hanover: only manufacturer? (consider transport costs)
- Some have high SRI (to aid in reduction of heat island effect)
- $15-20/sf
Based on a total potential collection area of 17,483 SF, approximately 875 SF of planter area is required, using a ration of 20:1.
How can Stevens Way do even more work to serve the central campus?

Whatcom Overpass
North Campus Housing
Paddleford parking Garage
Wahkiakum Overpass

Computer Science Building
Snahomish Overpass

Burke Museum and 43rd Street Entrance
U District Green Ways
Parrington Lawn
Red Square and Thresholds
George Washington Lane
Olympic Vista
University Bridge Landing
Under University Bridge
Oval Parking Lot
Greenway
Astronomy Place
Portage Bay Terminal
Galbraith Housing Pond
Montlake Cut Walkway
Health Sciences Bridge
Burke Gilman Trail Stormwater
Union Bay Natural Area
Mountain Bike Circuit

Denny Field
North Campus Housing
Kincaid Ravine
Archery Range
N5 Parking Lot

Major Core to Periphery Connections
Operations on the Campus Mosaic
University of Washington Landscape Framework
Michael Van Valkenburgh Associates | 09.09.2013
• CLF Online Tool - University of Washington Mahlum Study
  http://depts.washington.edu/myplaces/experiments/results3.php

• Key location between well-used pedestrian routes

• Sandwiched between transit, car and bike routes.
PAVING CONCEPTS

CONCRETE IMPRESSIONS

BRUSHED CONCRETE TEXTURE

WALKER ART CENTER | MINNEAPOLIS, MN, US

NORMAND PARK | LONDON, UK

KAÆSTHUS | COPENHAGEN, DK
The Coast Salish peoples recognized Salmon as beings spiritually superior to humanity.

**Southern Lushootseed salmonoid vocabulary**  
[edit]

sčədadxʷ  
a word that covers all Pacific salmon and some species of trout.

ṣačəb  
Chinook or King

c’uwad  
sockeye salmon

skʷəxʷic  
coho salmon

ƛ’xʷay’  
chum salmon

hədu  
the pink salmon

skʷa̓wəł  
steelhead
STORMWATER MANAGEMENT

INFEASIBILITY CRITERIA
Full Dispersion
Infiltration Trench
Drywell
Raingarden
Infiltrating Bioretention
Rainwater Harvesting
Permeable Pavement Facility
Permeable Pavement Surface
Sheet Flow Dispersion
Concentrated Dispersion
Splashback Downspout Dispersion
Trench Downspout Dispersion

Non-Infiltrating Bioretention
Vegetated Roof
Single Family Residential Cistern
Perforated Stub Out Connection

Newly Planted Tree

Seattle Infiltration Mapping - “feasibility not required”
BIKE PARKING

TOTAL 110
(85 req.)
LOADING PARKING SPOTS
PROPOSED

TOTAL
11 SPACES
(4 relocated)
PROPOSED LOADING PARKING SPACES

TOTAL 11 SPACES
(6 relocated/reconfigured)
SEASONAL EVENTS
CEE SPRING MIXER

EVENT TENT
20’x35’ + 10 TABLES

MORE THAN
10 TABLES+