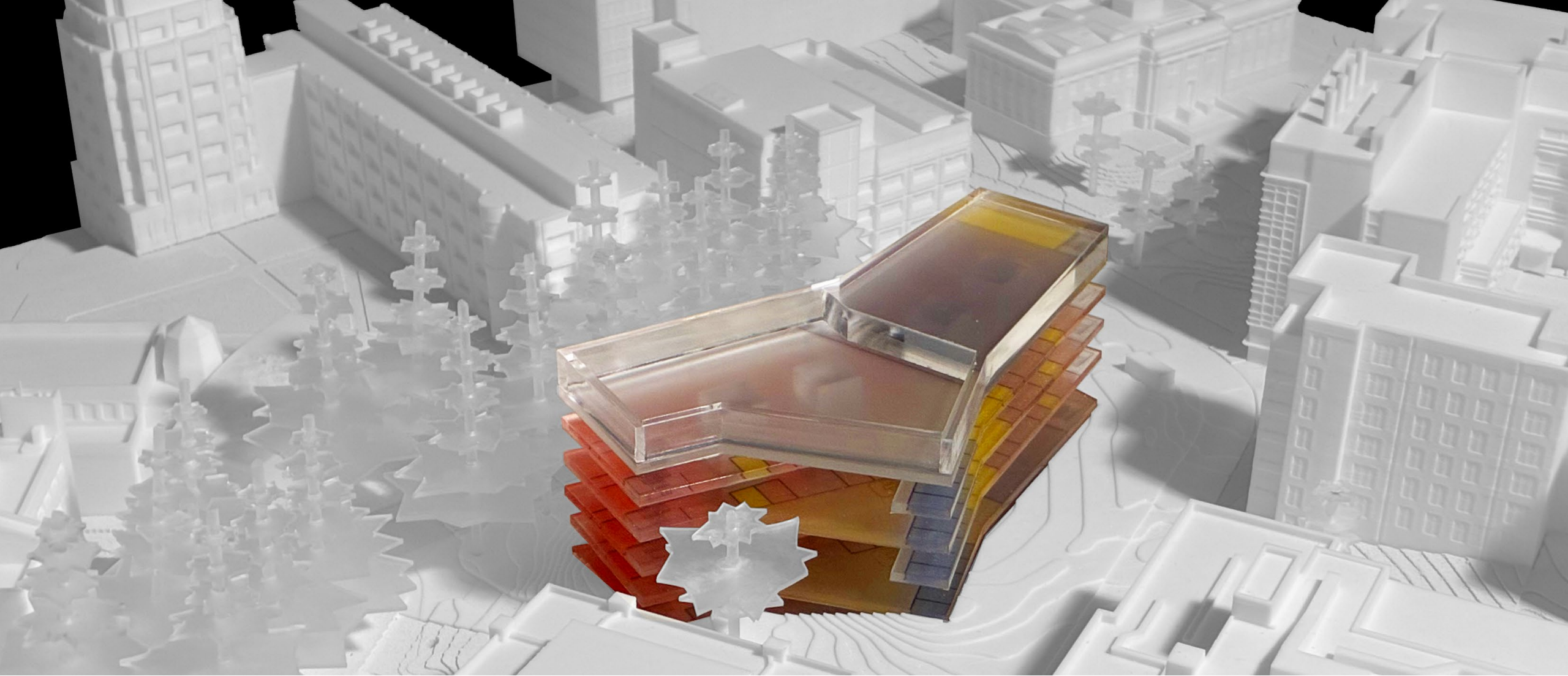




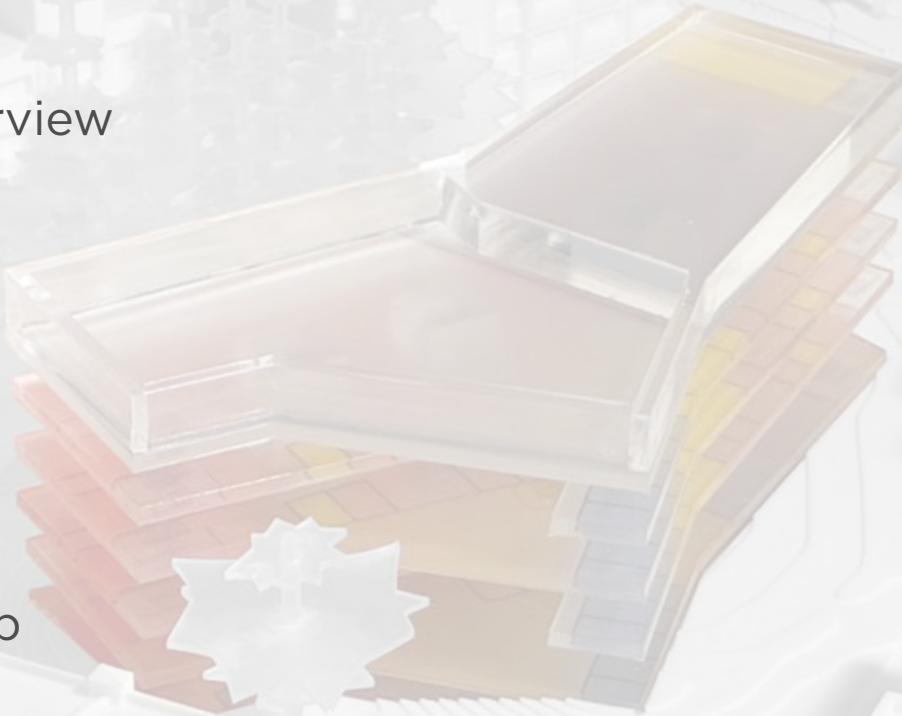
CHEMICAL SCIENCES BUILDING

UNIVERSITY OF WASHINGTON

UWAC MEETING
SEPTEMBER 8TH 2025

AGENDA

1. Introductions and Project Overview
2. Campus Relationships
3. Building Program
4. Site Constraints
5. Architectural Organization
6. Ground Experience
7. Massing + Campus Relationship
8. Exterior Expression



PROJECT TEAM

Design/Build: **SKANSKA**

Architect: **PAYETTE / EHDD**

Landscape: **GGN**

Structural: **KPFF**

Civil: **KPFF**

Mechanical / Plumbing: **AEI + MacMiller**

Electrical: **Hargis + Cochran**



Peter Vieira
Design Principal



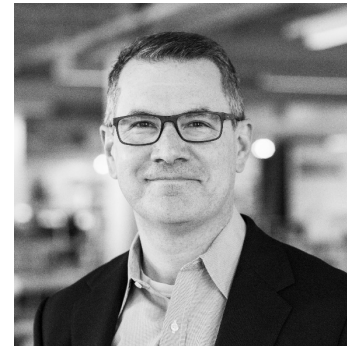
Jennifer Guthrie
Principal, GGN



Kara Weaver
Principal, GGN

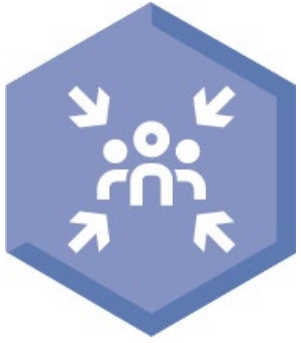


Christopher Patano
Project Executive



Jeff DeGregorio
Principal-in-Charge

PROJECT GOALS



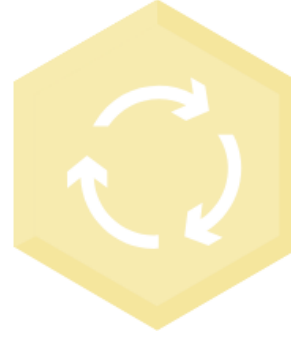
Grow & Retain

Increase degree production through **recruitment and retention** of excellent graduate students and faculty resulting in an expansion of class offerings and **hands-on research** training opportunities.



Collaborate

Increase grant funding and new **interdisciplinary discovery** through a more efficient collocated environment.



Modernize

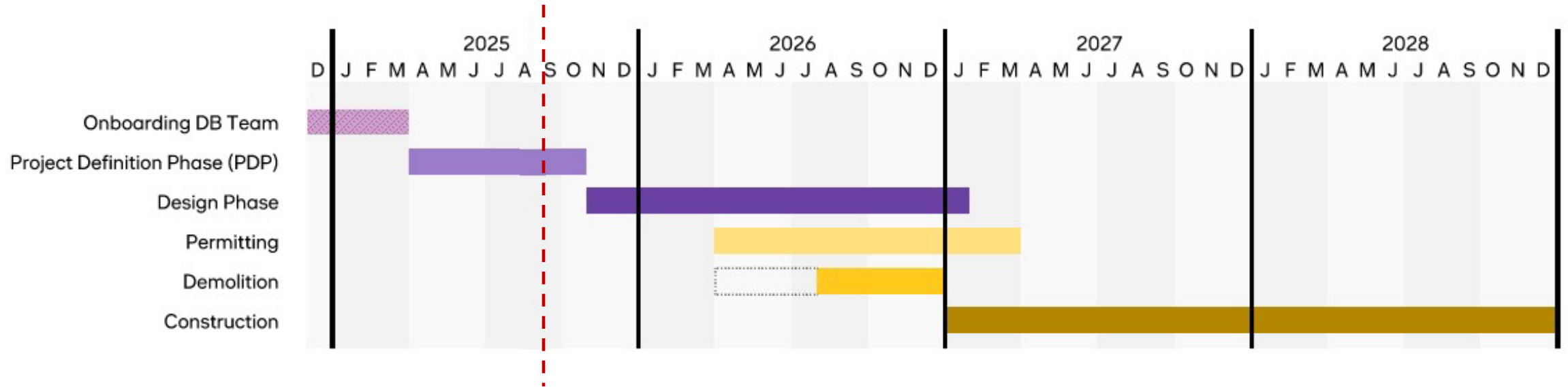
Optimize space by 15% through implementation of **efficiencies, modernization,** and economies of scale.



Innovate

Capitalize on synergy and interdependence between research and classroom by creating an **environment that drives innovation** and research that feeds what is taught in the classroom.

SCHEDULE



Project Definition Phase Goals

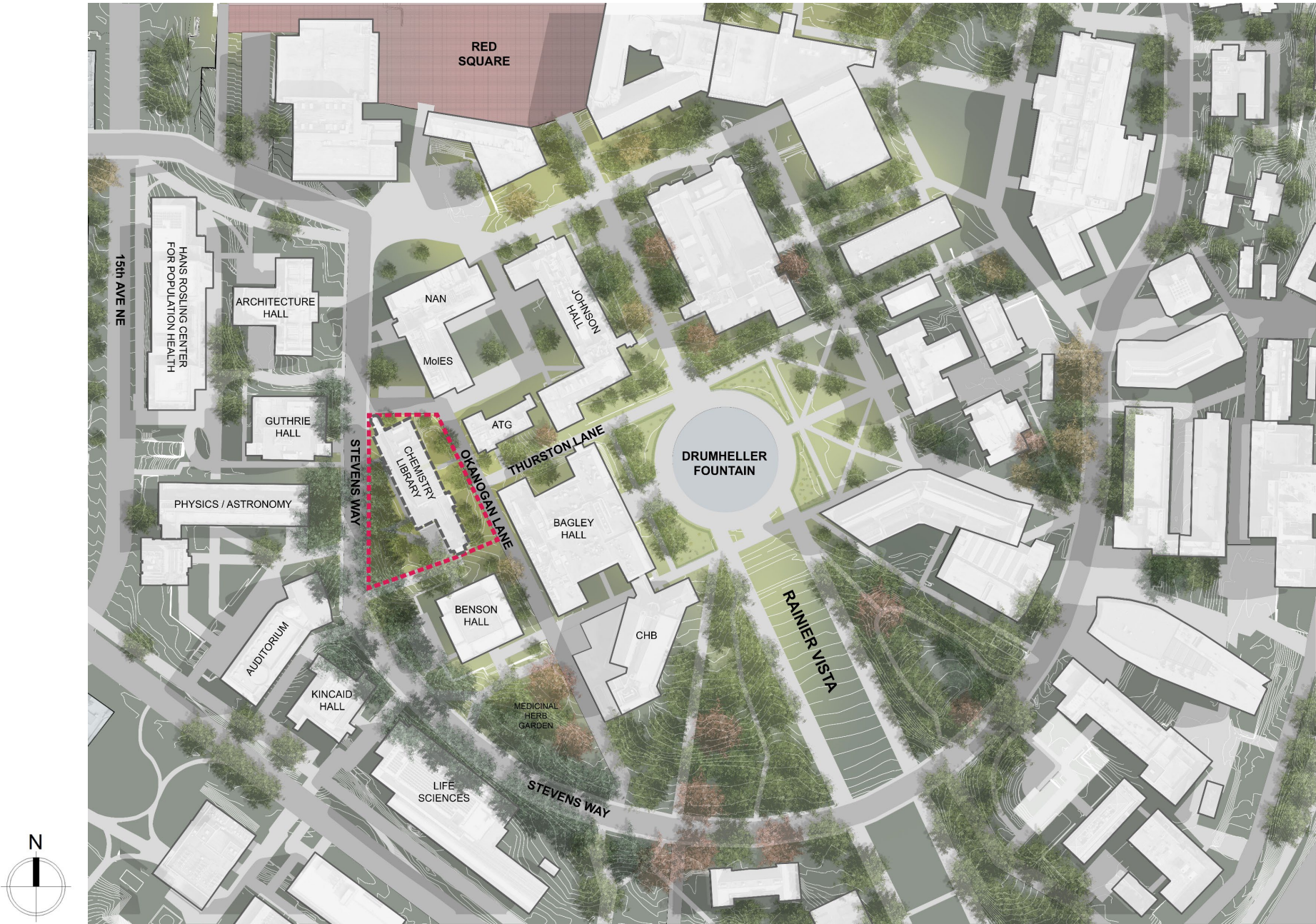
- Validate Target Program
- Define Project Base Scope and Options
- Establish Base Target Cost

Campus

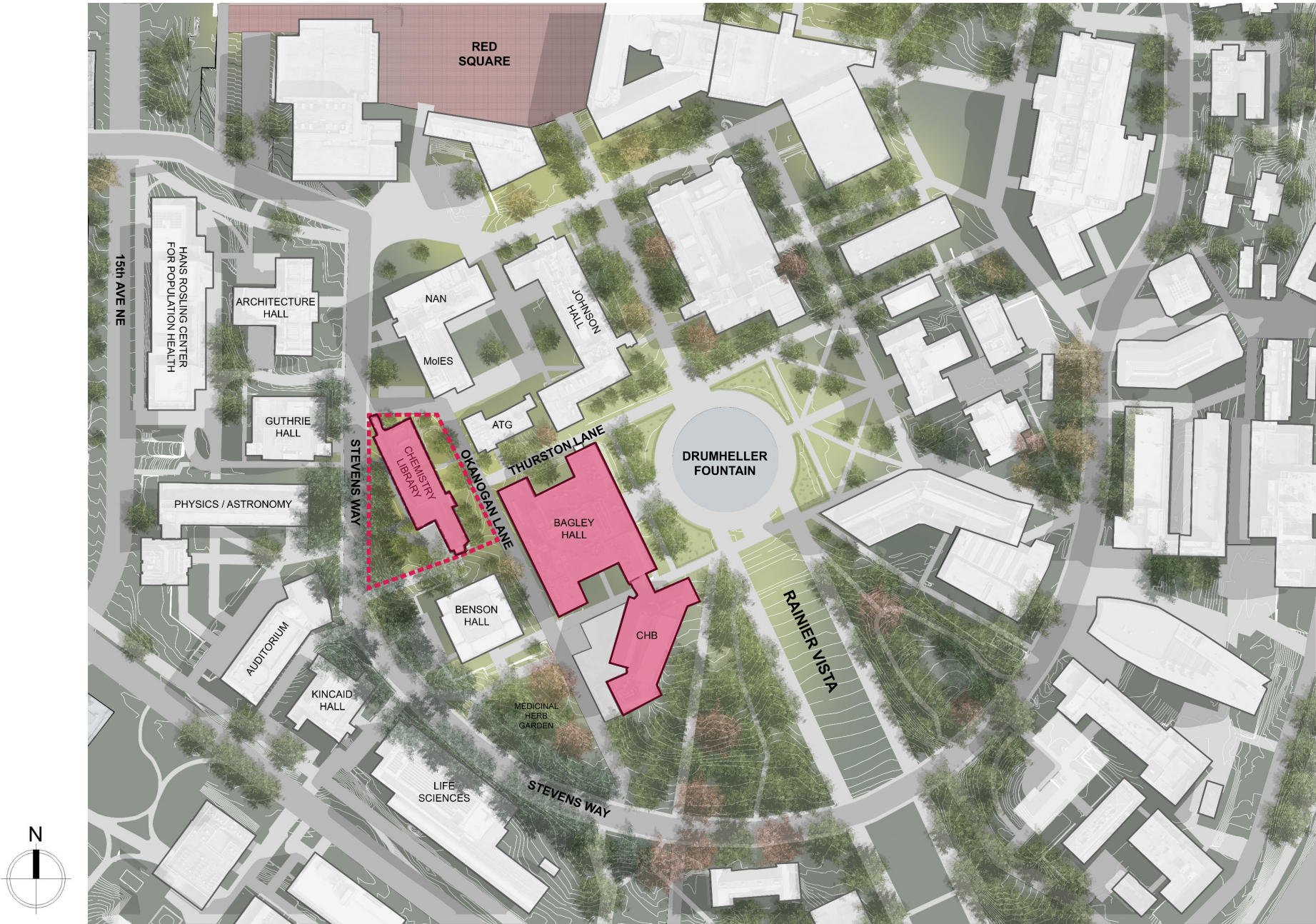
CAMPUS



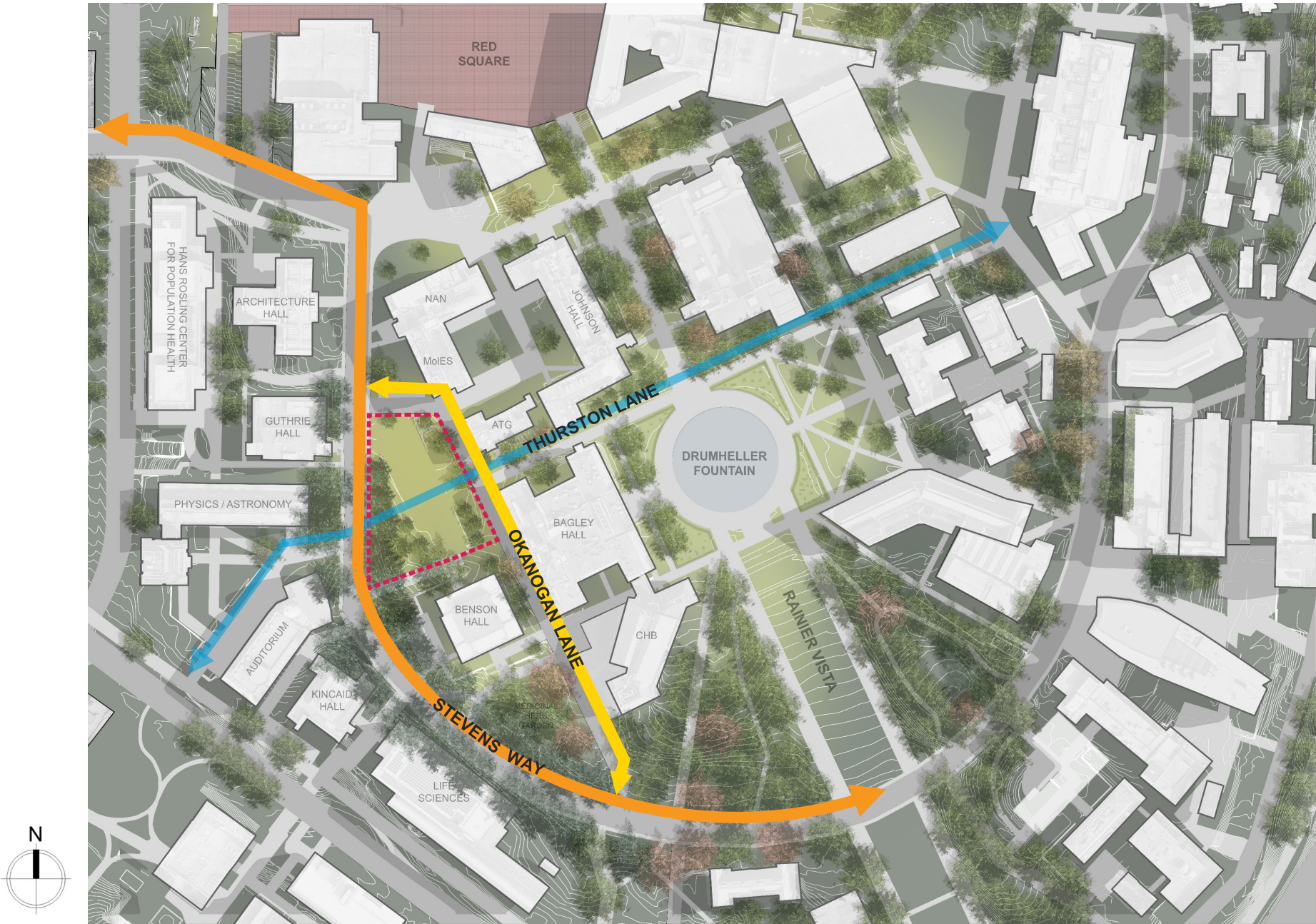
CAMPUS



CAMPUS
CHEMISTRY PRECINCT



CAMPUS
FLOWS



CAMPUS

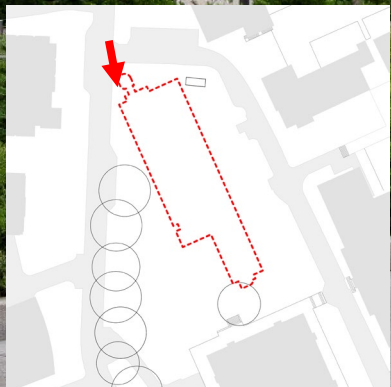
TOPOGRAPHY

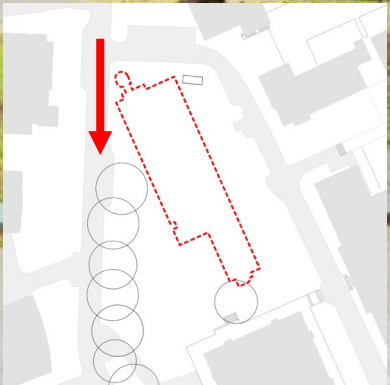


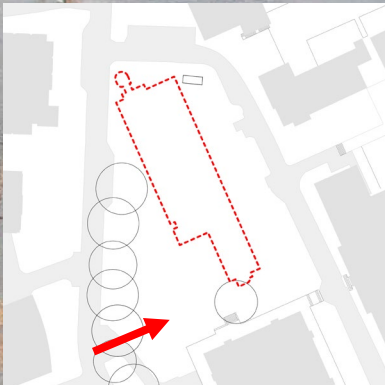


WILDS











Dial-a-Ride
Shuttle Stop

NO
PARKING
FIRE LANE
BUS STOP ZONE

DO NOT
BLOCK
CROSSWALK

ups

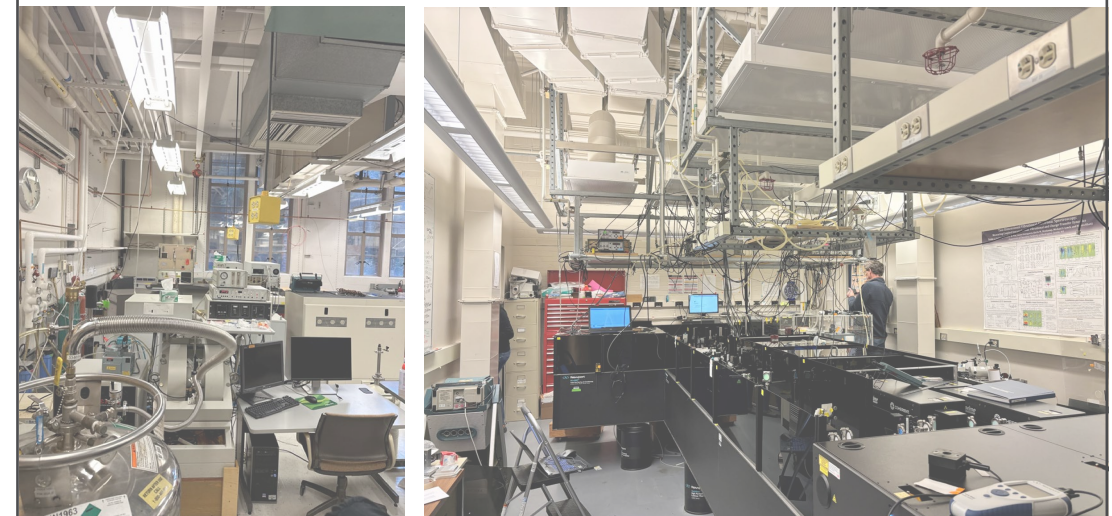
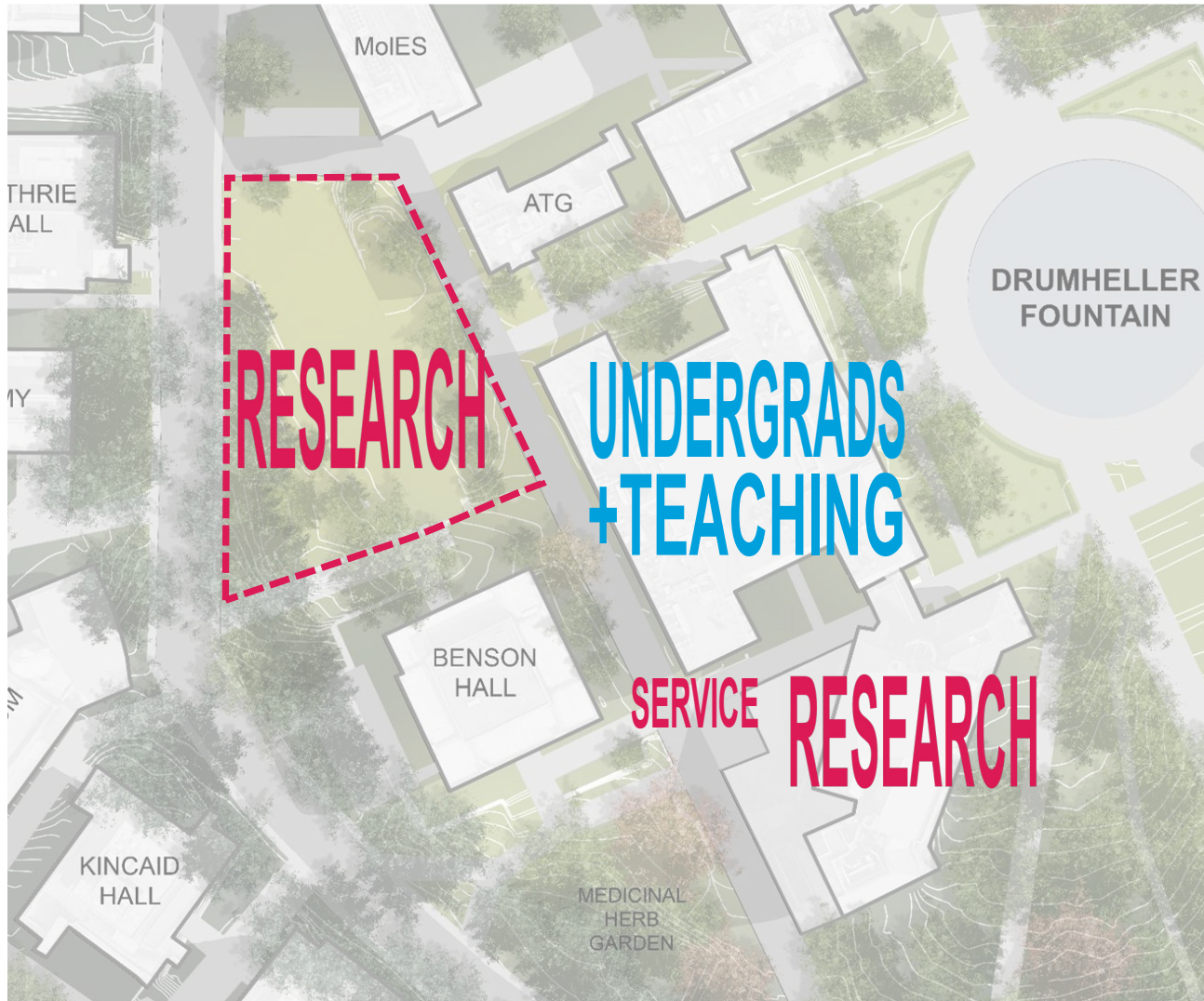


Program

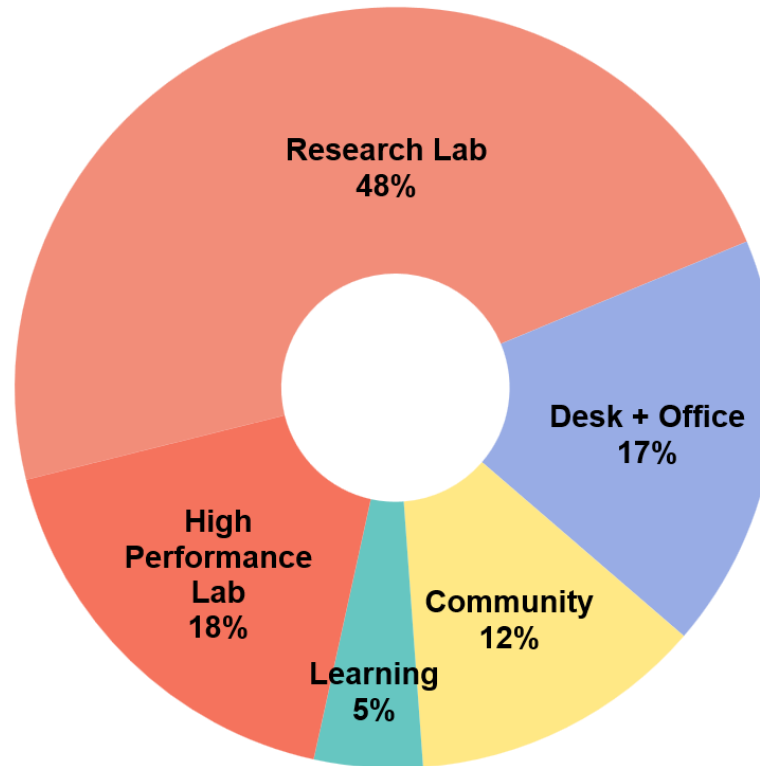
CHEMISTRY DEPARTMENT

Moving to CSB: 25 Faculty & 210 Graduate Researchers

Remaining in Bagley and CHB: Undergraduate Teaching + Research



BUILDING PROGRAM

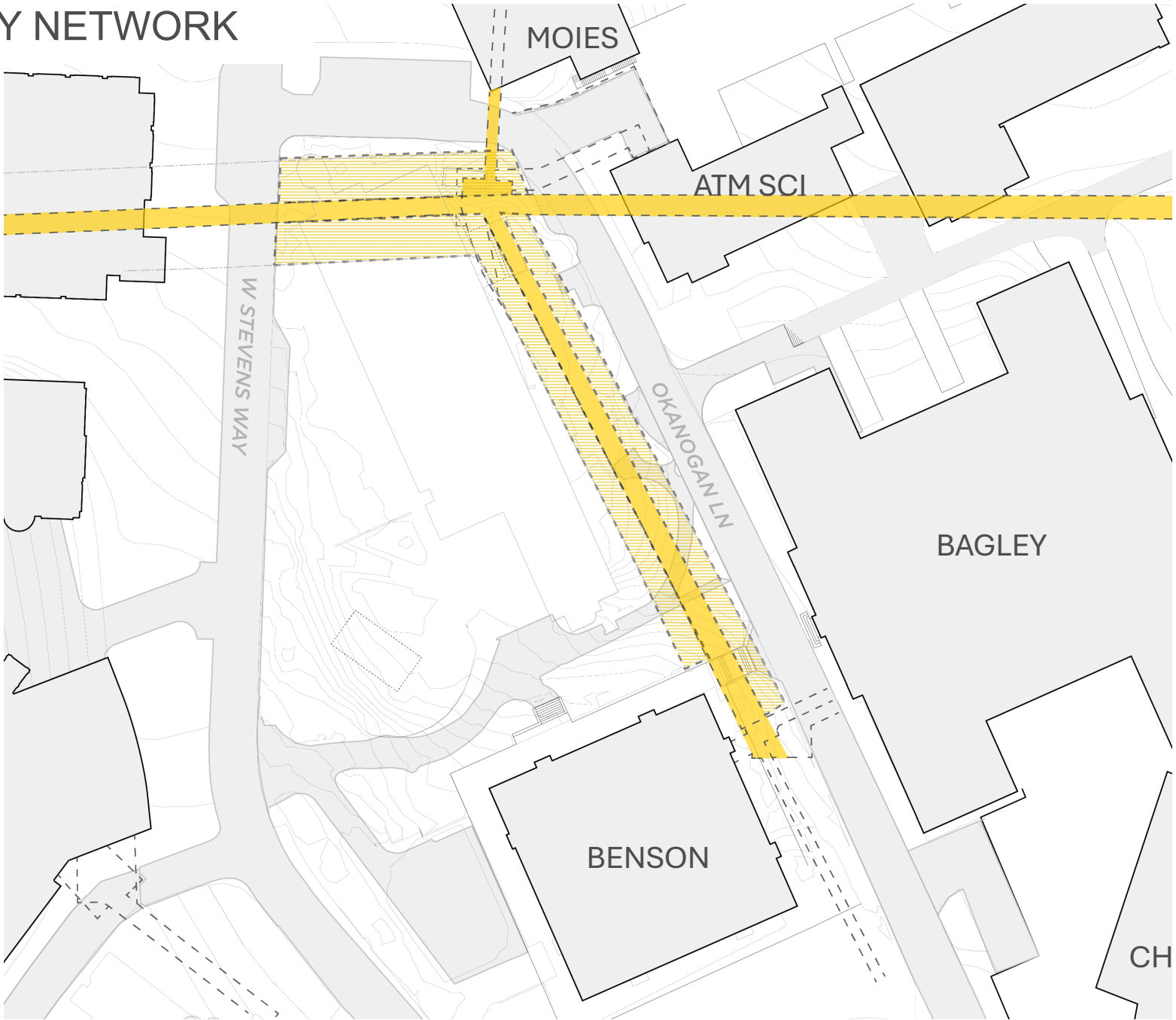


Full Program Building Size: **109,000 GSF**
Target Project Cost: **\$191M**



Site Constraints

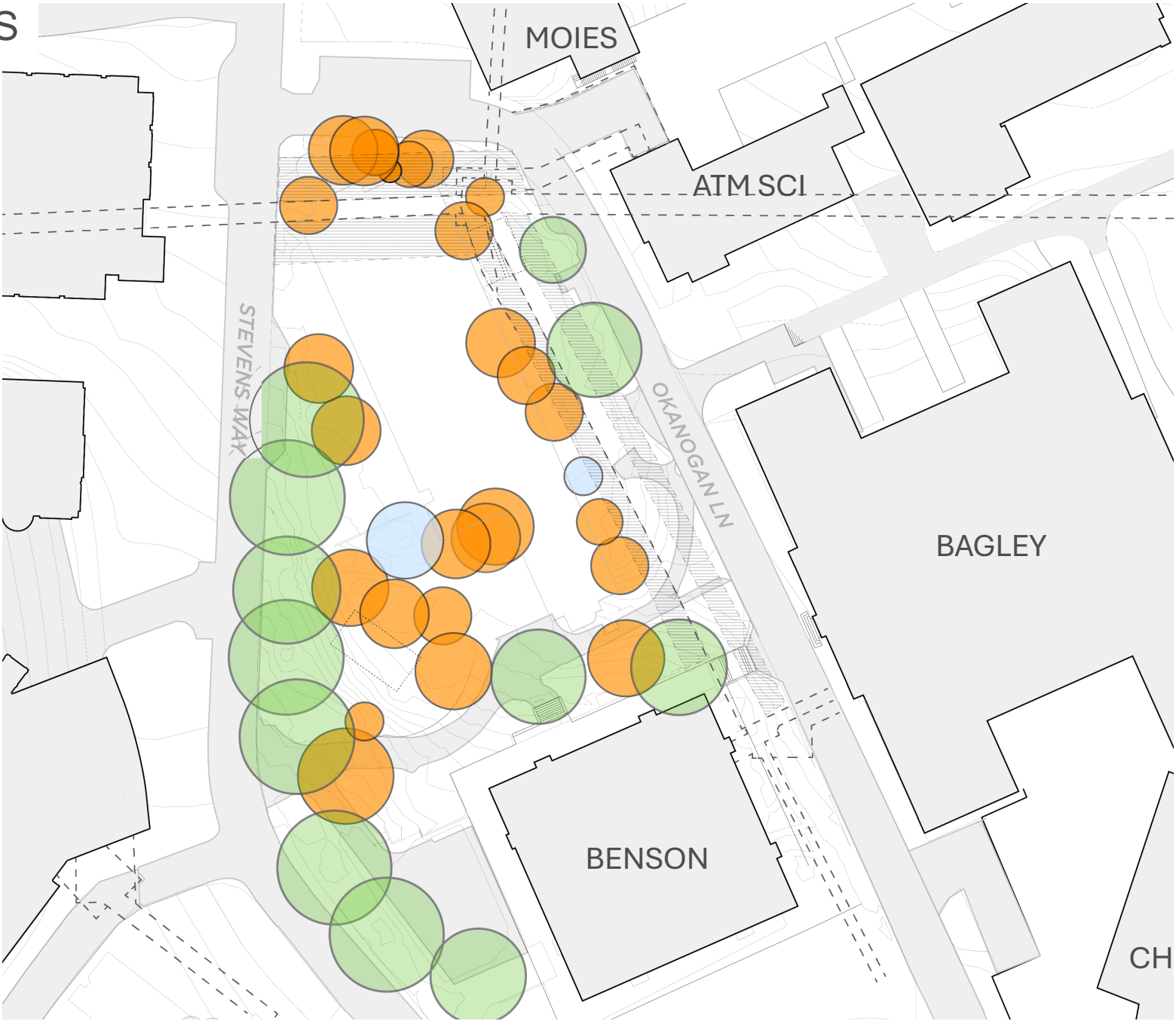
CONSTRAINTS | CAMPUS UTILITY NETWORK



CONSTRAINTS | EXISTING TREES



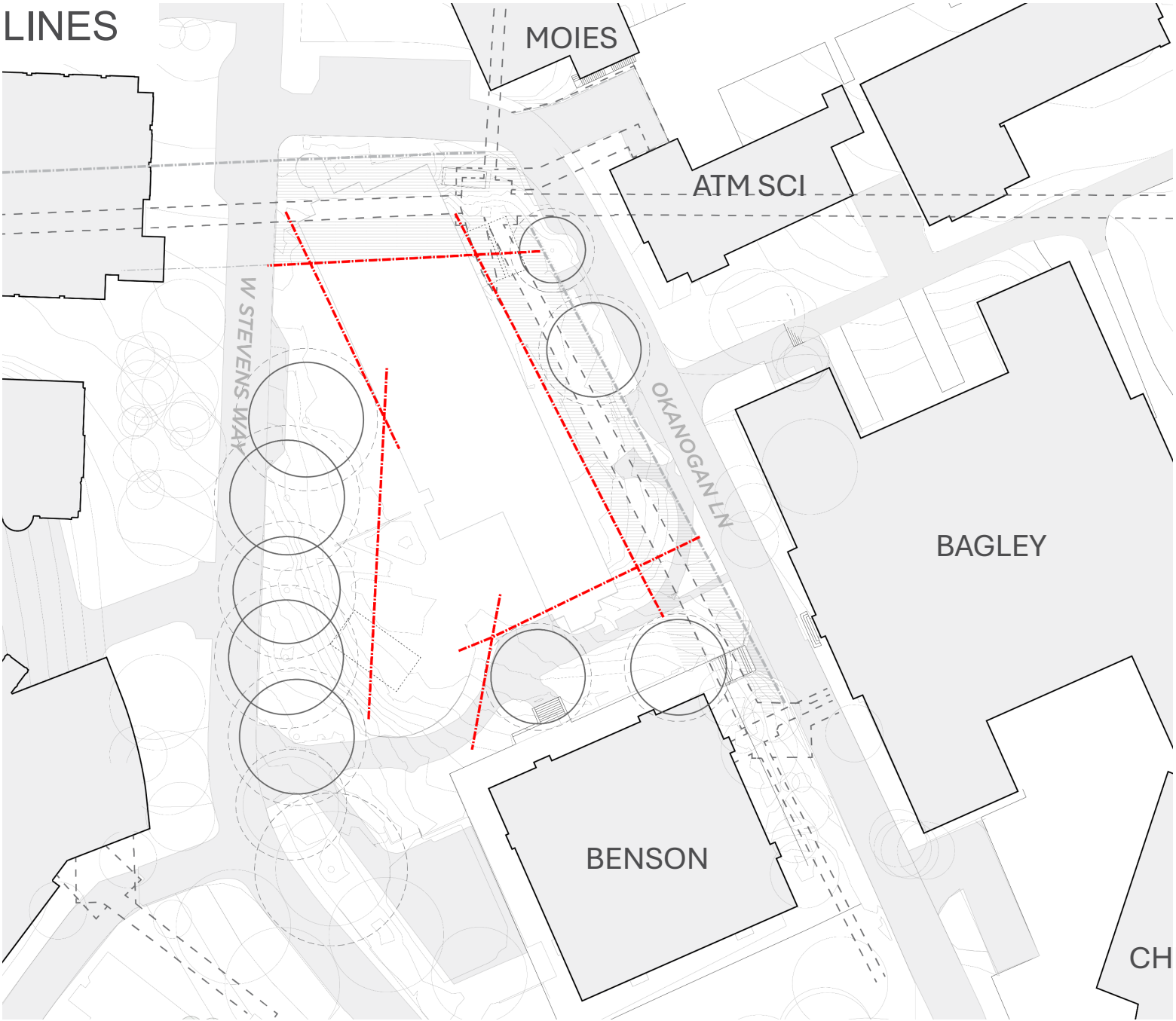
- Preserve
- Remove
- Transplant



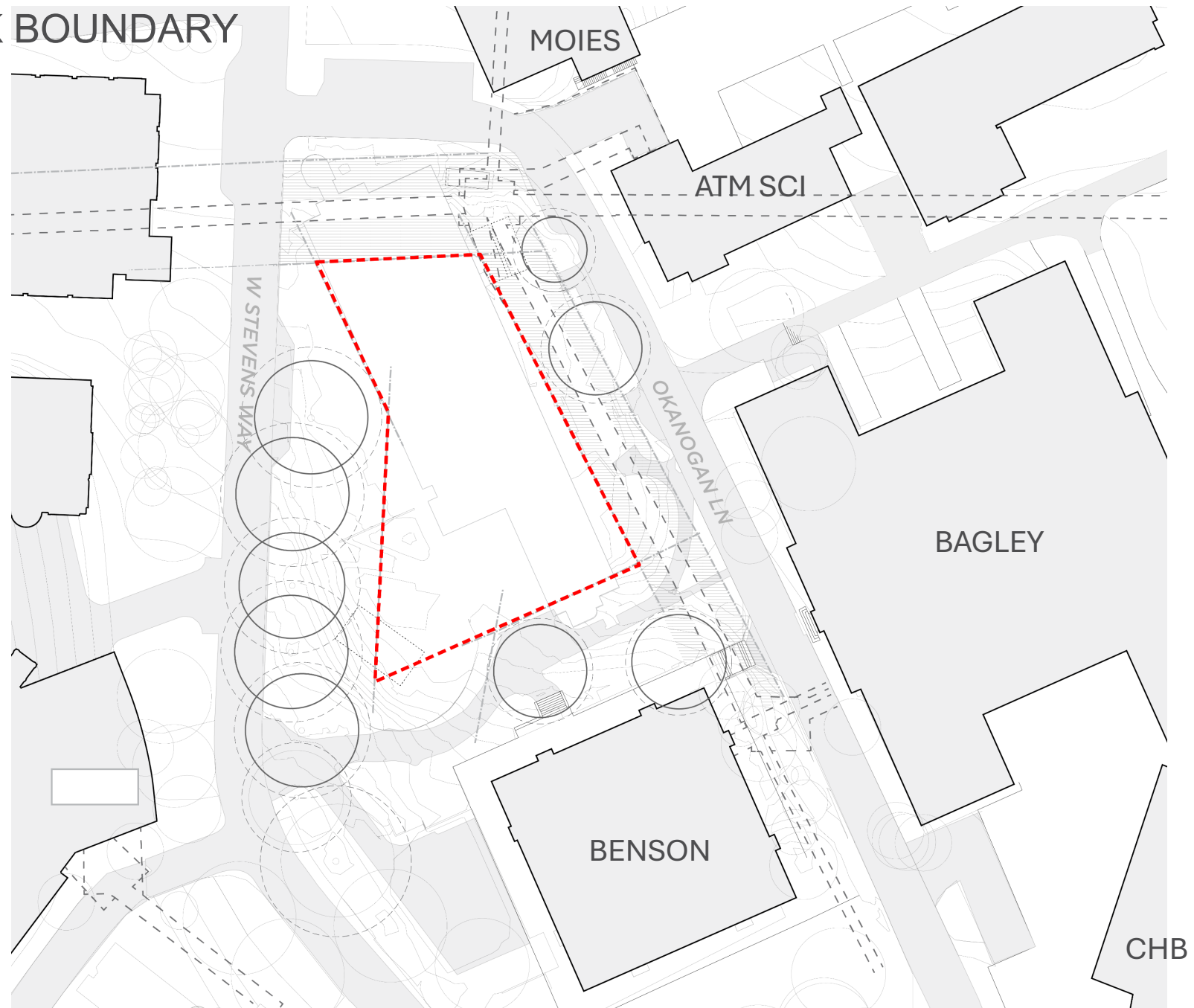
CONSTRAINTS | CRITICAL ROOT ZONE OFFSETS



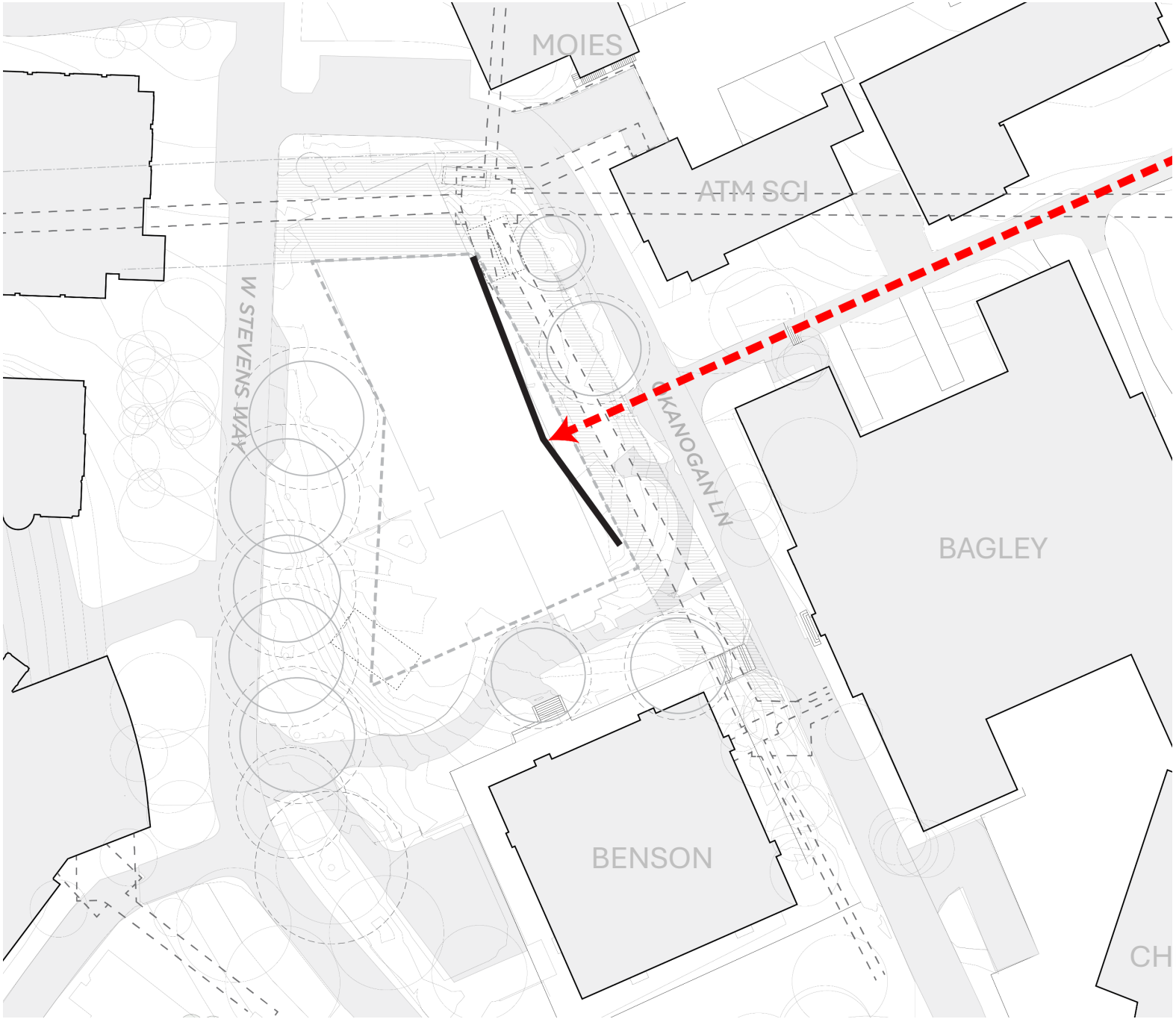
CONSTRAINTS | LIMIT OF WORK LINES



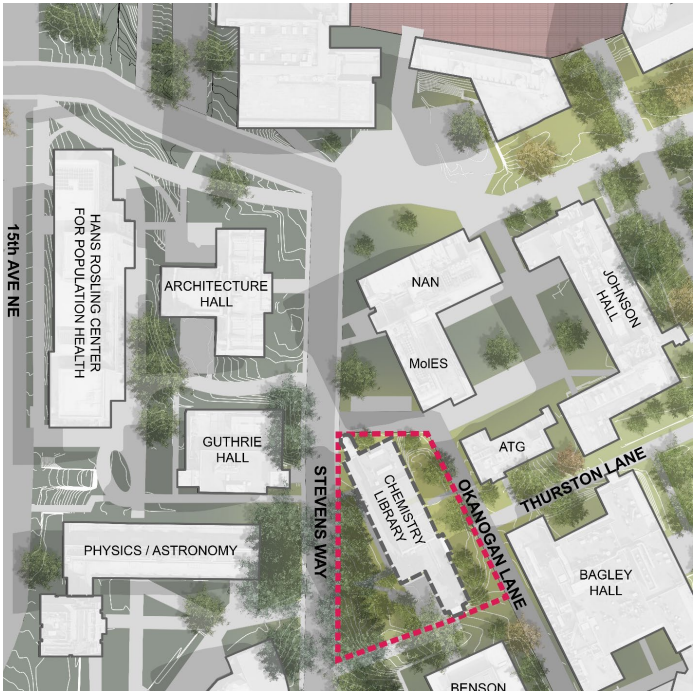
CONSTRAINTS | LIMIT OF WORK BOUNDARY



OPPORTUNITY | CAMPUS PATH



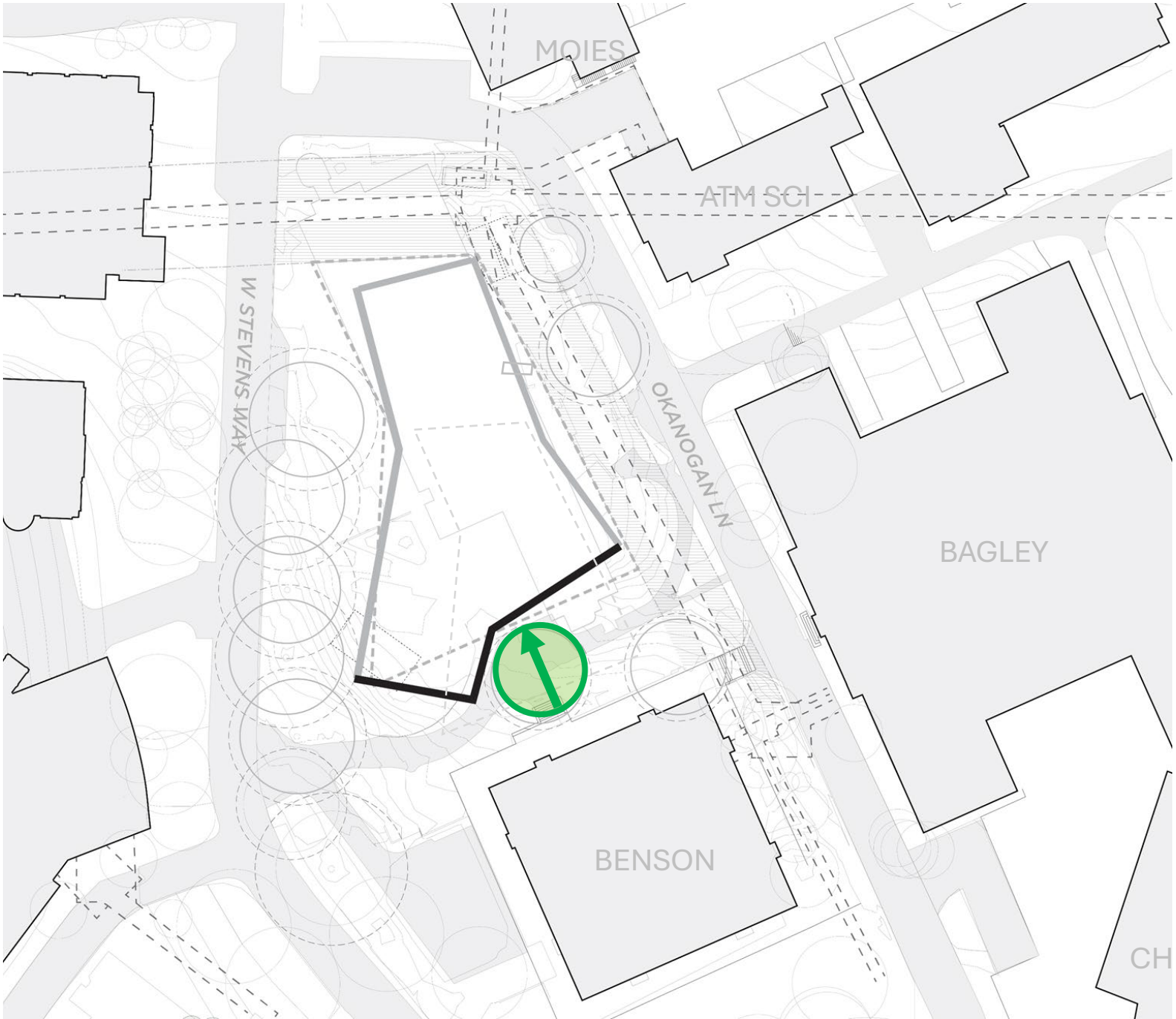
OPPORTUNITY | CAMPUS GATEWAY



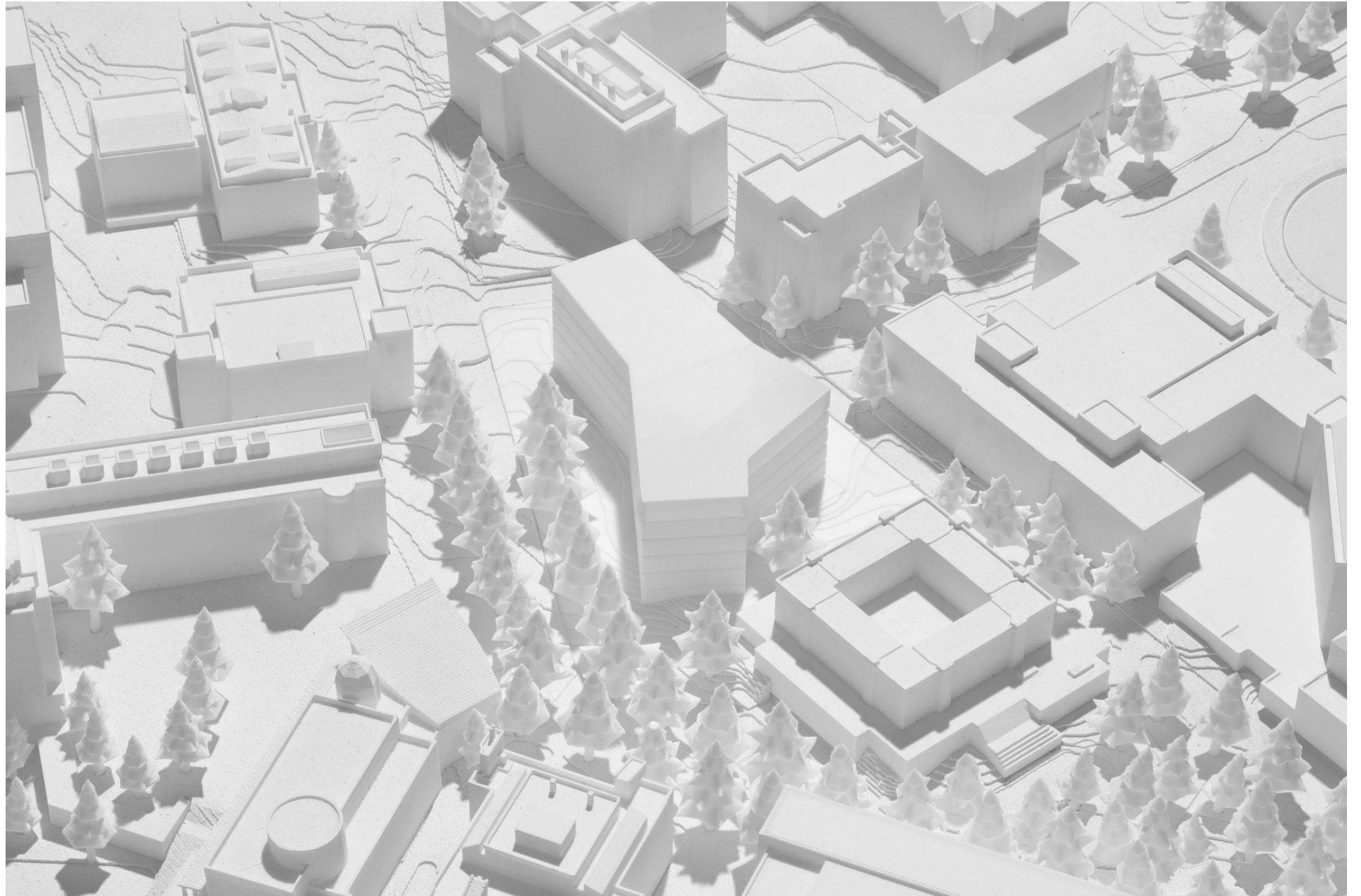
OPPORTUNITY | CEDARS



OPPORTUNITY | OAK



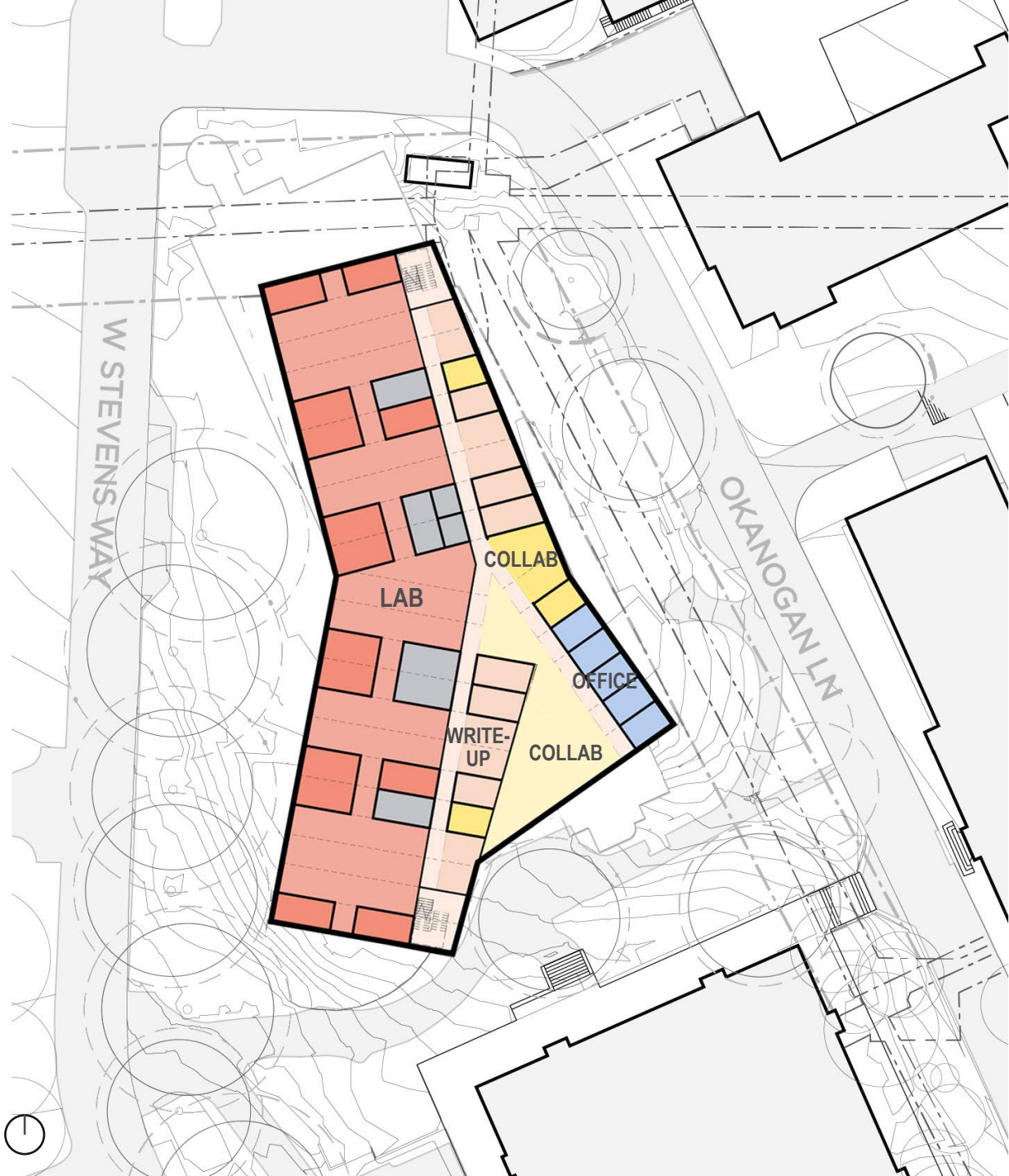
OPPORTUNITY | LIMIT OF WORK ENVELOPE



Architectural Organization

TYPICAL LAB FLOOR

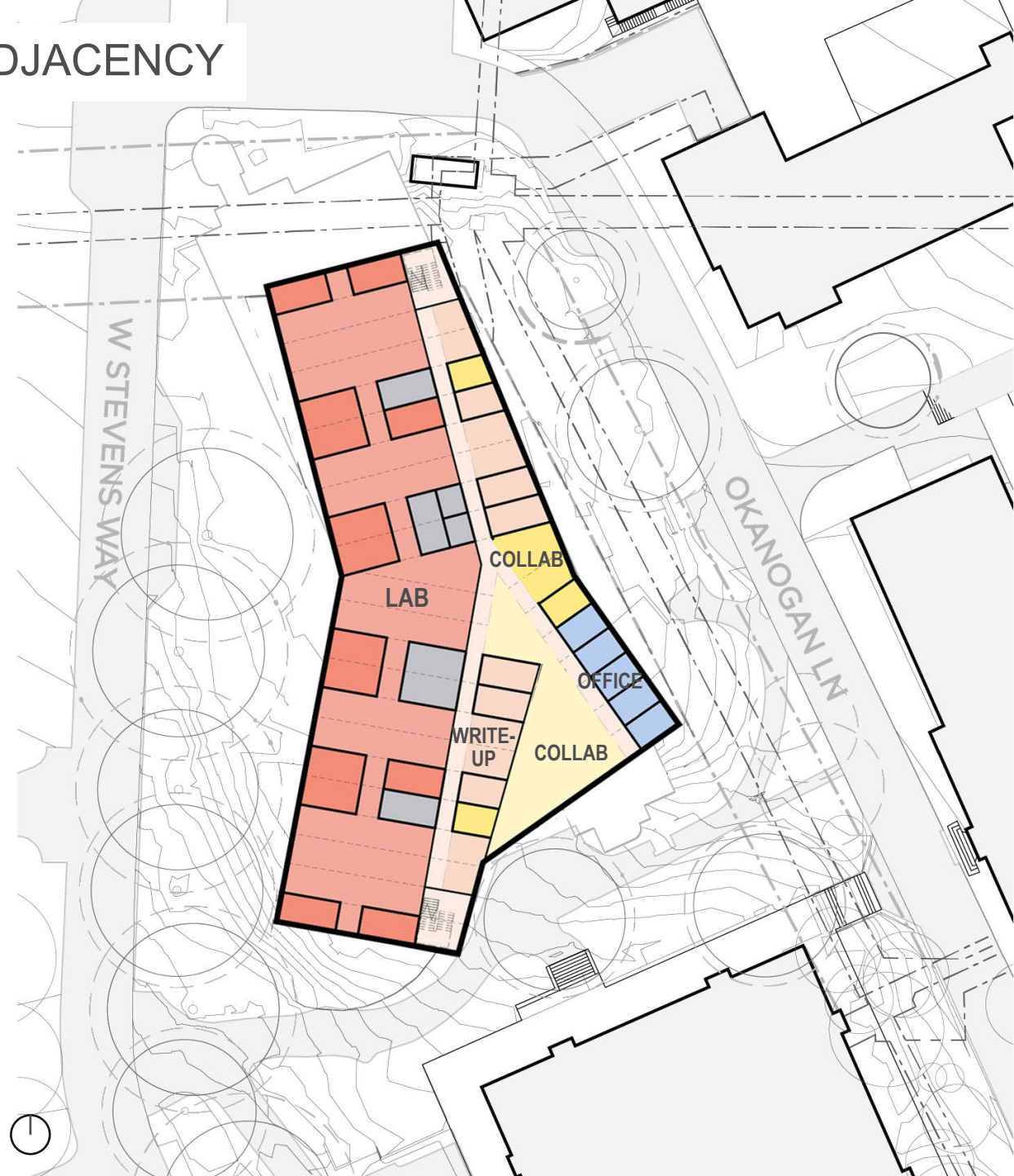
- HP Labs
- Research Labs
- Workspaces
- Offices
- Collaboration
- Support
- Circulation



TYPICAL LAB FLOOR | LAB & WORKSTATION ADJACENCY



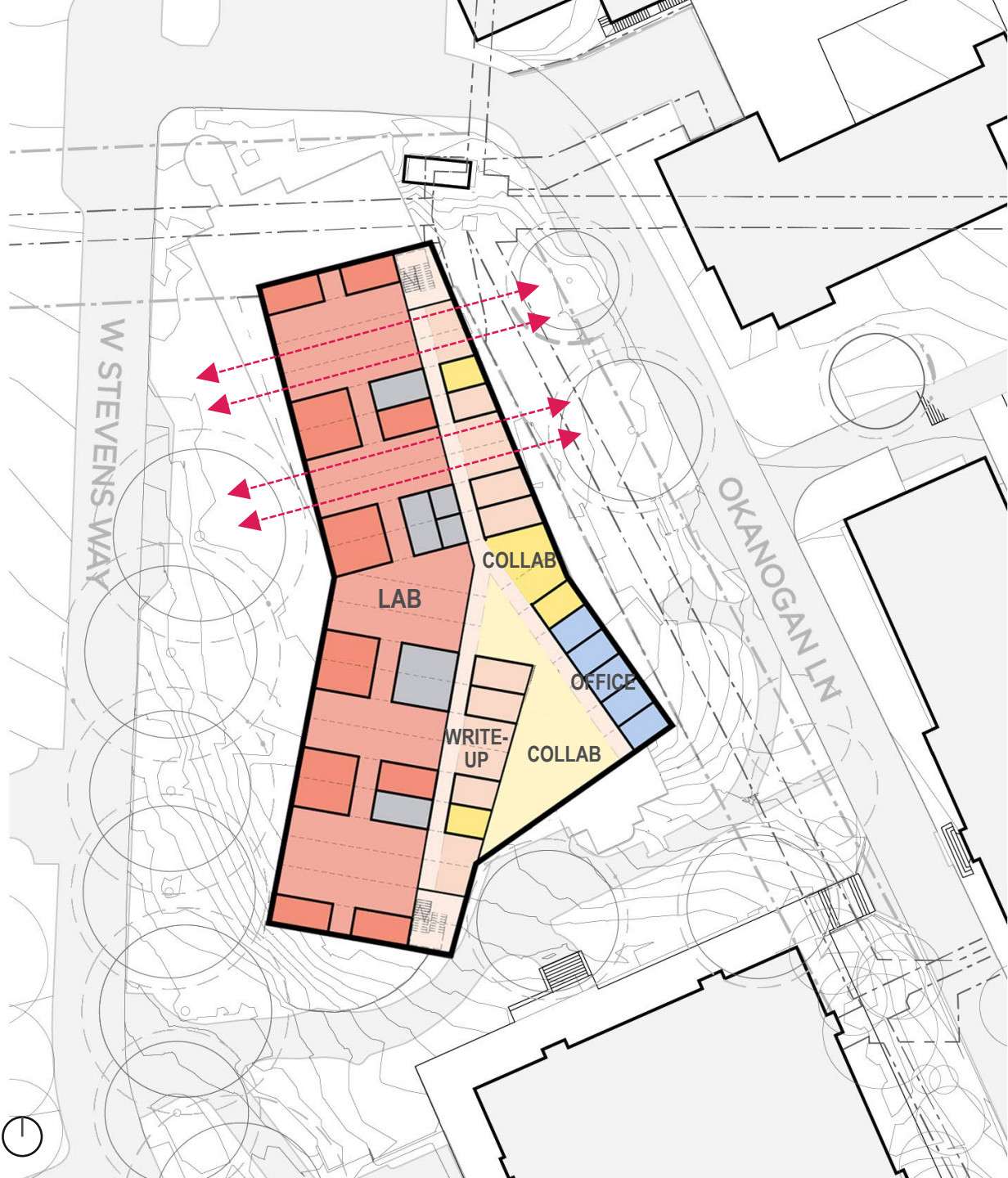
- HP Labs
- Research Labs
- Workspaces
- Offices
- Collaboration
- Support
- Circulation



TYPICAL LAB FLOOR | VIEW CORRIDORS



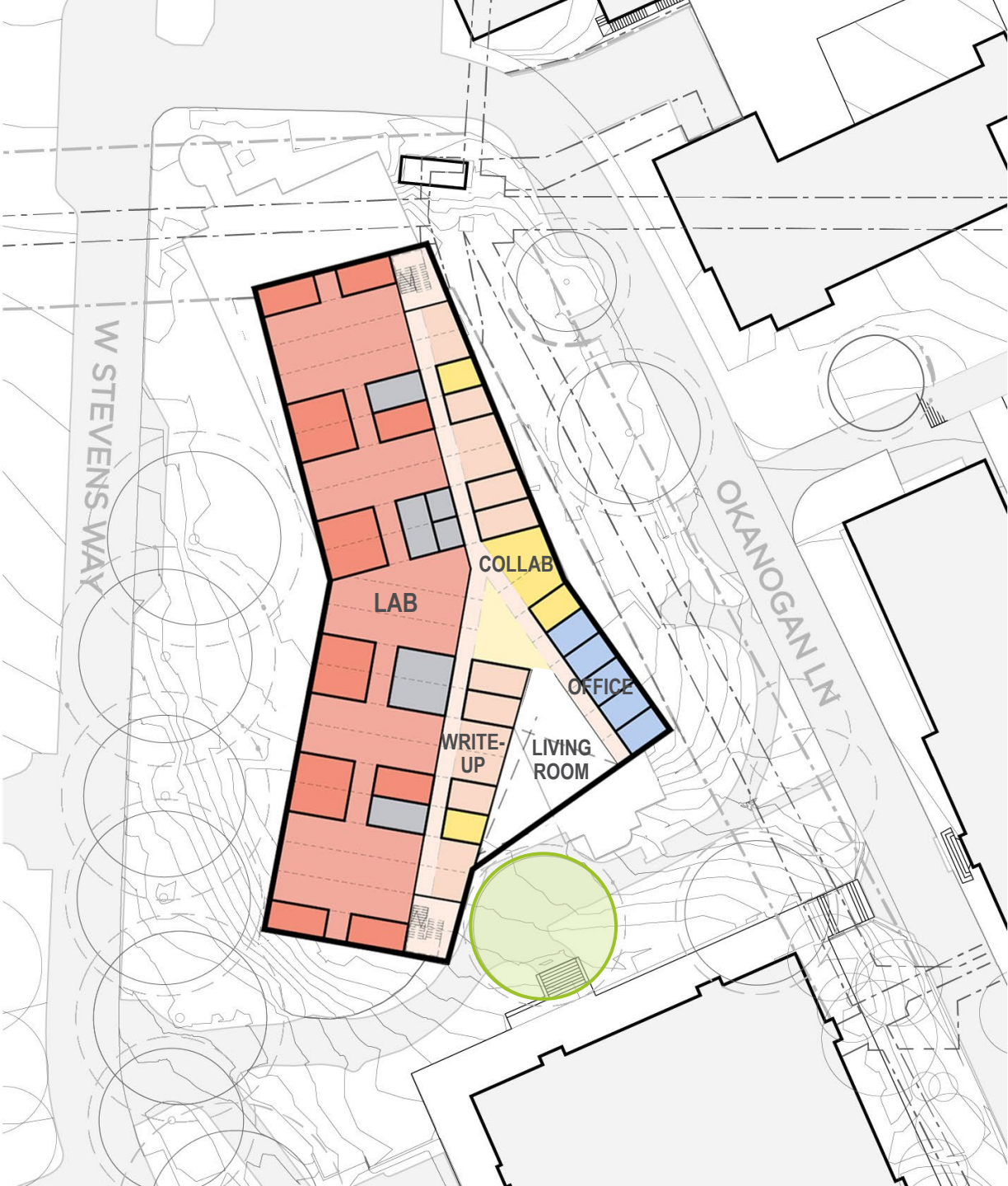
- HP Labs
- Research Labs
- Workspaces
- Offices
- Collaboration
- Support
- Circulation



TYPICAL LAB FLOOR | LIVING ROOM



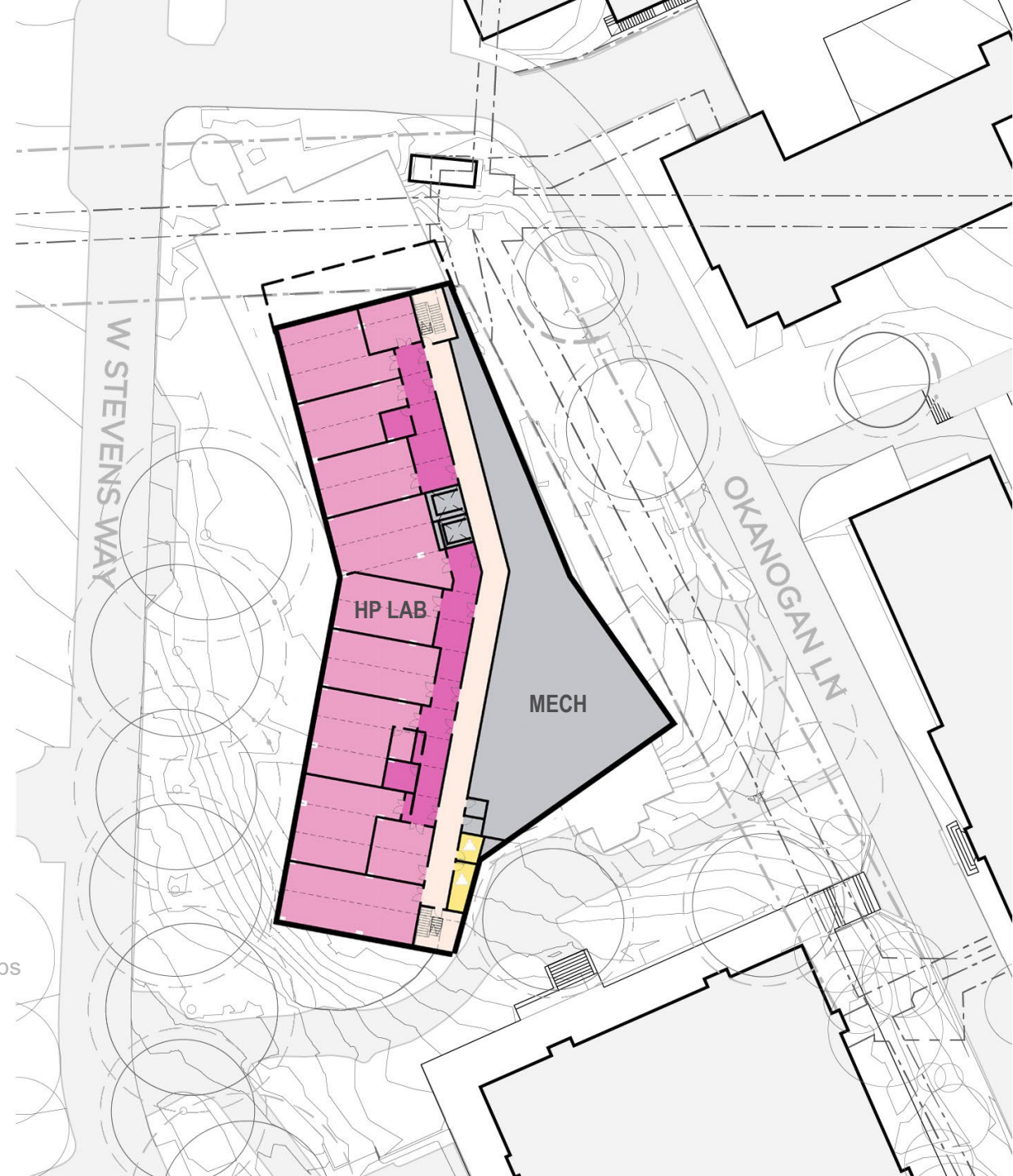
- HP Labs
- Research Labs
- Workspaces
- Offices
- Collaboration
- Support
- Circulation



BASEMENT



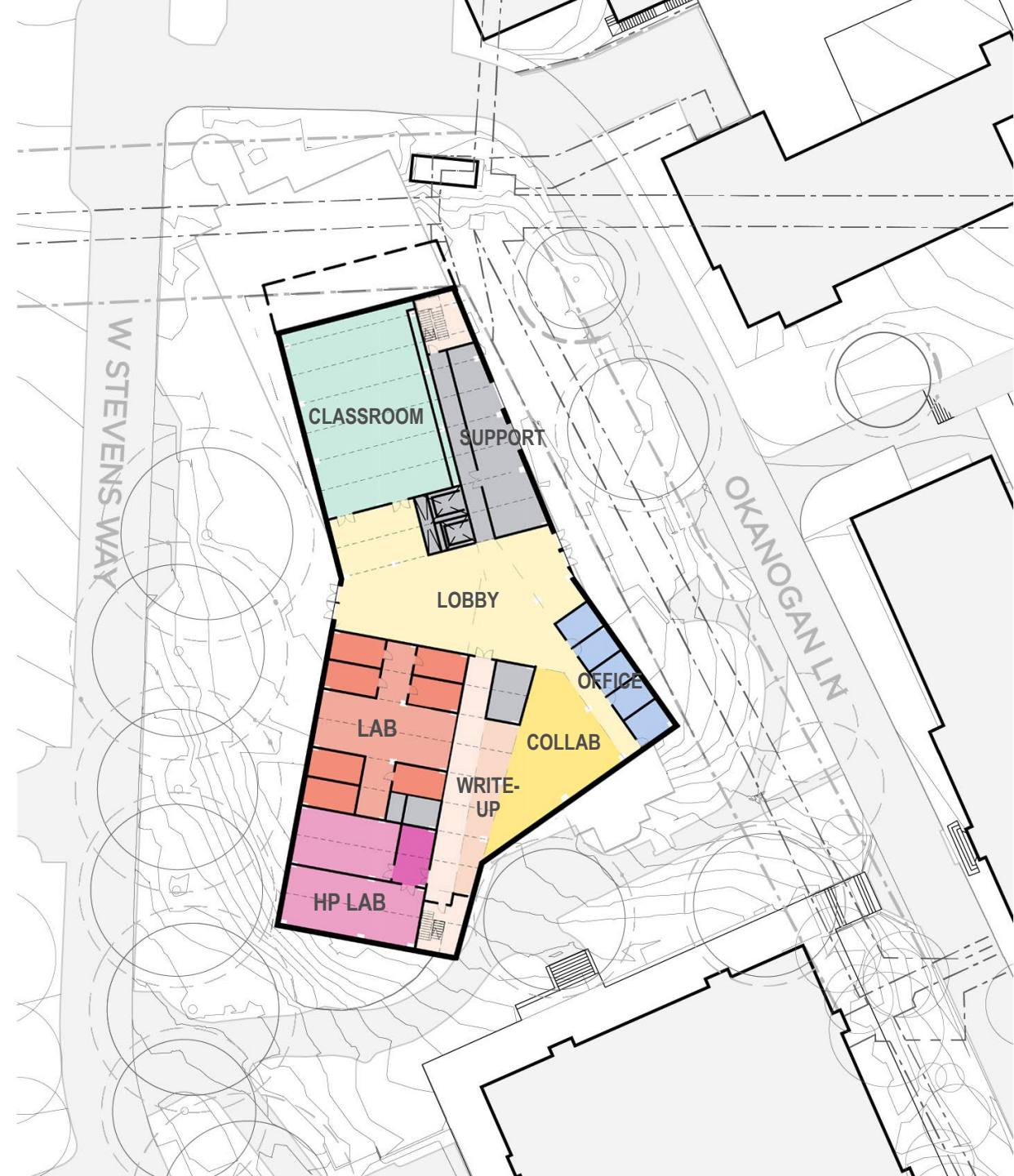
- HP Labs
- Research Labs
- Write-Up
- Offices
- Collaboration
- Support
- Circulation



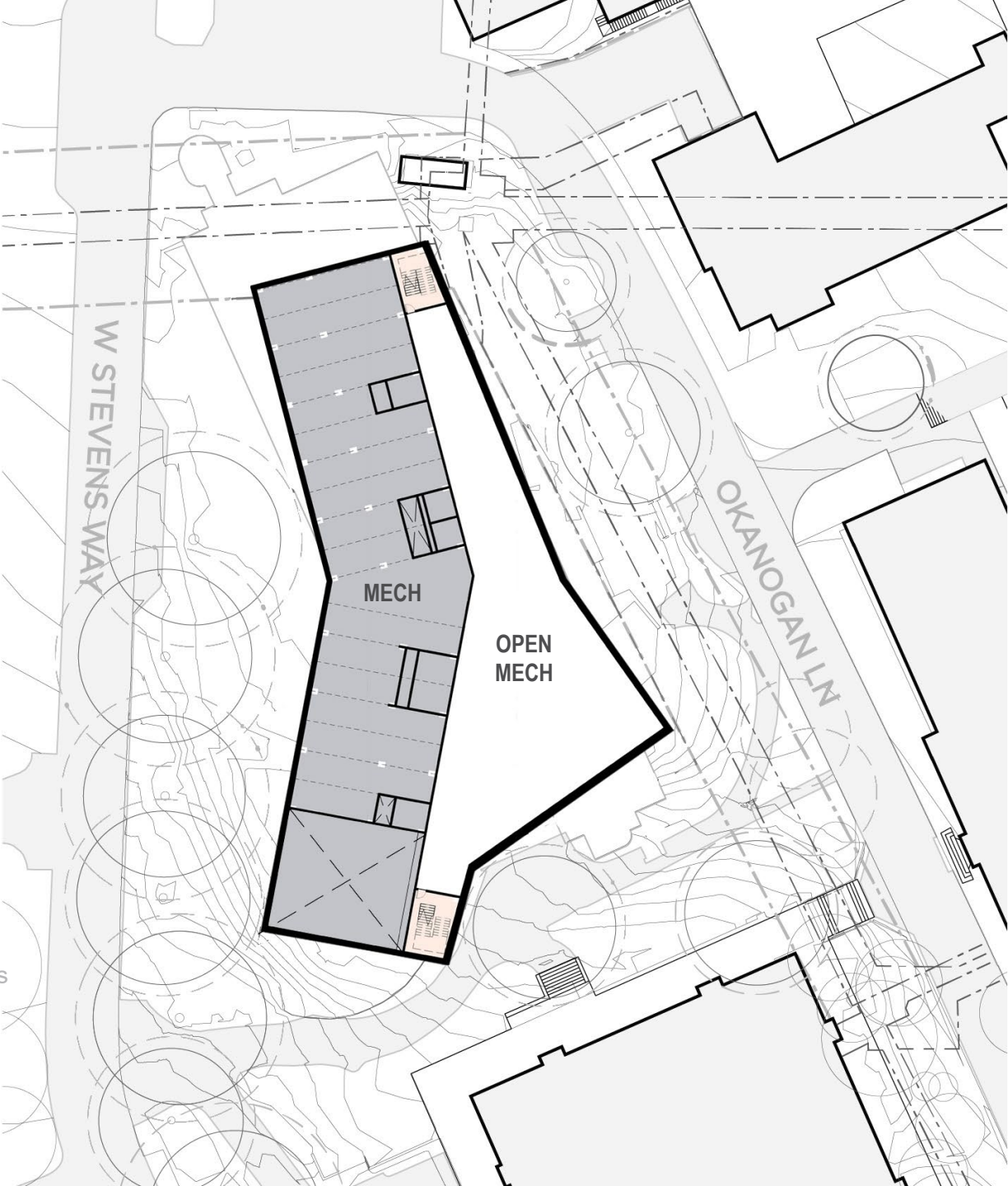
GROUND FLOOR



- HP Labs
- Research Labs
- Workspaces
- Offices
- Collaboration
- Support
- Circulation



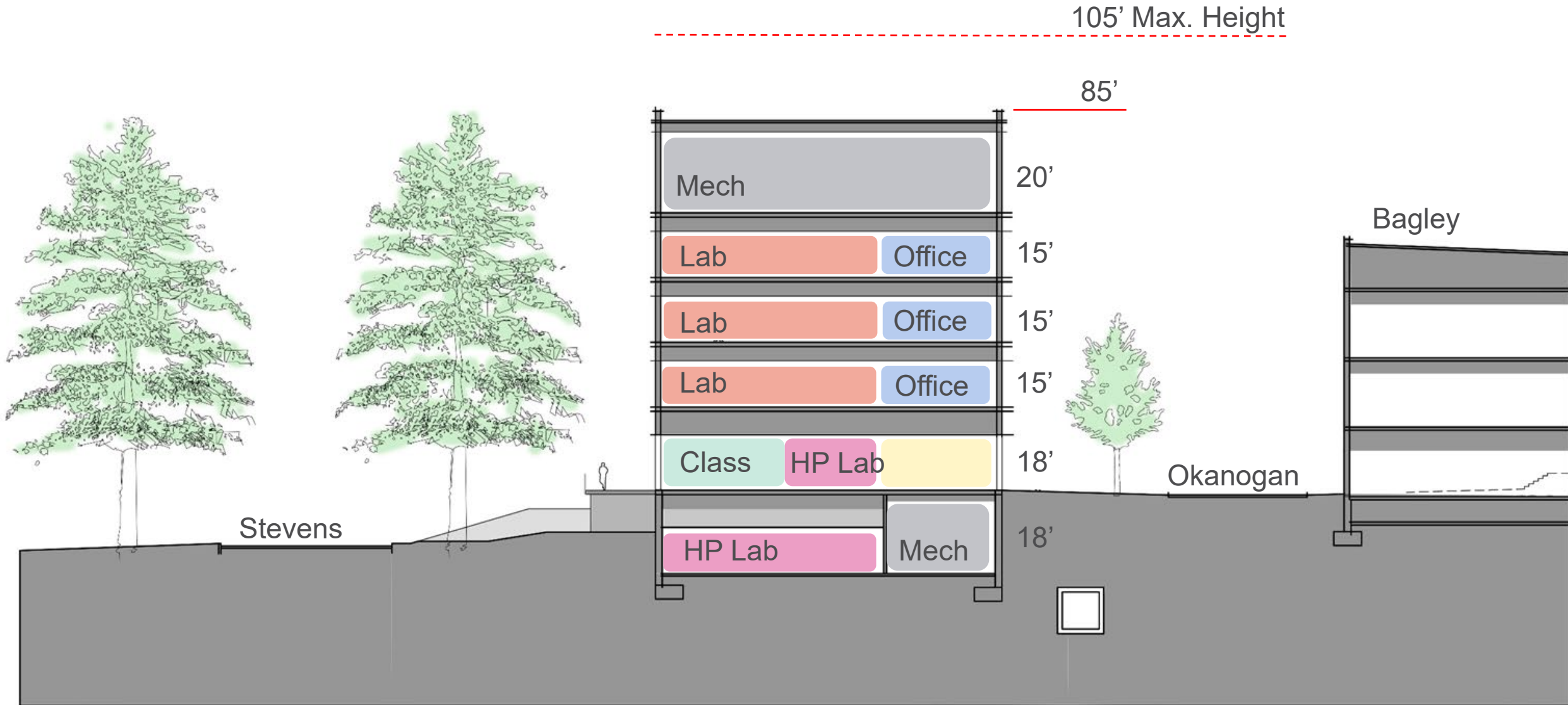
MECHANICAL PENTHOUSE



- HP Labs
- Research Labs
- Write-Up
- Offices
- Collaboration
- Support
- Circulation

STACKING

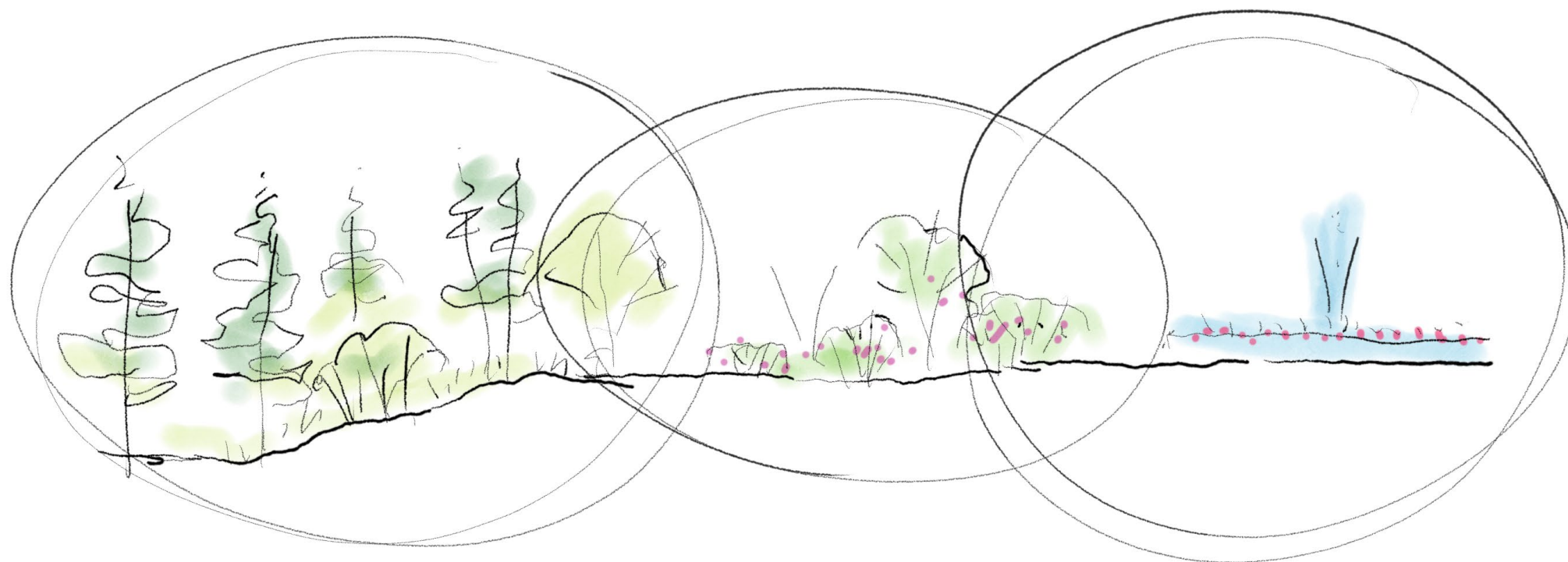
East-West Section



Ground Experience

WILDS





Wild

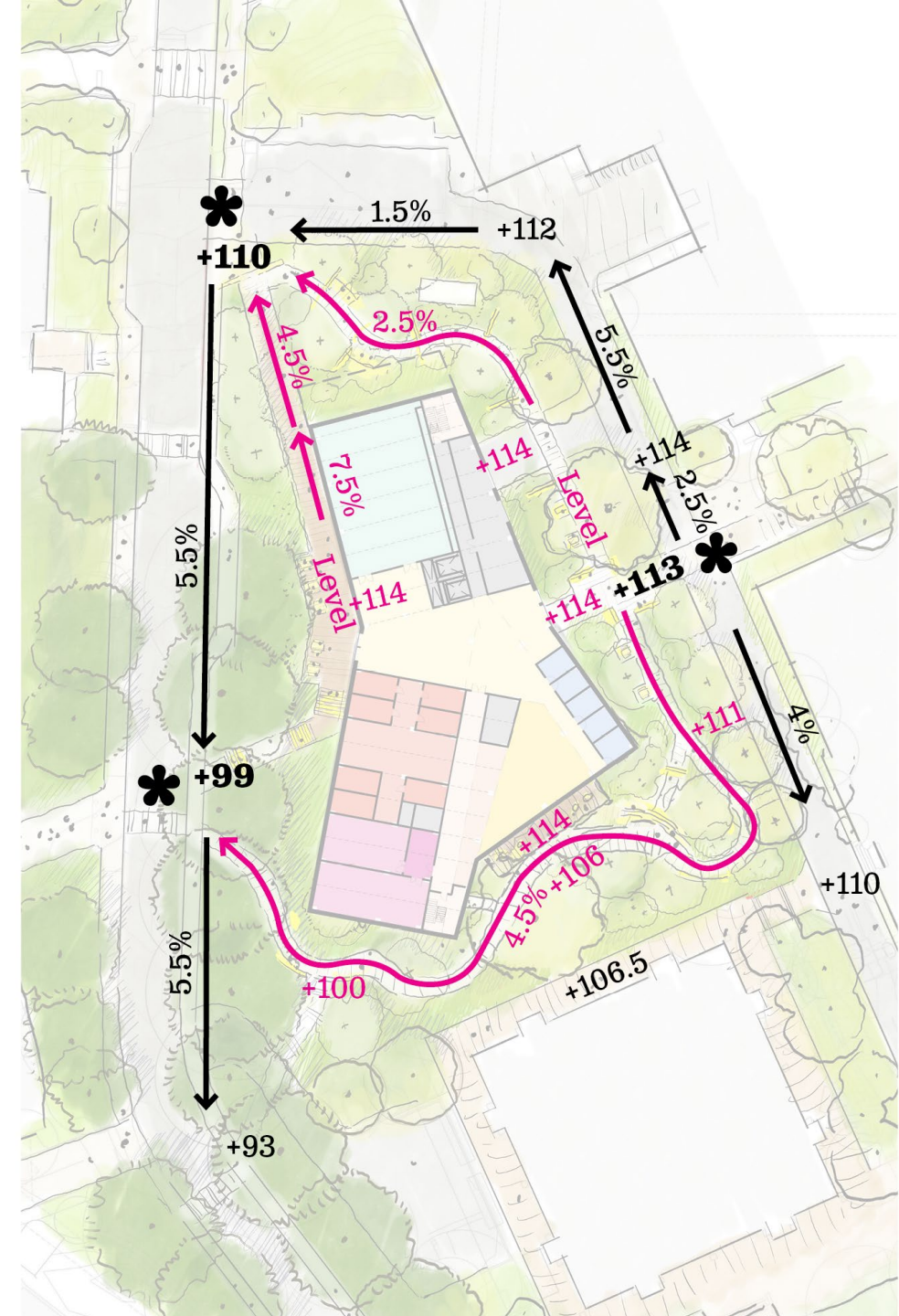
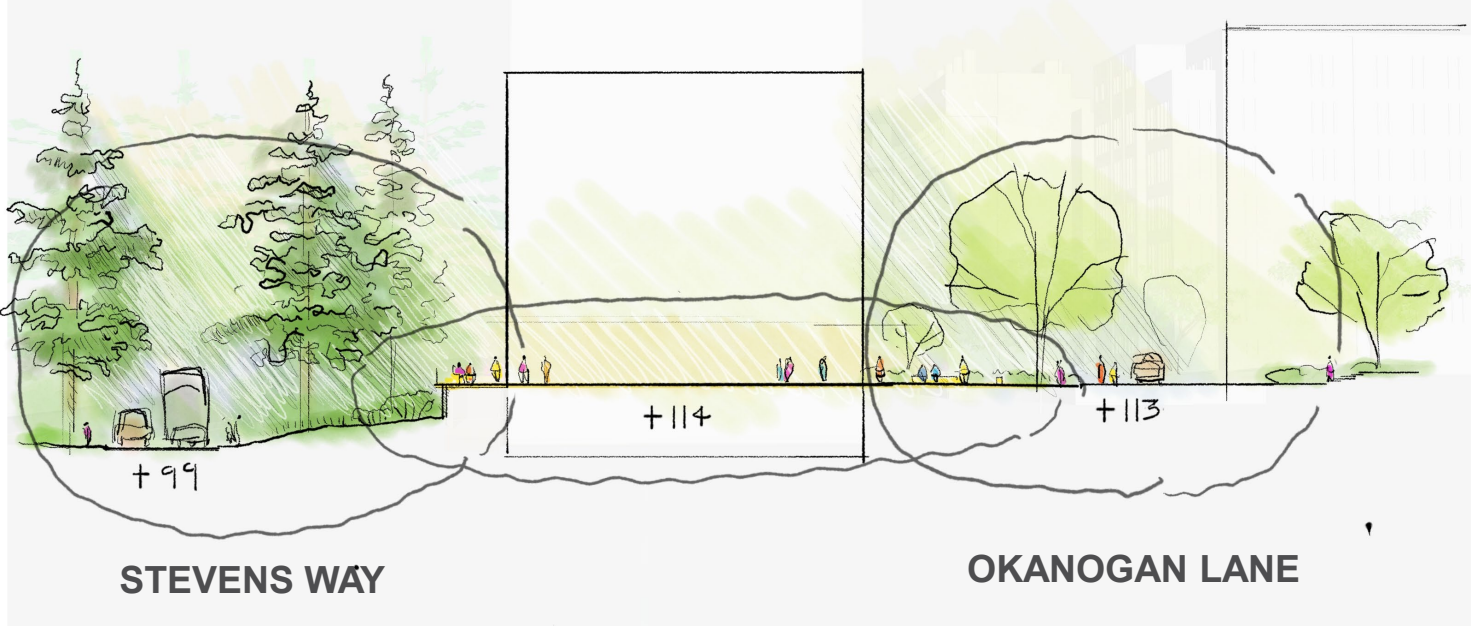
Formal

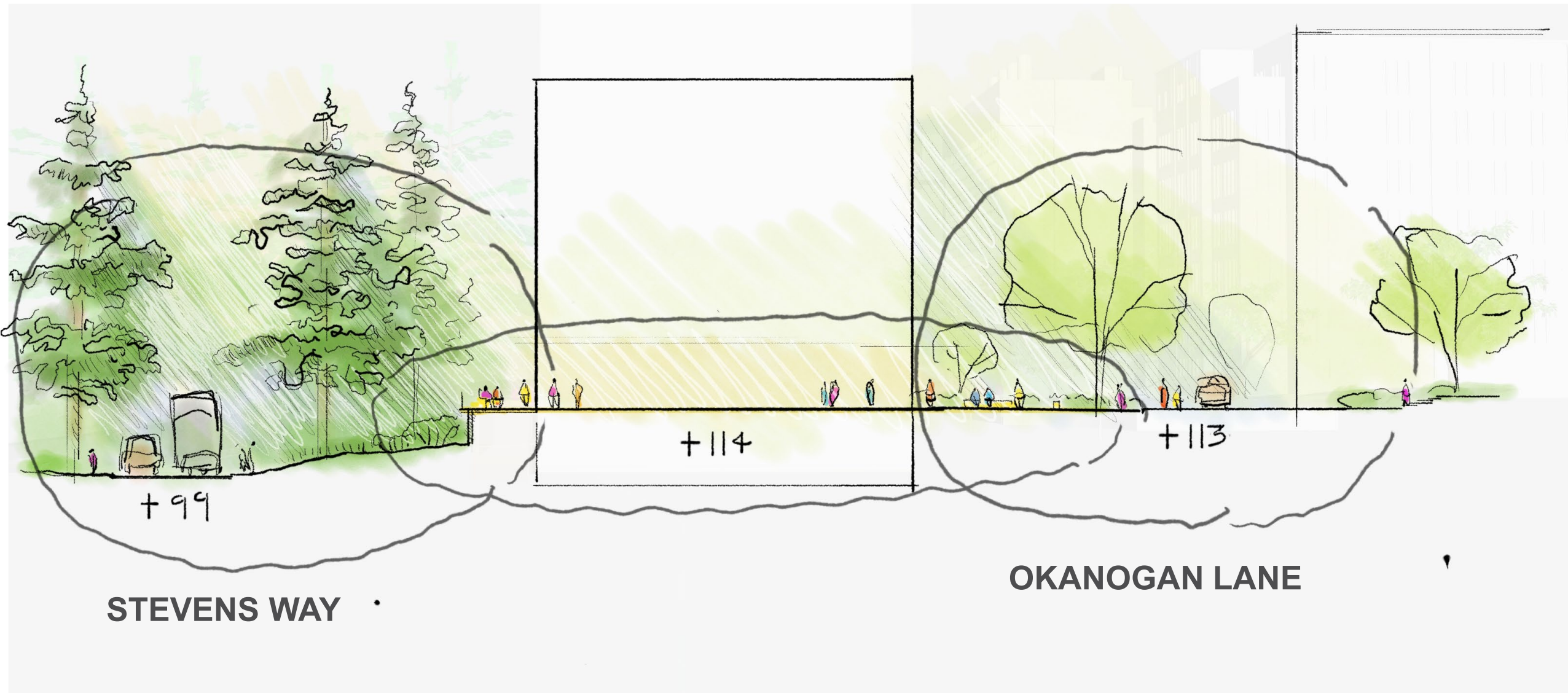
SITE GOALS

- Preserve existing trees and foster a thriving PNW landscape
- Complete campus connections, including accessible routes
- Provide interesting, unique, immersive experiences within the campus framework.



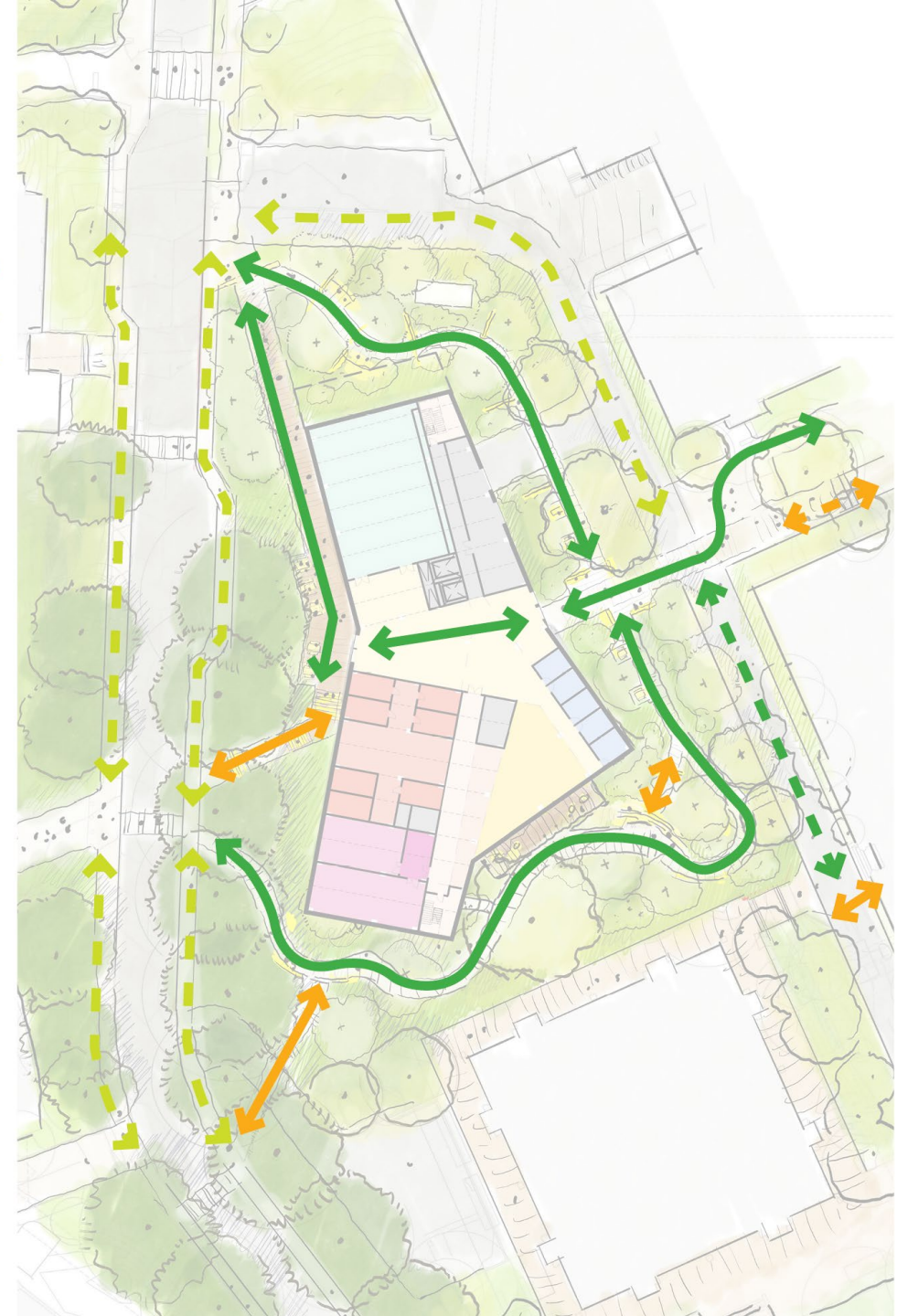
SITE GRADING





SITE CIRCULATION

ADA Compliant Path 
Route Without Stairs 
Path with Stairs 







SITE PLAN



SITE PLAN
EXISTING SERVICE
PROGRAM

Parking
MoIES Loading Dock
Electrical Switches

Crosswalks
Service Drive

Bagley Loading Dock
Benson Service Drive

Benson Loading Dock



SITE PLAN
PLANNED SERVICE
PROGRAM

Service Drive
(In existing location)

Loading Dock with
Basement Access Hatch

Parking

Bagley Entrance



SITE PLAN

PEOPLE PROGRAM

Small Group
Seating Moments

Stevens Way Deck
Okanogan Entry Plaza

Woodland Steps
Chemistry Living
Room Deck

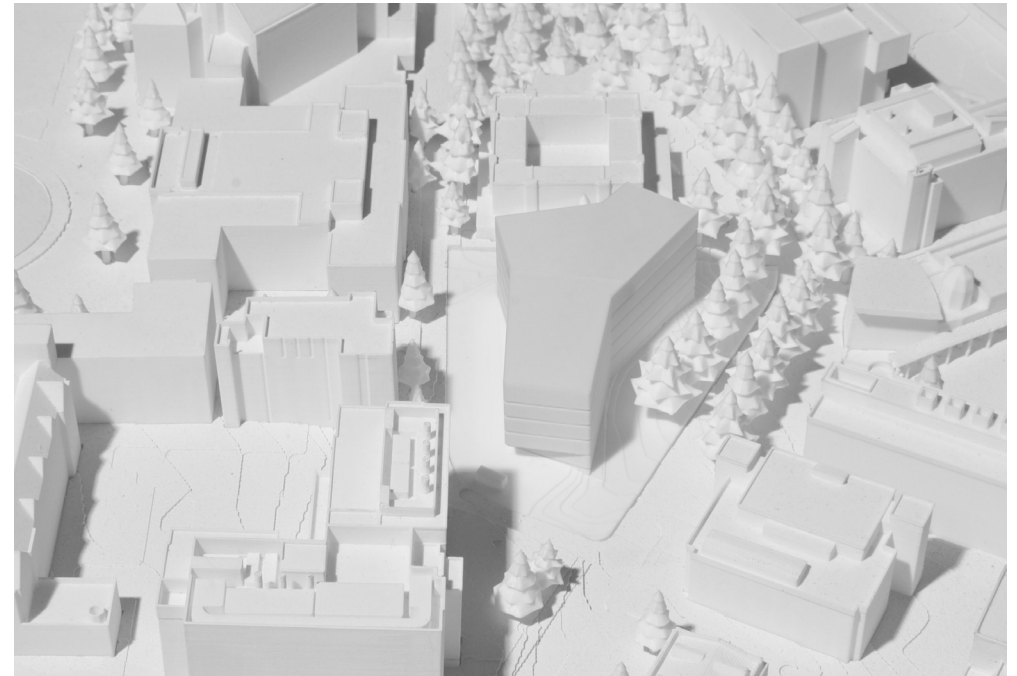
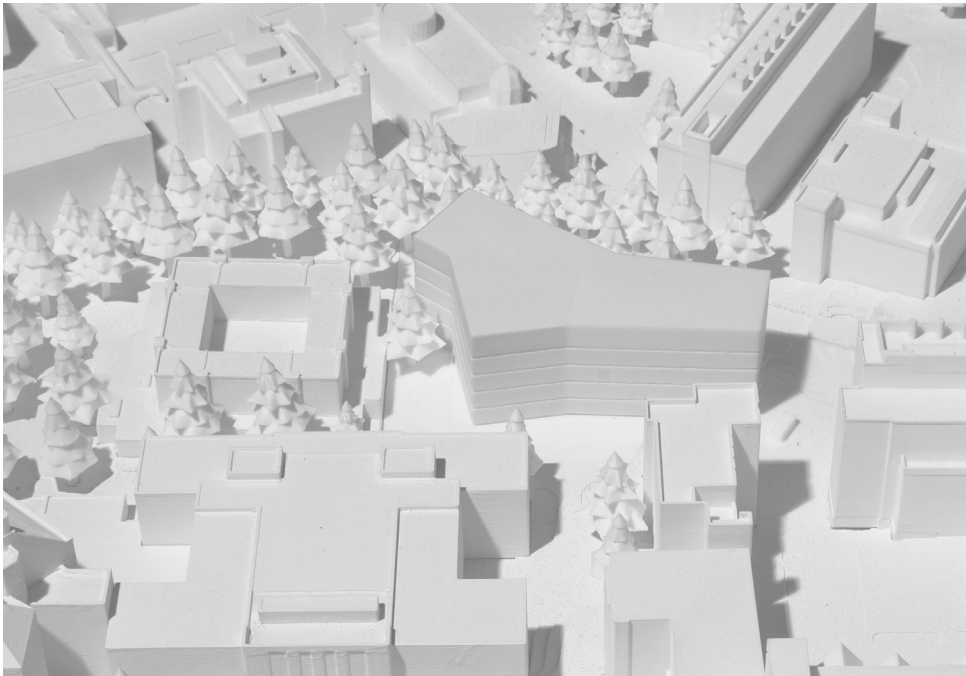




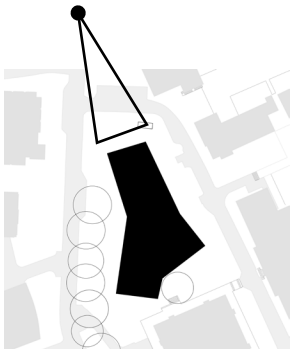
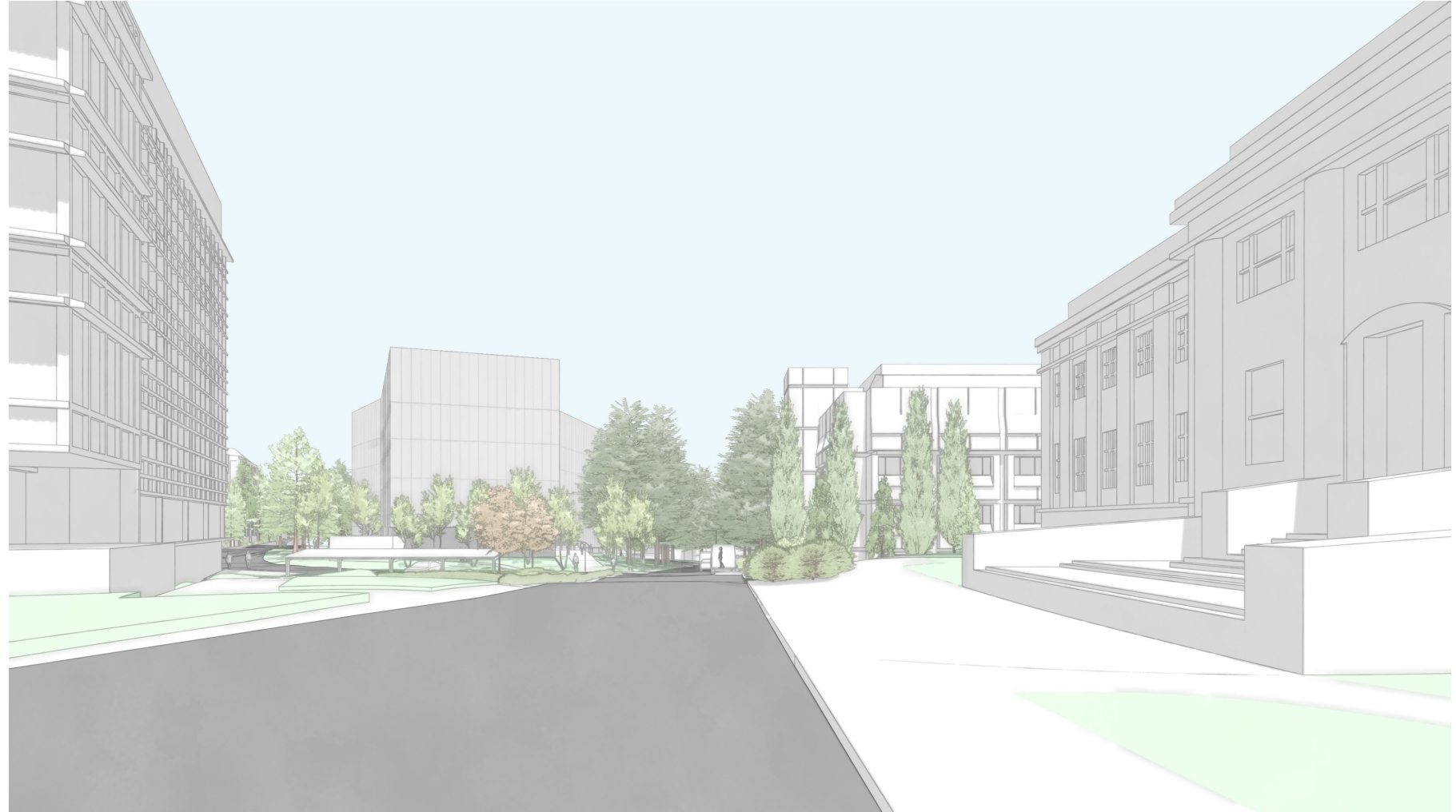


Massing + Campus Relationship

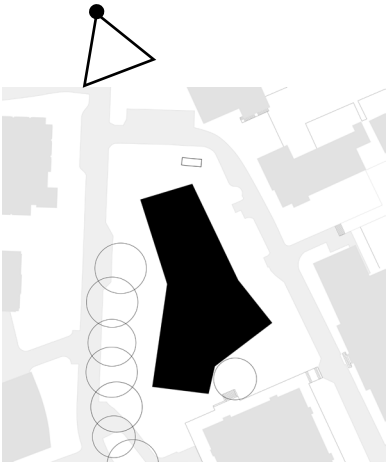
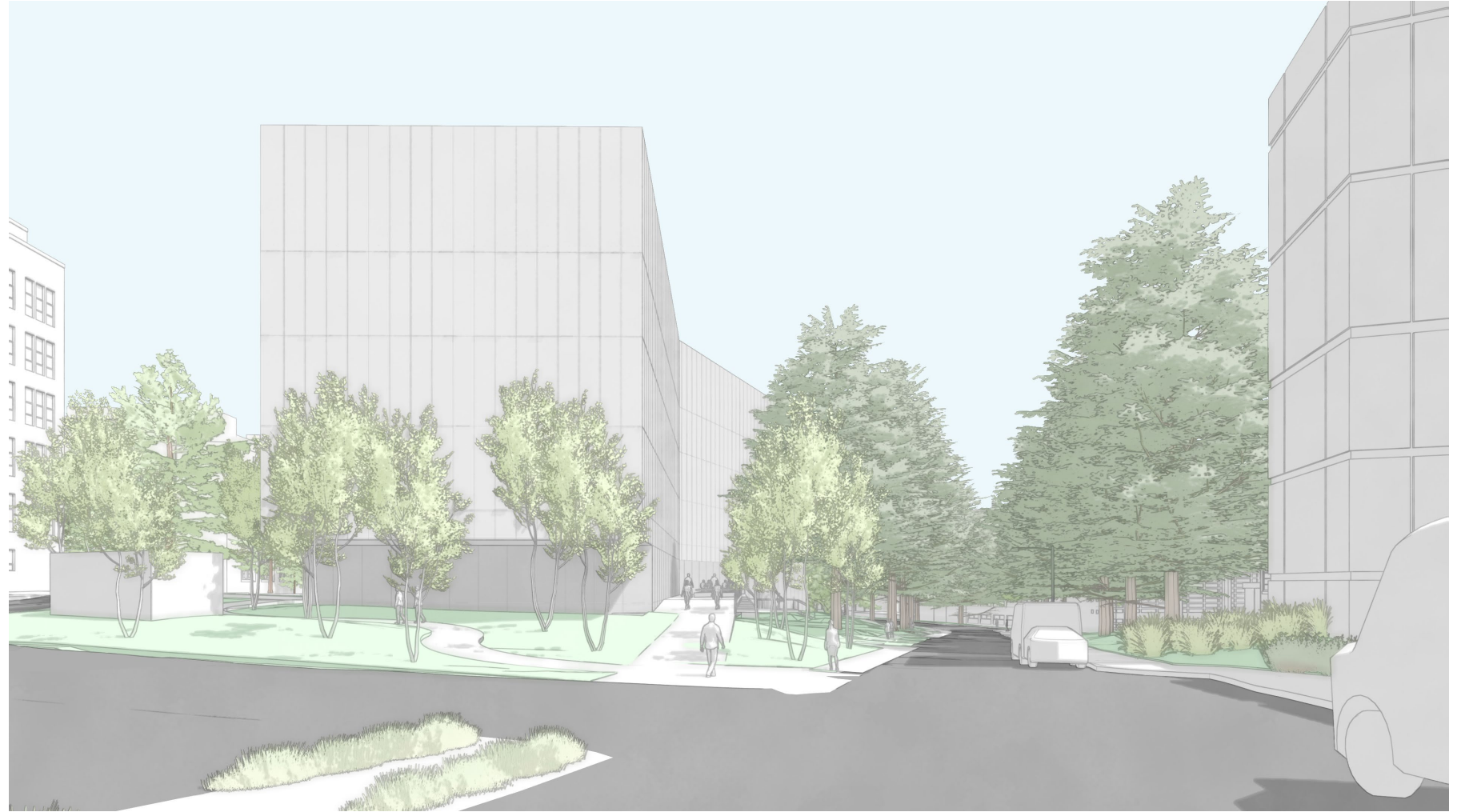
MASSING



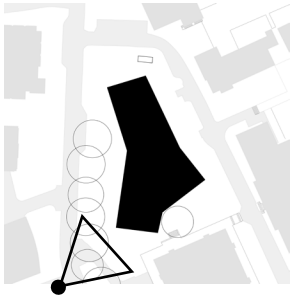
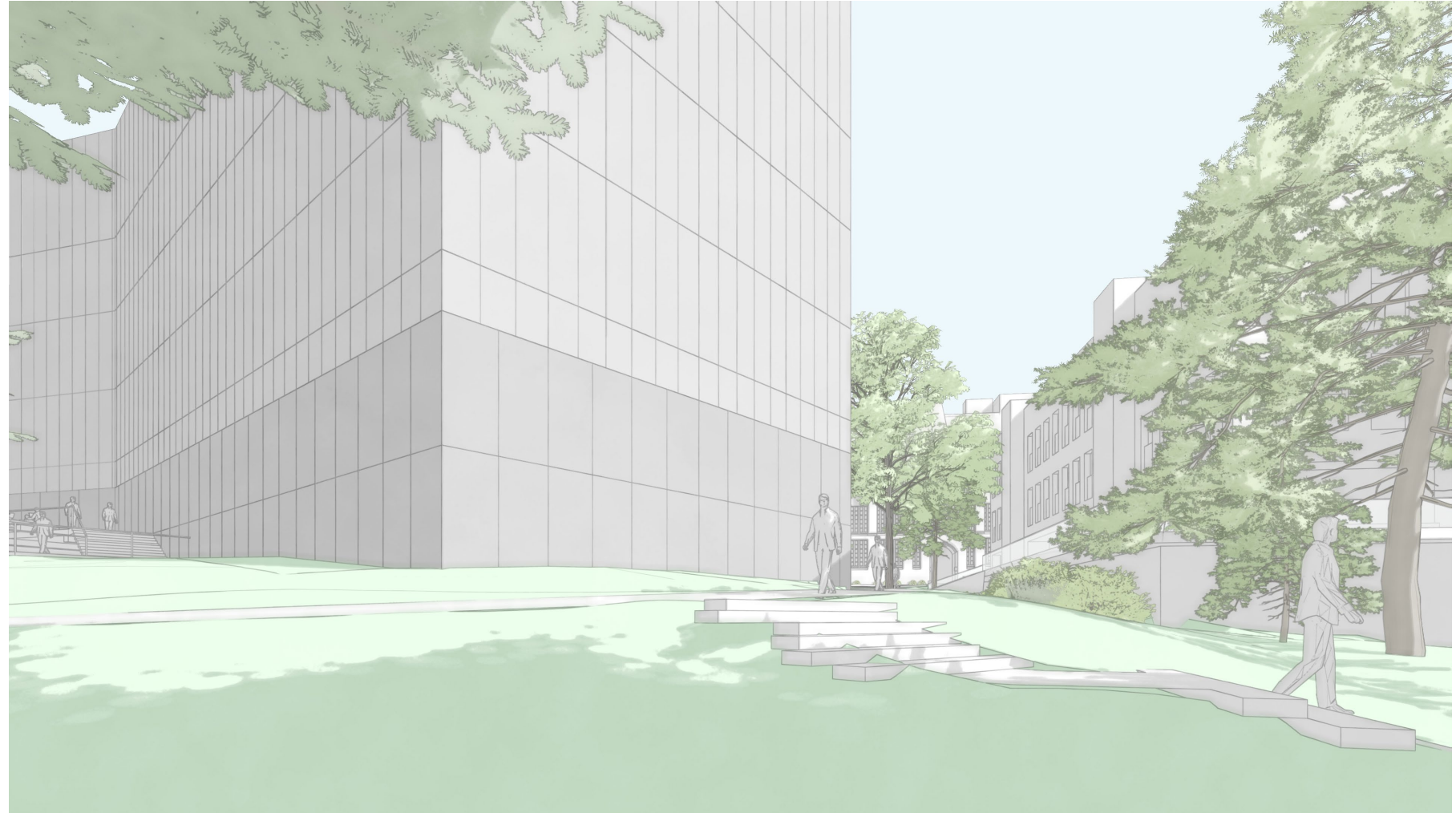
VIEW | CAMPUS GATEWAY



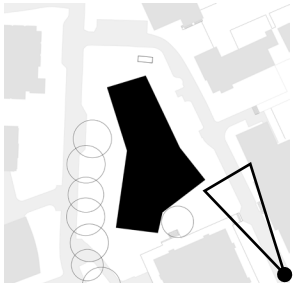
VIEW | CAMPUS GATEWAY



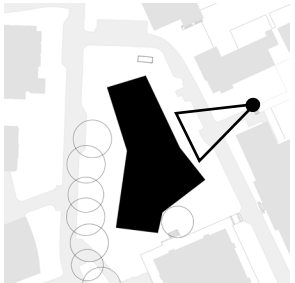
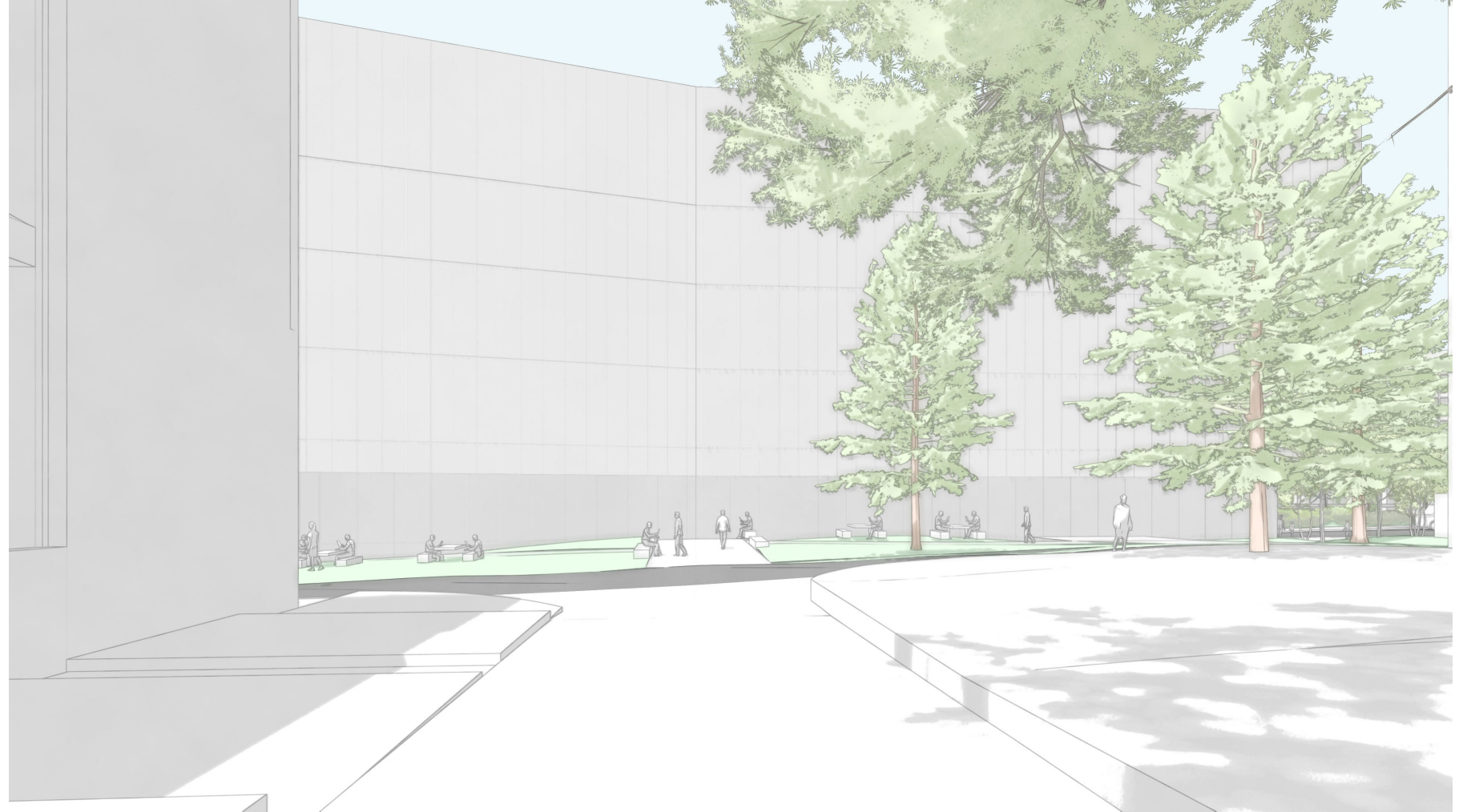
VIEW | GAP BETWEEN CSB & BENSON



VIEW | APPROACH ALONG OKANAGAN FROM SOUTH



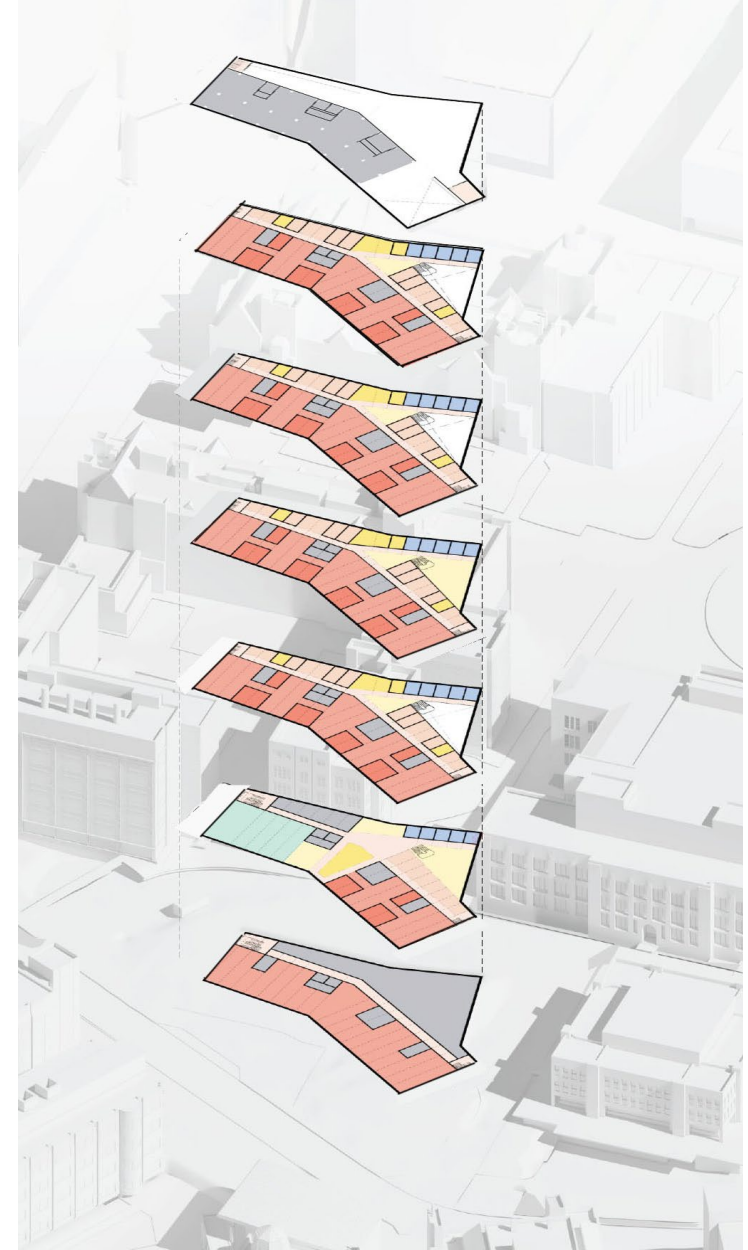
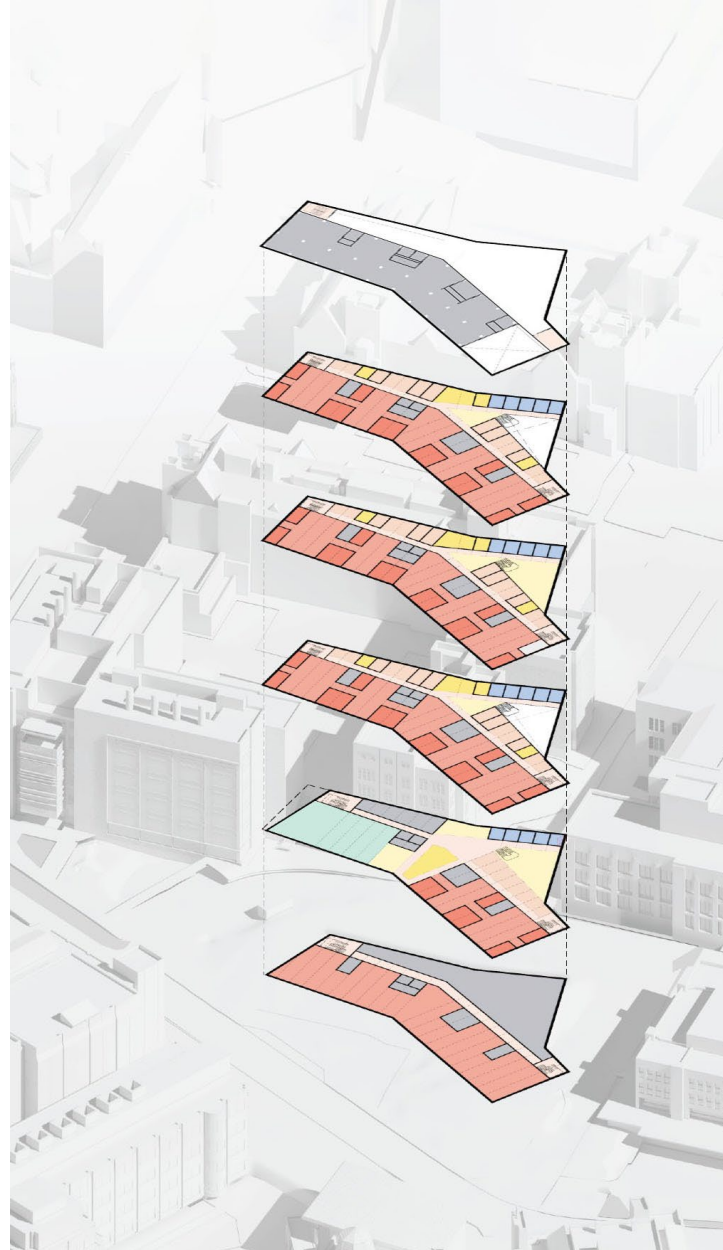
VIEW | ENTRY FROM THURSTON PATH



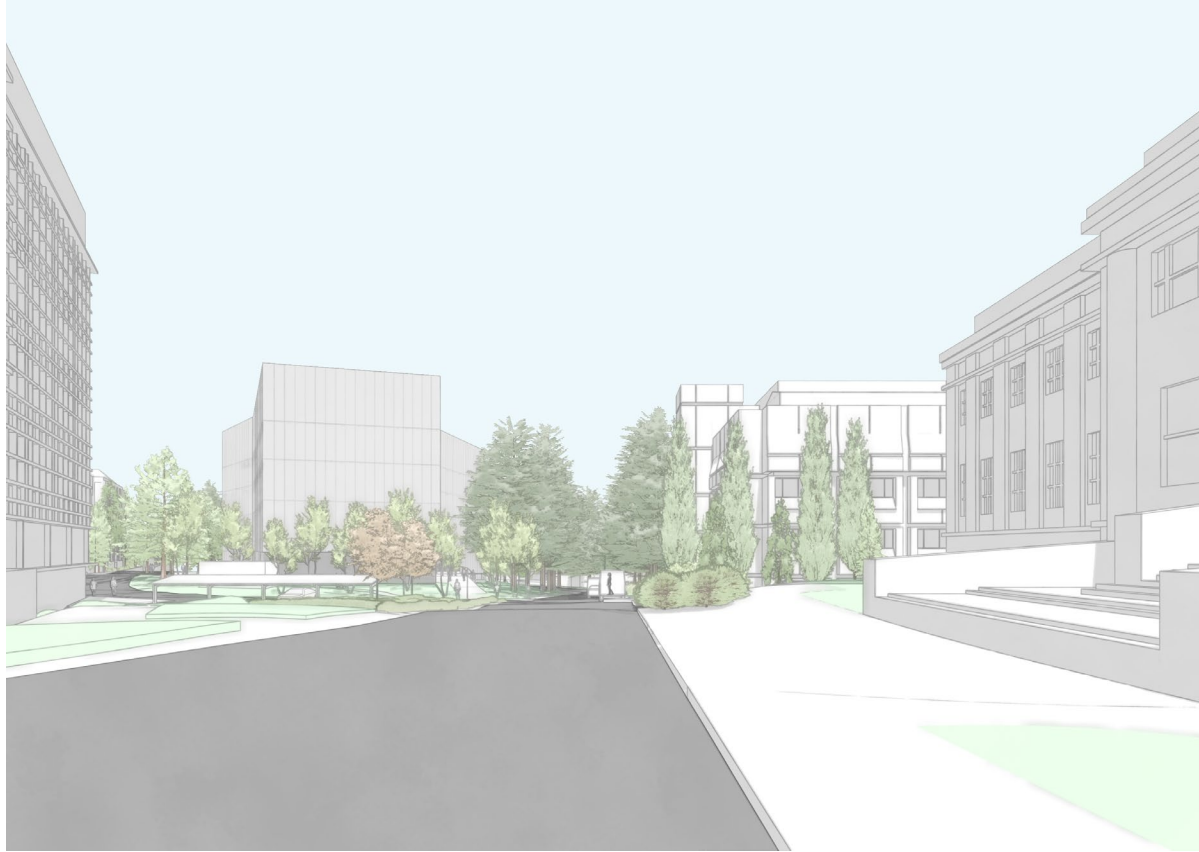
LIVING ROOM



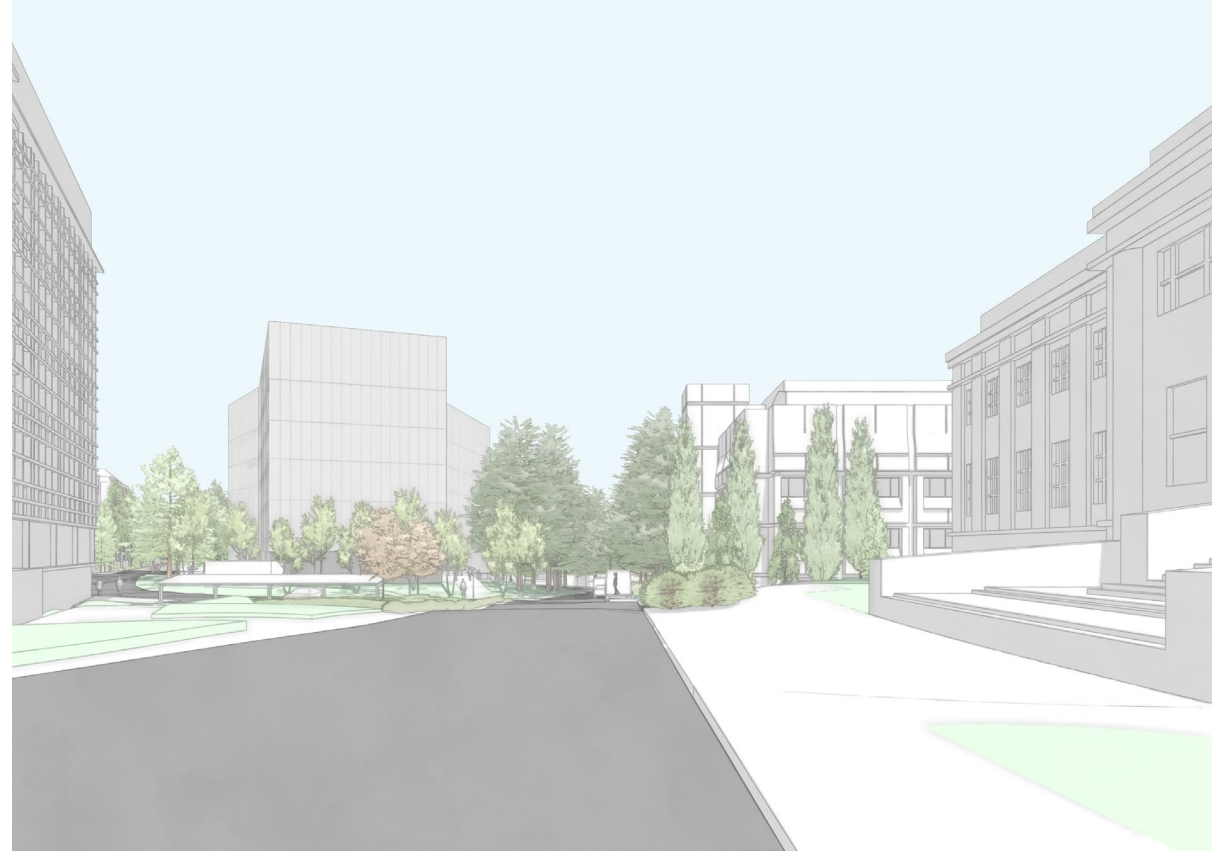
CURRENT STUDIES | 5- VS. 6-STORY STACKING



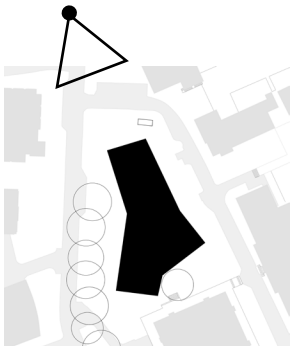
CURRENT STUDIES | BUILDING HEIGHT



5-Stories



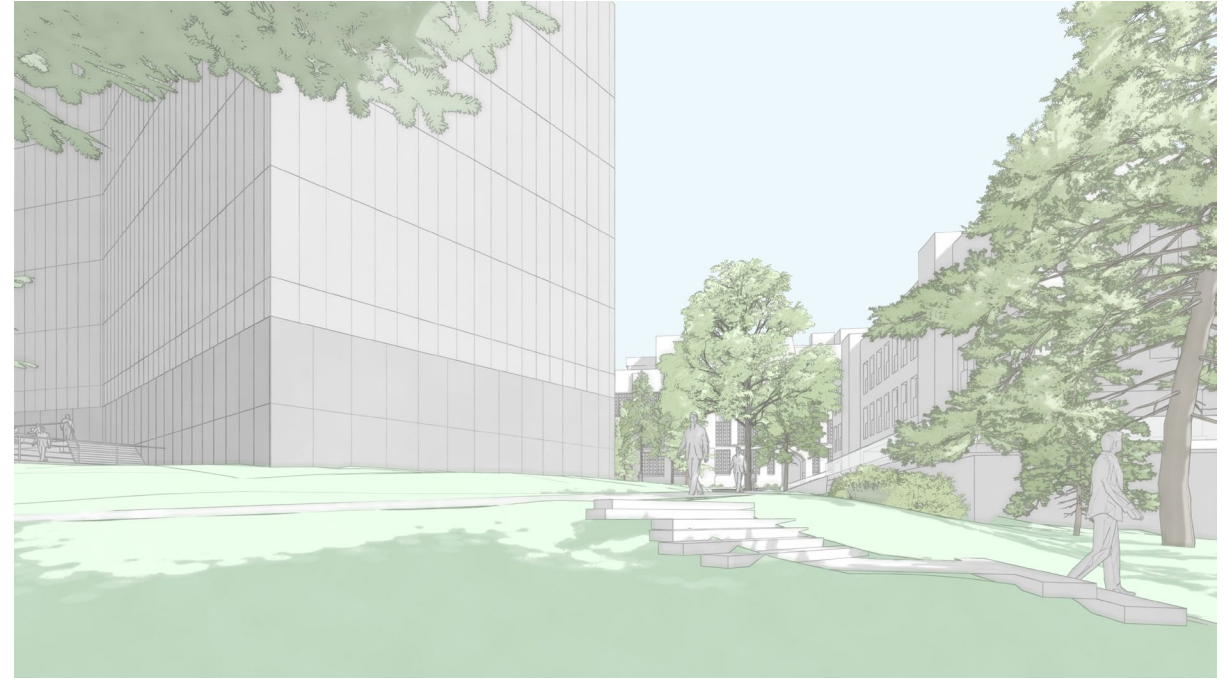
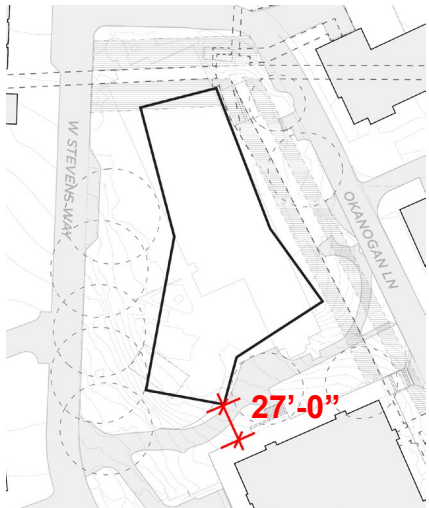
6-Stories



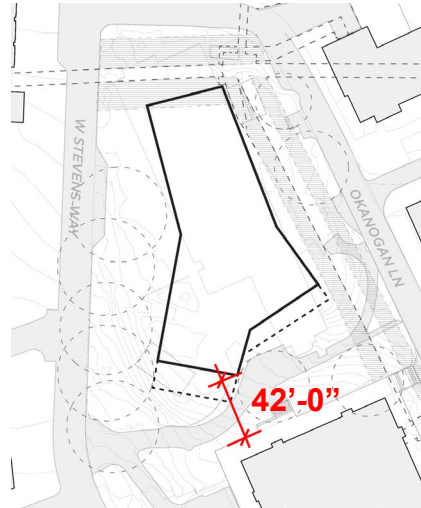
CURRENT STUDIES | DISTANCE FROM BENSON



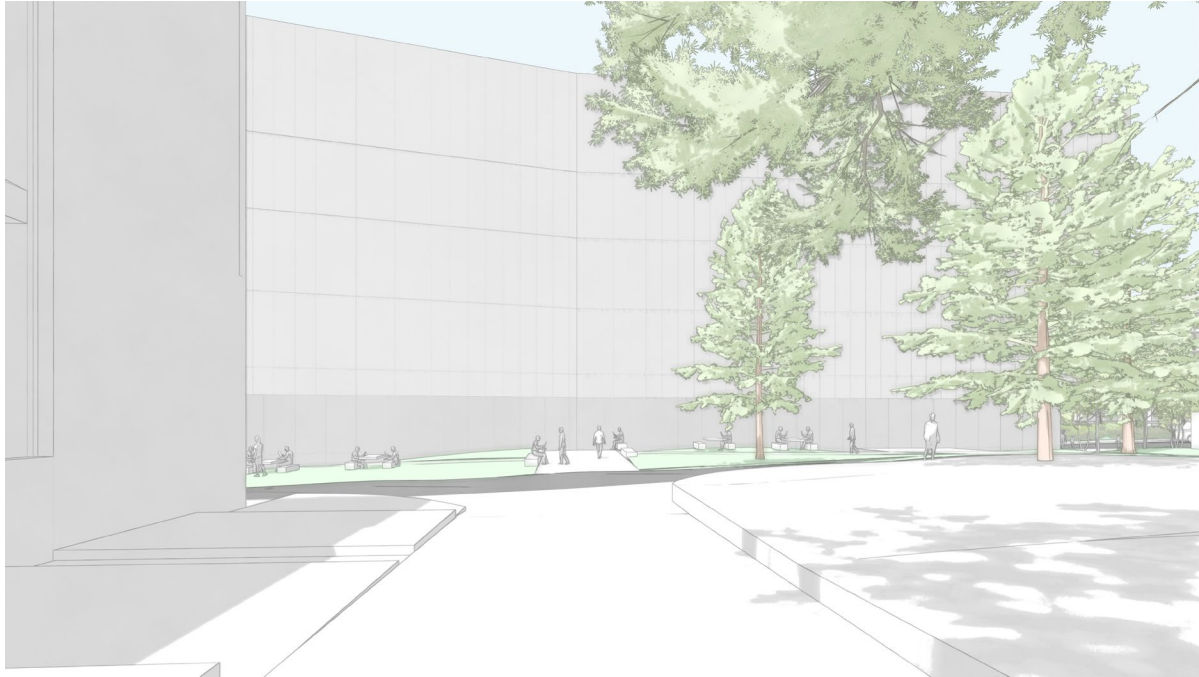
27-foot separation distance



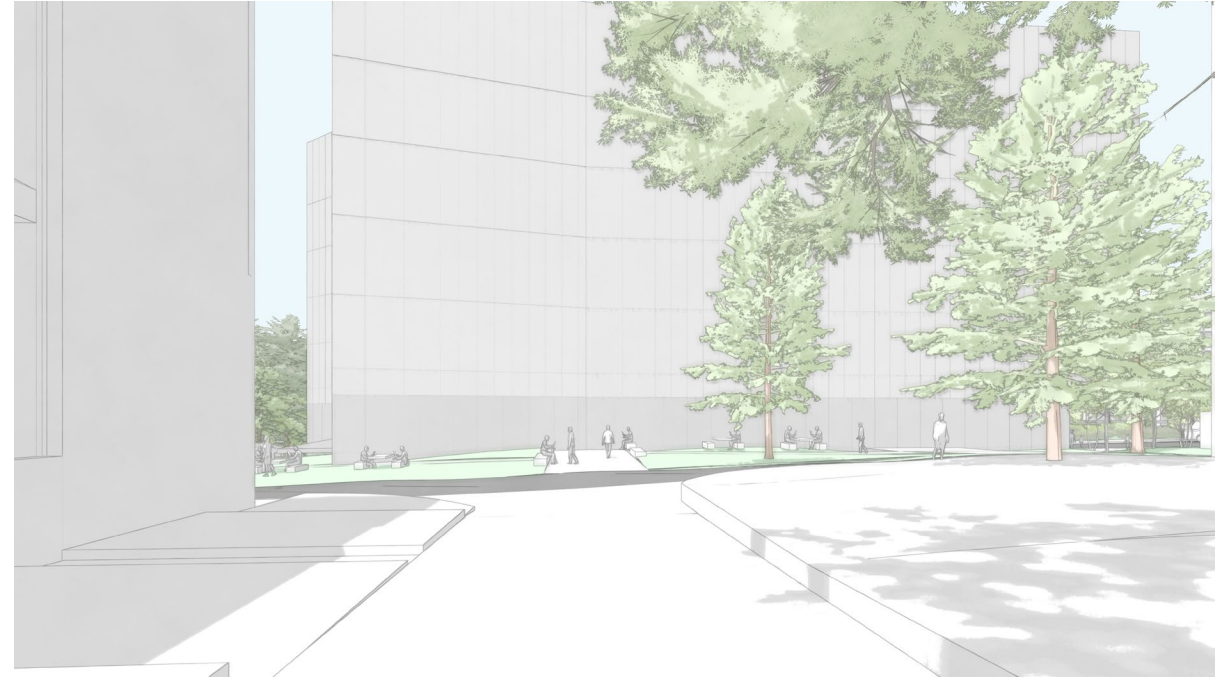
42-foot separation distance



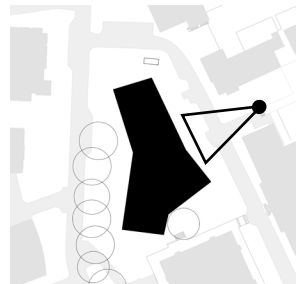
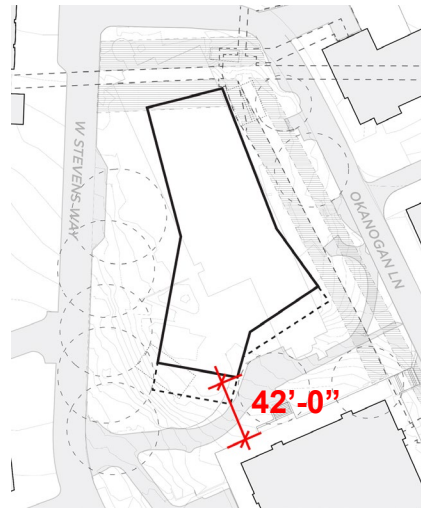
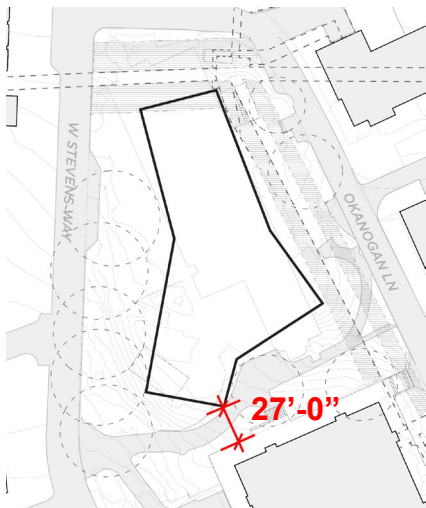
CURRENT STUDIES | DISTANCE FROM BENSON



27-foot separation distance



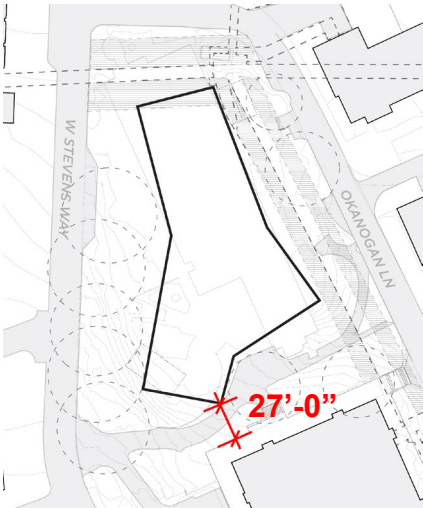
42-foot separation distance



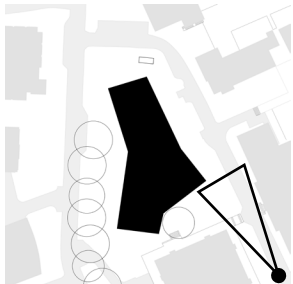
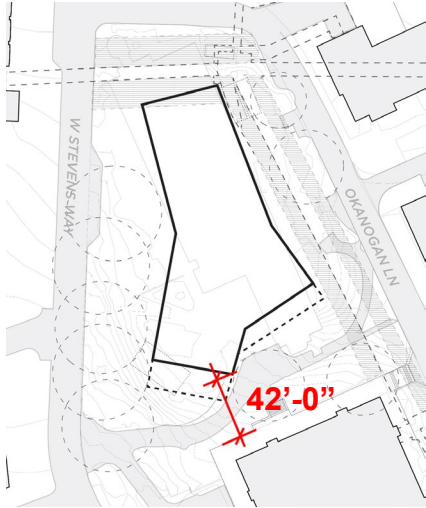
CURRENT STUDIES | DISTANCE FROM BENSON



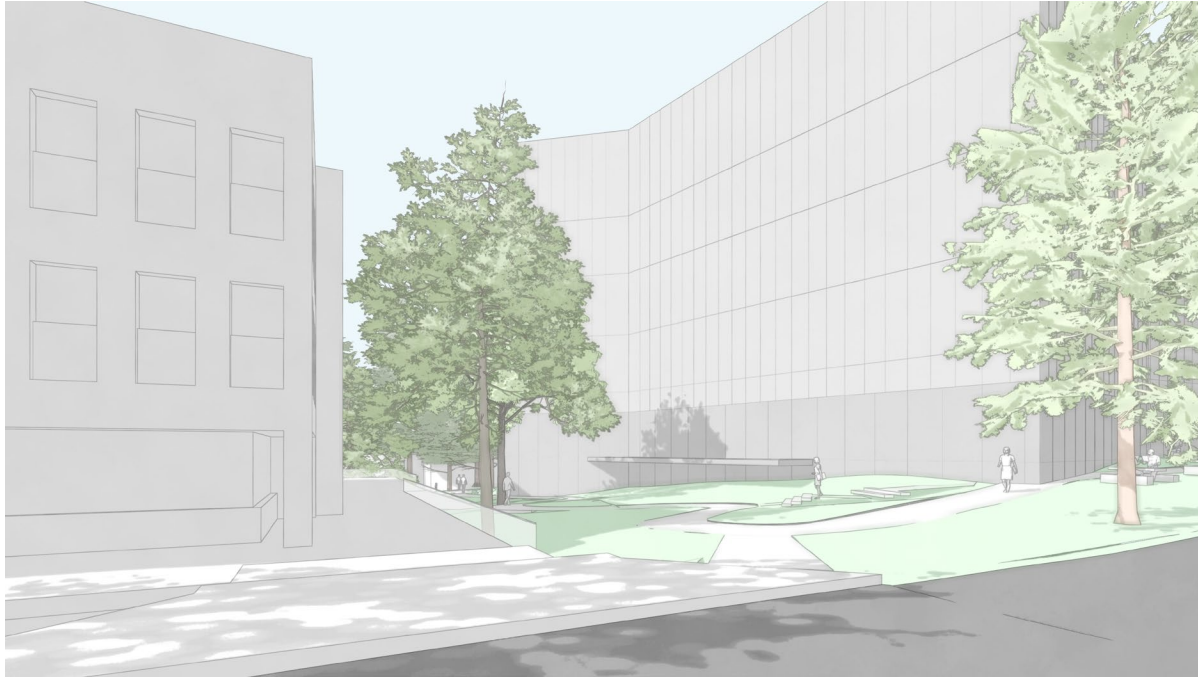
27-foot separation distance



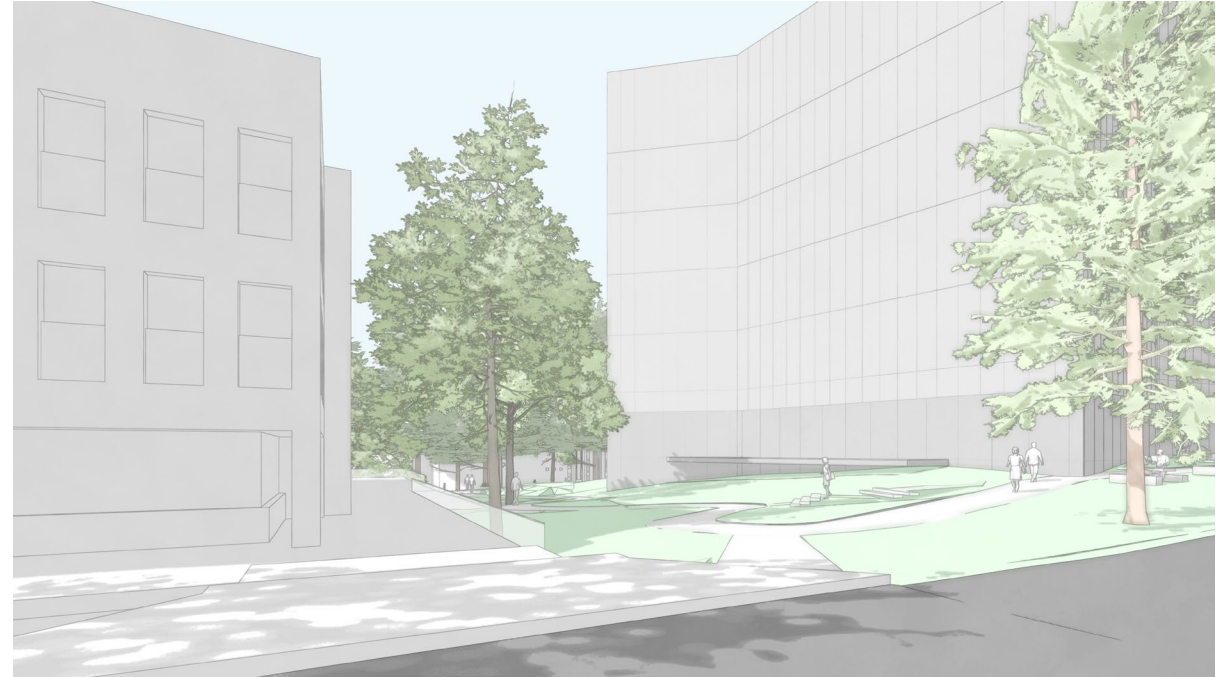
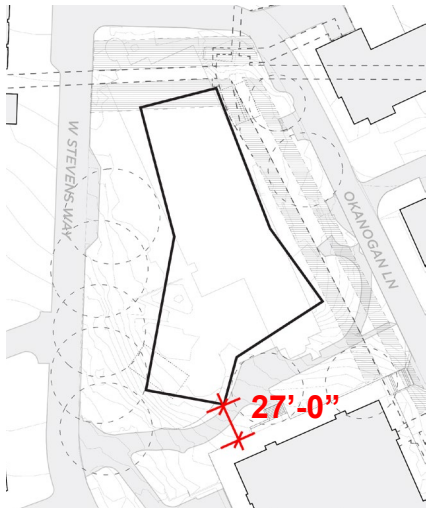
42-foot separation distance



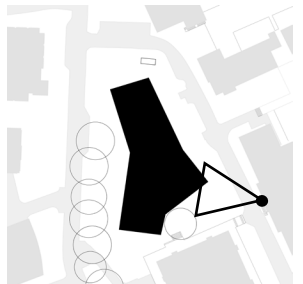
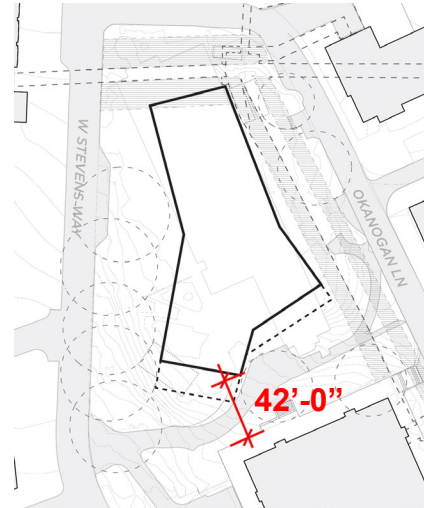
CURRENT STUDIES | DISTANCE FROM BENSON



27-foot separation distance

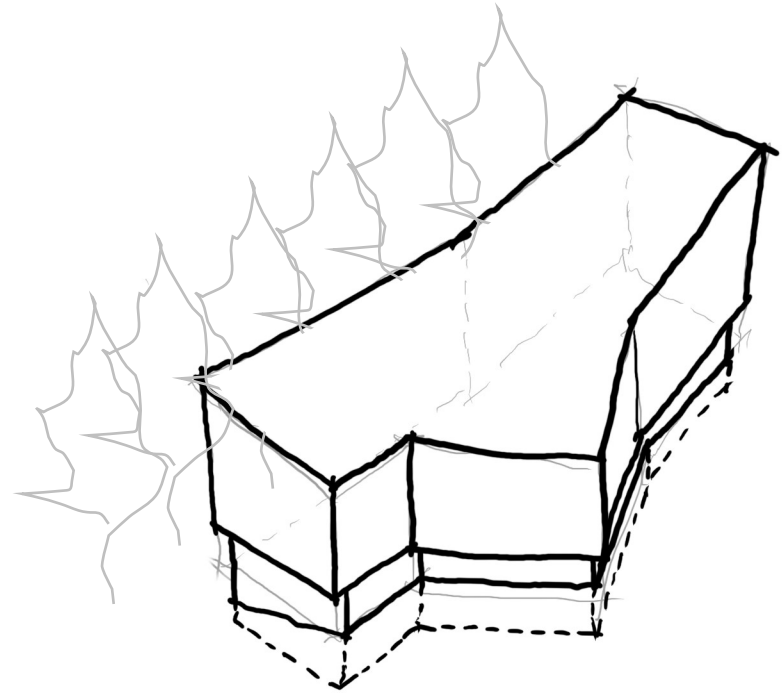
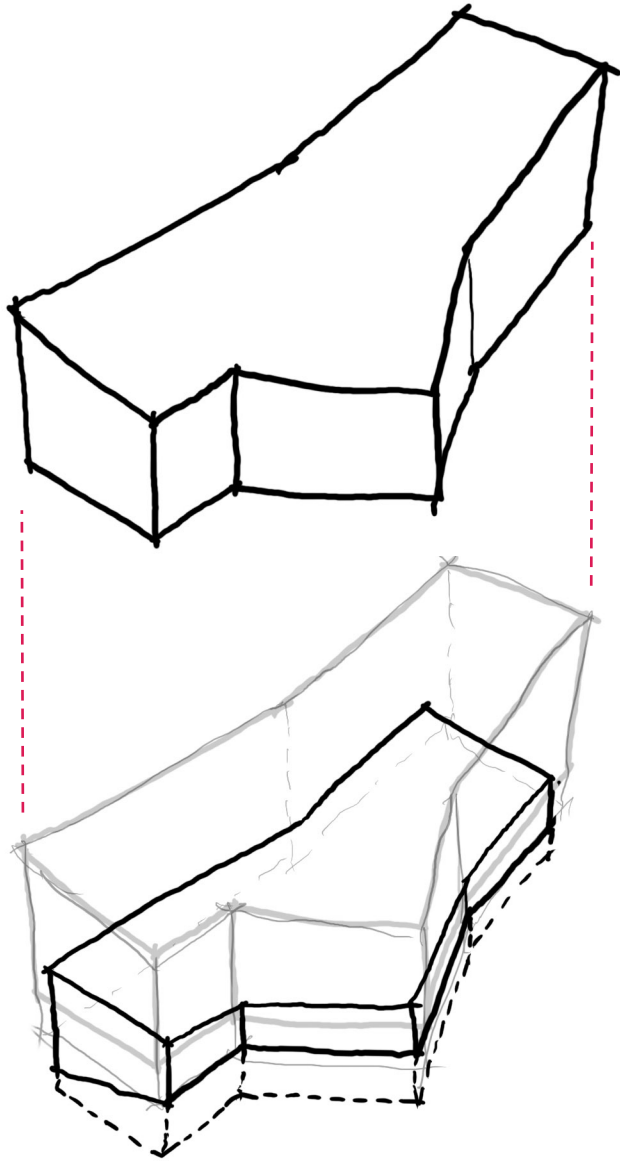


42-foot separation distance

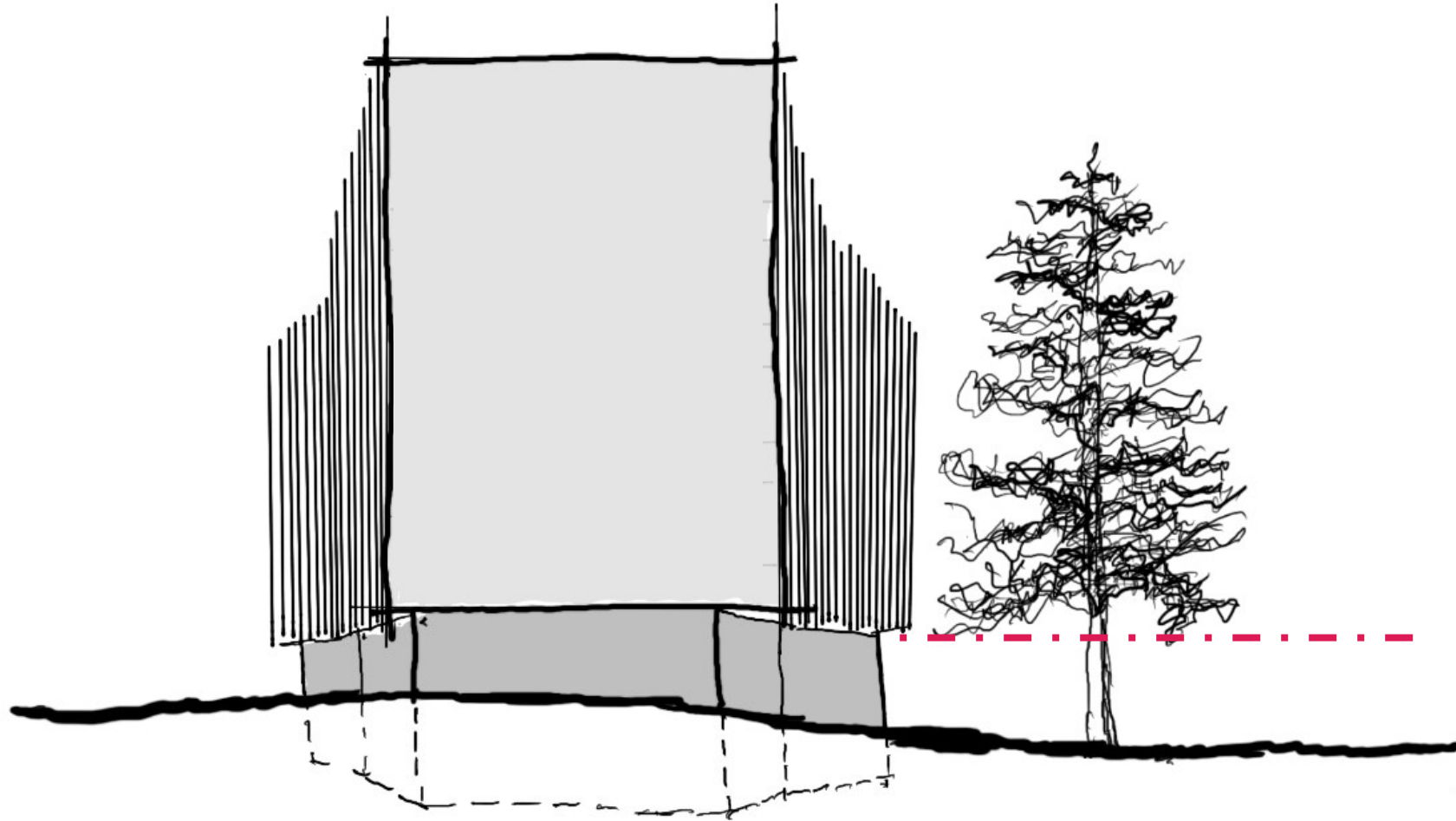


Exterior Expression

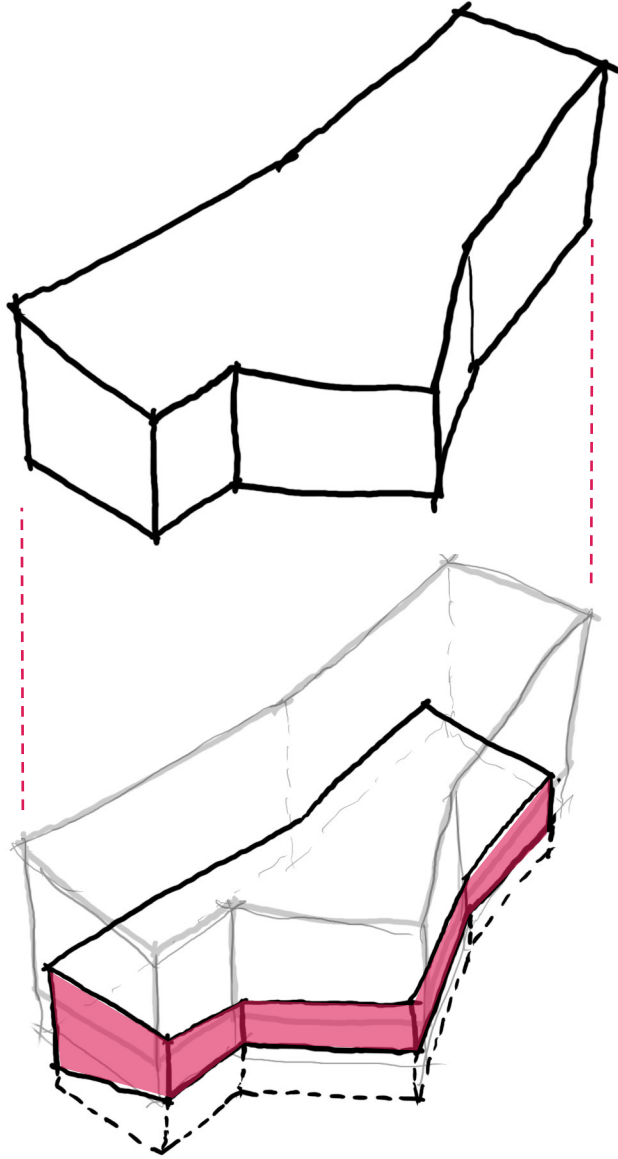
EXPRESSION | OVER-UNDER



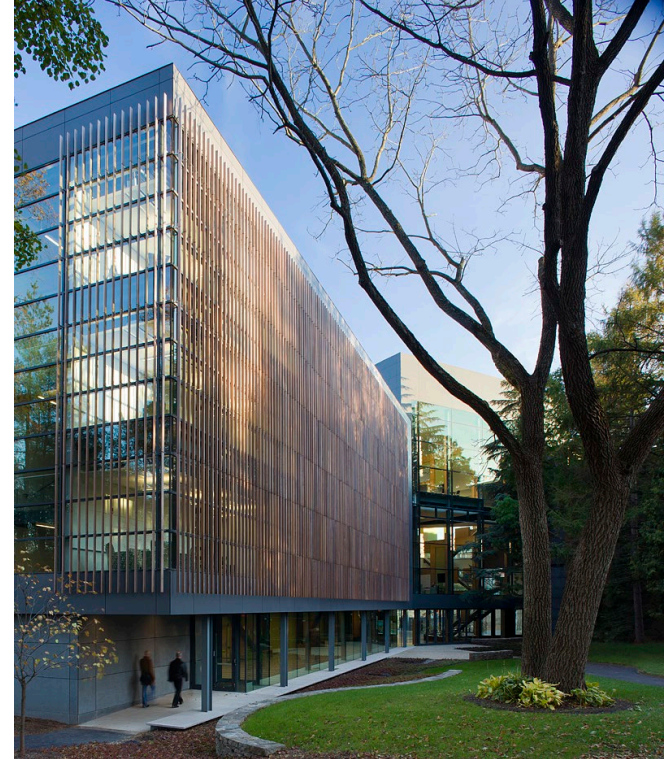
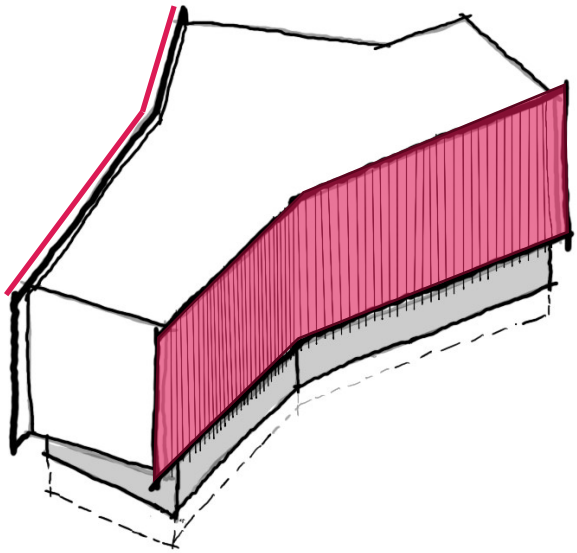
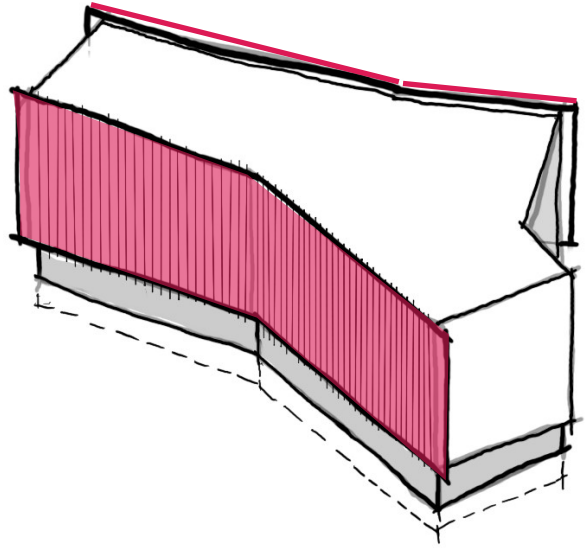
EXPRESSION | TREE CANOPY DATUM



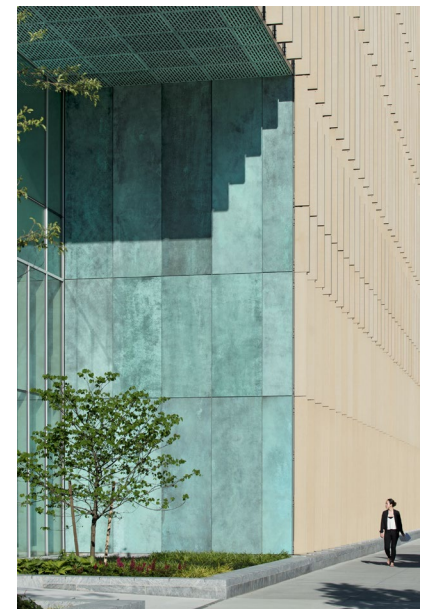
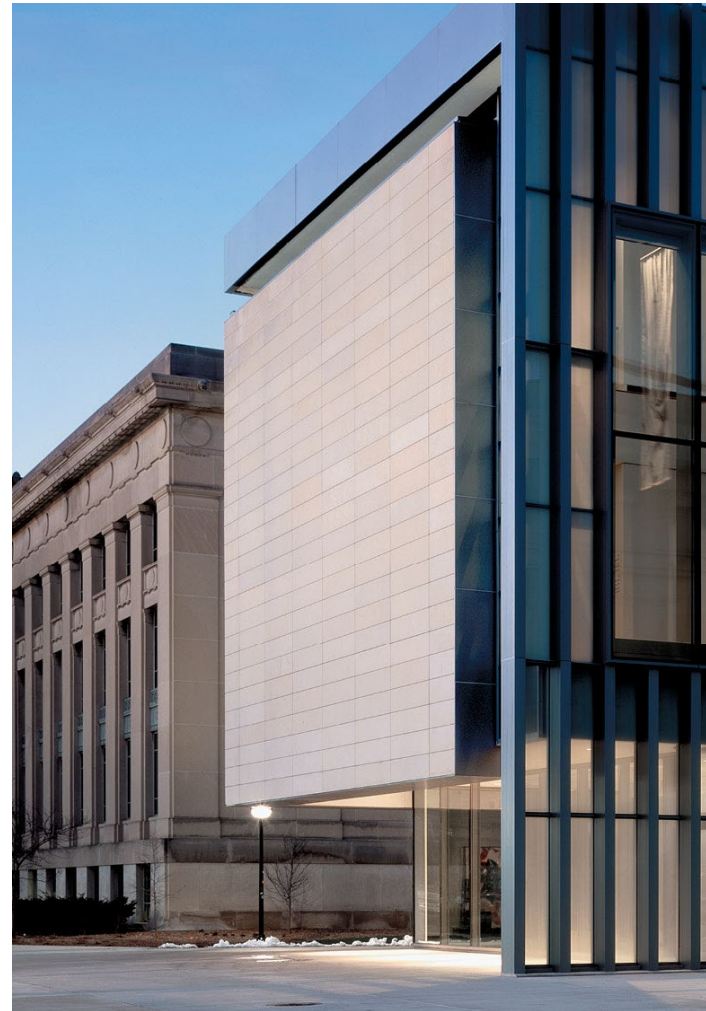
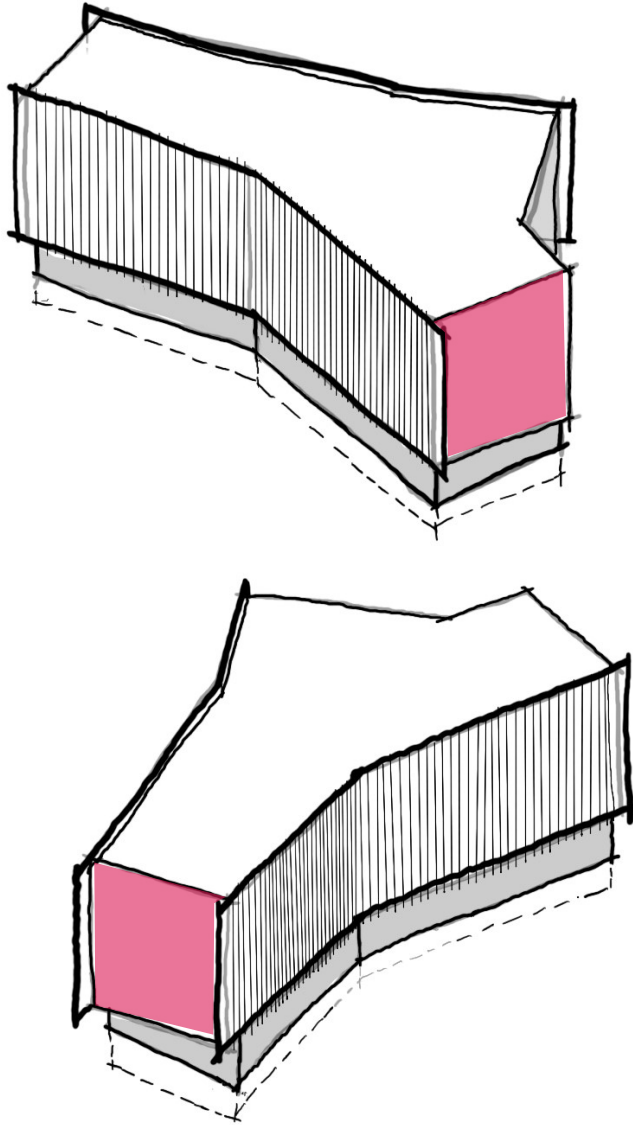
EXPRESSION | BASE



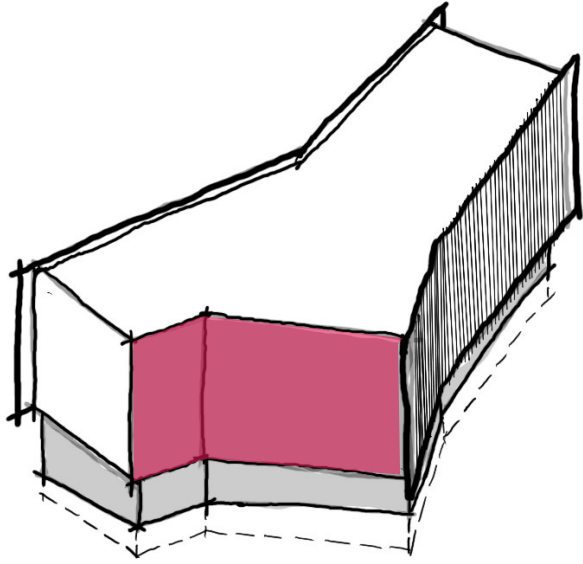
EXPRESSION | LONG SIDES



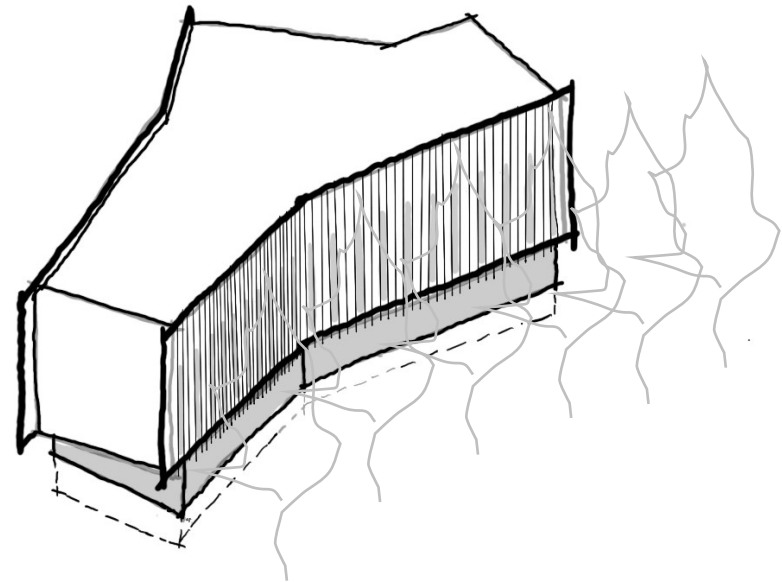
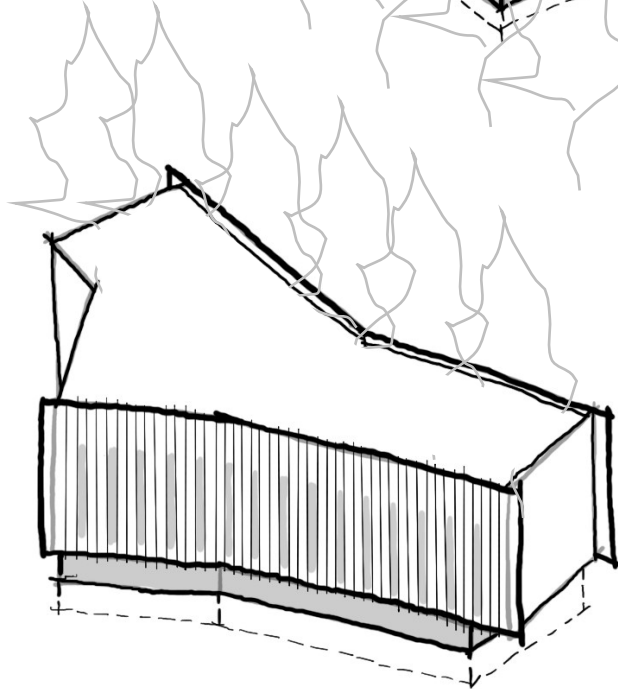
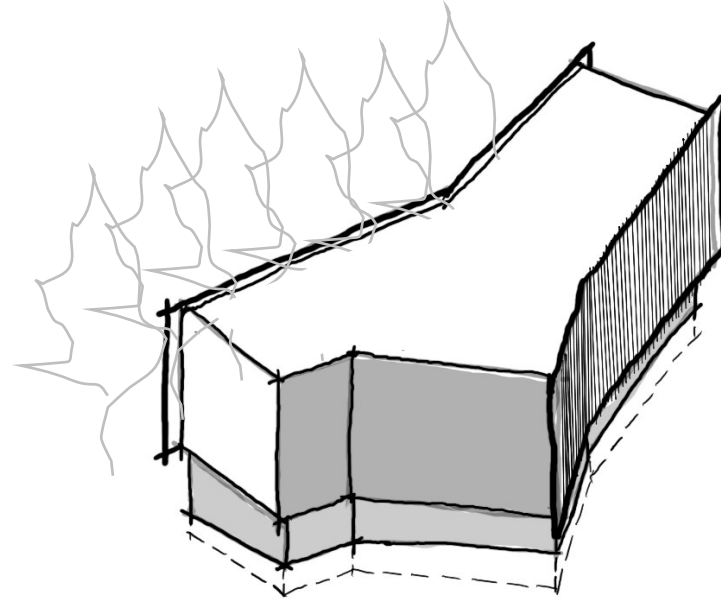
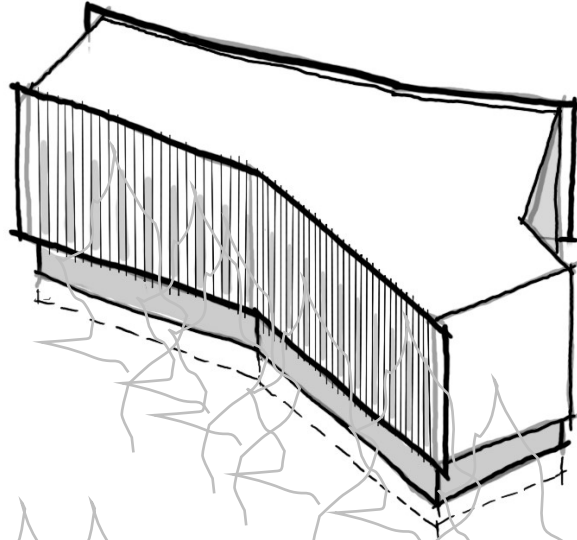
EXPRESSION | ENDS



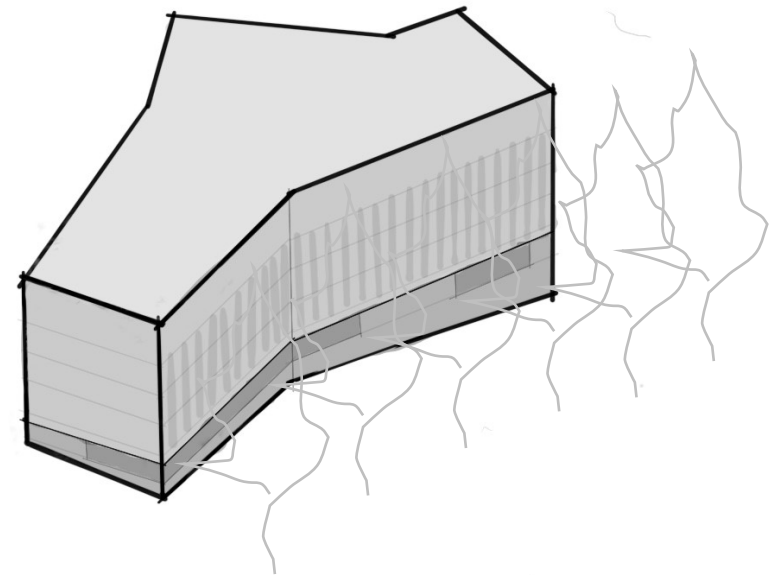
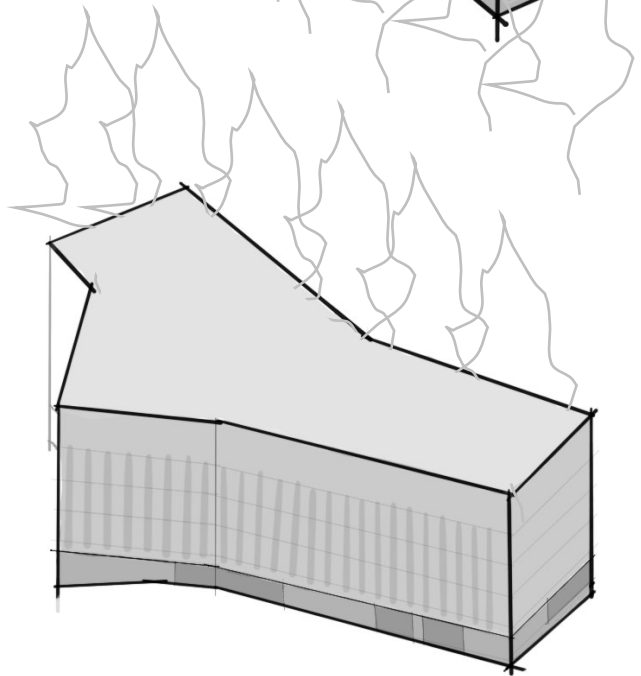
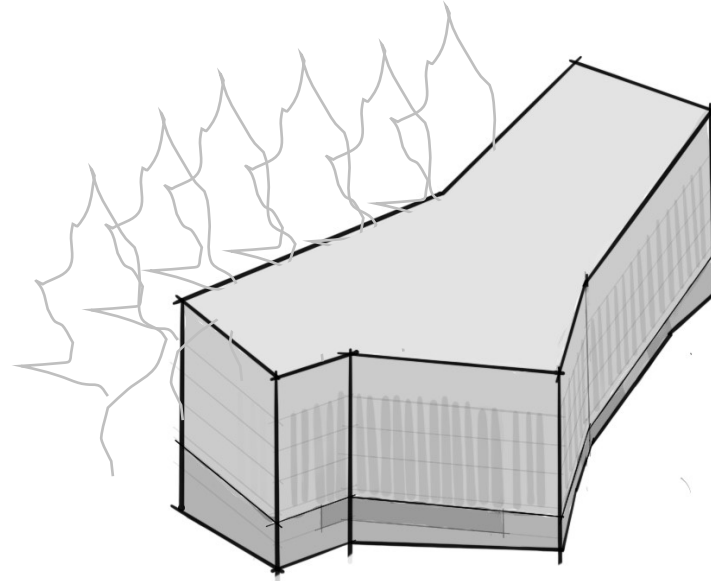
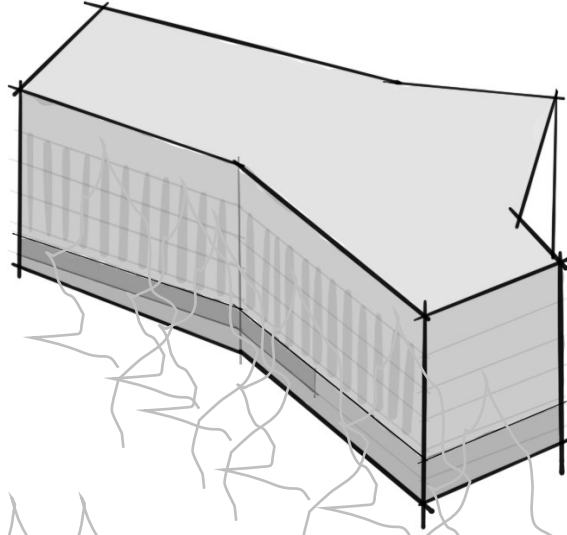
EXPRESSION | PORTAL



EXPRESSION | SIDES & ENDS



EXPRESSION | MONOLITH



End