

UNIVERSITY *of* WASHINGTON

206874

Chemical Sciences Building Project Introduction

CUCAC Meeting
November 12, 2025





Presentation Agenda

1. Introductions
2. Project Overview
3. Development Site
4. Site Approach
5. Space Program
6. What's Next

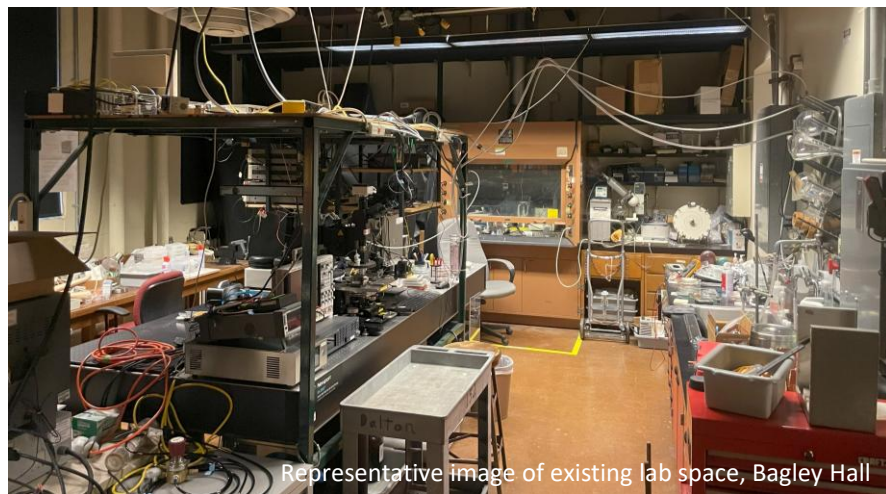
2. Project Overview



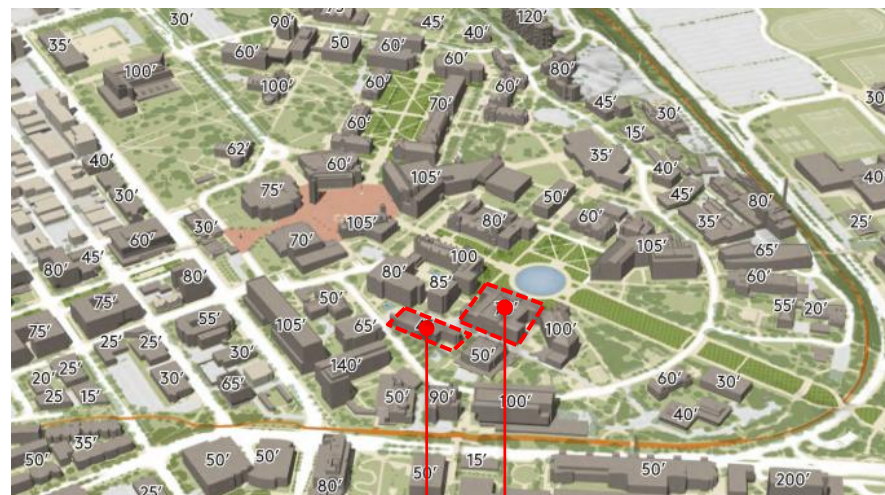
Problem Statement

UW's Chemistry Department faces limitations due to aging facilities that cannot keep pace with the demands of modern scientific practice.

Bagley Hall (1937) + Chemistry Library (1957) do not meet requirements for cutting-edge research in the chemical sciences limiting new discoveries and training opportunities for students.



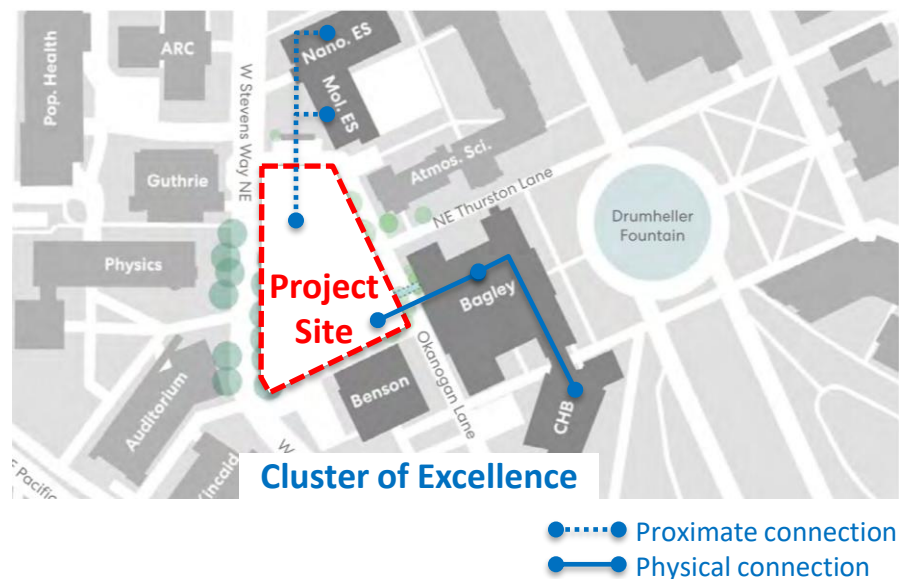
Representative image of existing lab space, Bagley Hall



Chemistry Library

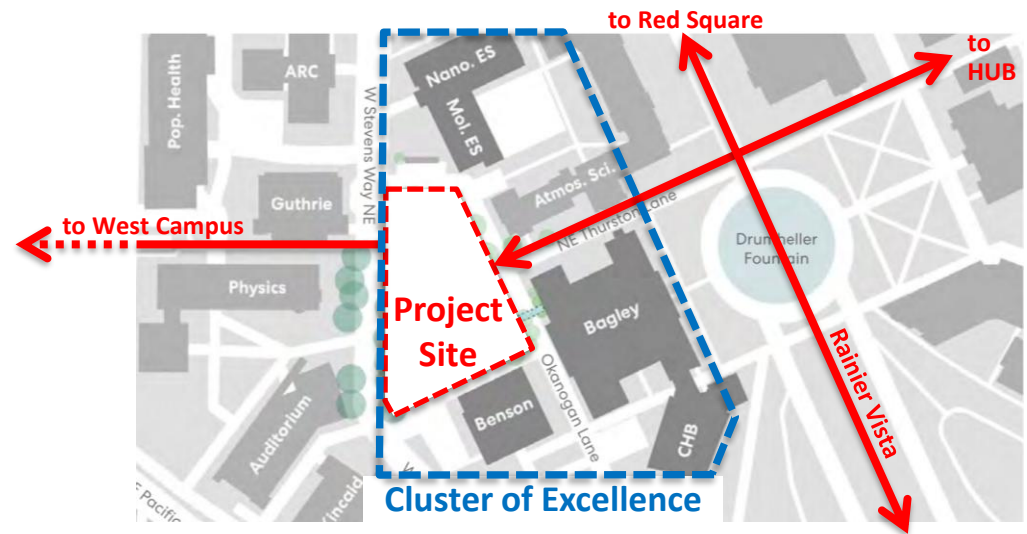
Bagley Hall

Project Scope



- The new Chemical Sciences Building will replace the Chemistry Library Building
- Enable a new mode of science where fundamental chemical research can transform into real-world applications in real time.
- Provide unique opportunities for education and discovery for undergraduate and graduate students in interdisciplinary chemical sciences research.
- Enhance recruitment of faculty and graduate students.
- Requires proximity to the existing Chemistry Building (CHB) and Bagley Hall with nearby interdisciplinary research centers such as MoIES and NanoES.

Campus Integration



Preserve and Strengthen the Historic Core

Respect and integrate with the collegiate character of Central Campus' historic core.

Create Connections

Create, clarify and amplify legible connections and Universal Access between Rainier Vista and Drumheller Fountain with Stevens Way, South Campus, and West Campus

Prioritize a Campus-First Design

Design the building and site to prioritize the pedestrian experience. Maximize pedestrian arrival and campus experience thoughtfully locating/minimizing vehicular access and service.

Embody Pacific Northwest Character

Amplify the lush, evergreen, Pacific Northwest character that draws people to our region and the UW. Facilitate the unique place-specific relationships between people, plants, animals, insects, and other organisms.

Lead on Sustainability including use of long-term sustainability strategies and infrastructure investments

Cluster of Excellence create a chemical science cluster of excellence and interdisciplinary research

Project Goals



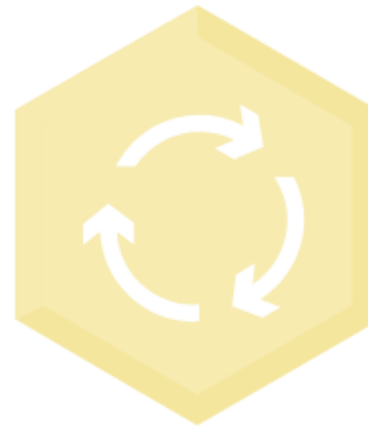
[grow & retain]

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.

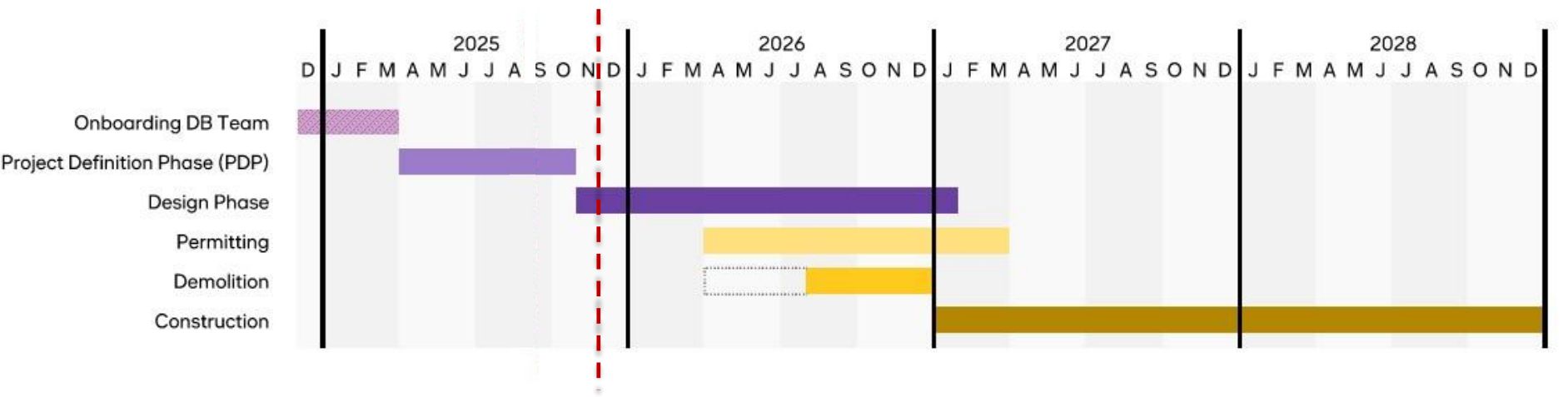
Existing Chemistry Department



Design-Build Delivery Model



Draft Overall Schedule



3. Development Site



Campus Master Plan – Central Campus

Central Campus

Central Campus is a hub of learning activity and knowledge sharing, and accommodates many academic and research facilities. Central Campus is home to the culturally significant academic core and is characterized by significant open spaces framed by a mix of historic and new buildings. The long-term vision for Central Campus:

- Significant Pedestrian Path
- Significant Open Space
- Active Ground Floor
- Existing Building
- Potential Building
- Gateway



Figure 4. Central Campus. Graphics are for Illustrative Purposes Only

Illustrative Plan Long-Term Vision

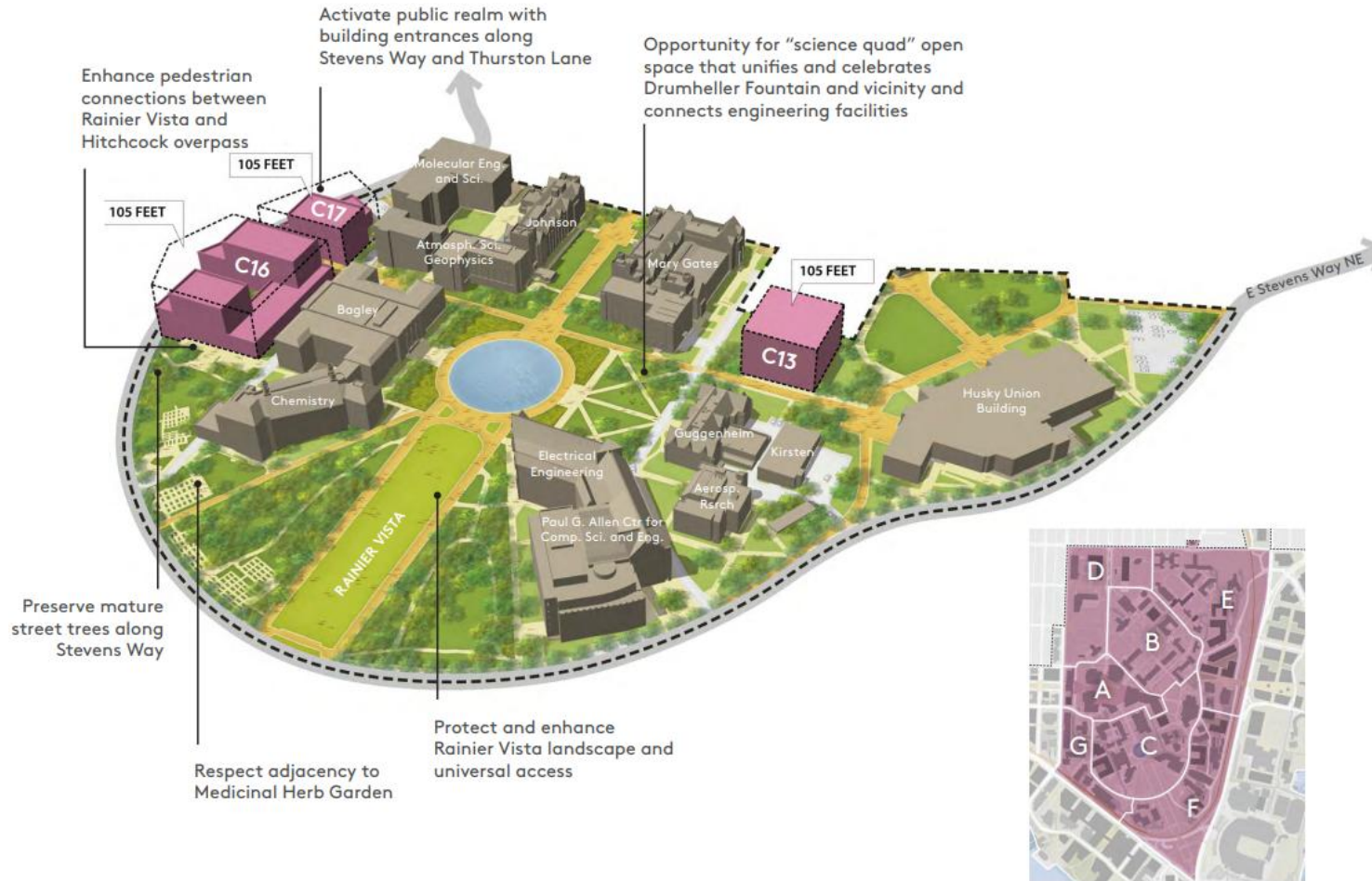
Figure 112. Graphics are for
Illustrative Purposes Only



Proposed Development Site

DEVELOPMENT ZONE C

Figure 132. Graphics are for Illustrative Purposes Only



* Parking spaces evenly split among the development sites

** Gross square feet are accounted for within the 2003 Campus Master Plan

*** Total incorporates gross square feet that are already accounted for under the 2003 CMP related to sites C5 and C6

****Please reference Appendix for specific names of buildings and year constructed associated with demolished area

***** Growth Allowance refers to Net New Gross Square Feet column

Table 14. Central Campus Development Sites Spreadsheet

SITE ID	SITE NAME	TOTAL ENVELOPE GROSS SQUARE FEET	TOTAL MAXIMUM GROSS SQUARE FEET	PERCENT OF ENVELOPE	DEMO GROSS SQUARE FEET****	NET NEW GROSS SQUARE FEET*****	APPROX# OF FLOORS	MAXIMUM BLDG HT LIMIT	CONDITIONED DOWN BUILDING HEIGHTS	EXISTING PARKING SPACES	ACADEMIC USES
C1	West of Memorial Way / N1 Parking Lot	290,000	200,000	69%	68,916	131,084	7	105		213	A/MU/T
C2	East of Memorial Way / N5 Parking Lot	265,000	135,000	51%		135,000	5	105	70	170	A/MU/T
C3	Mackenzie Replacement / N3 Parking Lot	165,000	145,000	88%	43,099	101,901	7	105		9	A/MU
C4	Intellectual House Phase 2	40,000	5,000	13%		5,000	1	105			A/MU
C5	North Campus Housing 1 (Building A)**/***	170,000	110,000	65%		110,000	5	105			A/H
C6	North Campus Housing 2 (Building E) / Haggett Hall Site / N9, 10, 11 Parking Lots **/****	535,000	290,000	54%	206,114	83,886	6	160		77	A/H
C7	McMahon Hall Site / N13, 14, 15 Parking Lots	600,000	400,000	67%	288,352	111,648	11	160		177	A/MU/H/T
C8	Padelford Garage North Site / N16, 18, 20, 21*	315,000	245,000	78%	138,555	106,445	8	105		217*	A/MU/T
C9	Padelford Hall South Site*	185,000	155,000	84%		155,000	8	105		217*	A/MU/T
C10	Padelford Garage South Site*	230,000	145,000	63%		145,000	7	105		218*	A/MU/T
C11	Facility Services Admin Bldg / University Facilities Bldg and Annex 1	120,000	85,000	71%	20,125	64,875	7	105			A/MU/T
C12	Plant Op Annexes 2-6 / University Facilities Annex 2 / C23 Parking Lot	230,000	115,000	50%	18,860	96,140	6	105		1	A/MU/T
C13	Sieg Hall Replacement	145,000	130,000	90%	57,180	72,820	7	105			A/MU
C14	Mechanical Eng / Eng Annex / C15 Parking Lot	300,000	215,000	72%	125,896	89,104	8	105		23	A/MU
C15	Wilcox / Wilson Ceramics Lab Site / Wilson Annex	90,000	60,000	67%	50,328	9,672	4	65		56	A/MU
C16	Benson Hall / C7 Parking Lot	320,000	210,000	66%	76,271	133,729	7	105		11	A/MU
C17	Chem Library Site	130,000	85,000	65%	39,363	45,637	7	105			A/MU
C18	South of Henry Art Gallery	70,000	35,000	50%		35,000	4	105			A/MU
TOTAL - CENTRAL***		4,200,000	2,765,000	64%	1,133,059	1,631,941				1,389	

Academic General Uses: A - Academic; H - Housing; MU - Mixed Use; T - Transportation; OS - Open Space; IP - Industry Partnership/Manufacturing; ACC - Academic Conference Center

"Maximum Building Height Limit" refers to the height limit allowed under the MIO zoning height.

Proposed Development Parcels

Chemical Sciences Building Project	GSF
CMP Site C17 Total Max. GSF	85,000
Chemistry Library Demolition	- 39,363
Net New GSF from CMP Site C17	45,637
GSF from CMP Site C16	~24,000
Total CSB Project GSF	~109,000

Transfer of Development Capacity (CMP – Built Environment Framework)

The growth allowance may be moved between development sites and between sectors as outlined on page 232 of Development Standards chapter. Gross square footage may be moved within a campus sector. Any new gross square footage added to a structure or proposed project must be accompanied by a decrease in gross square footage elsewhere within the sector.

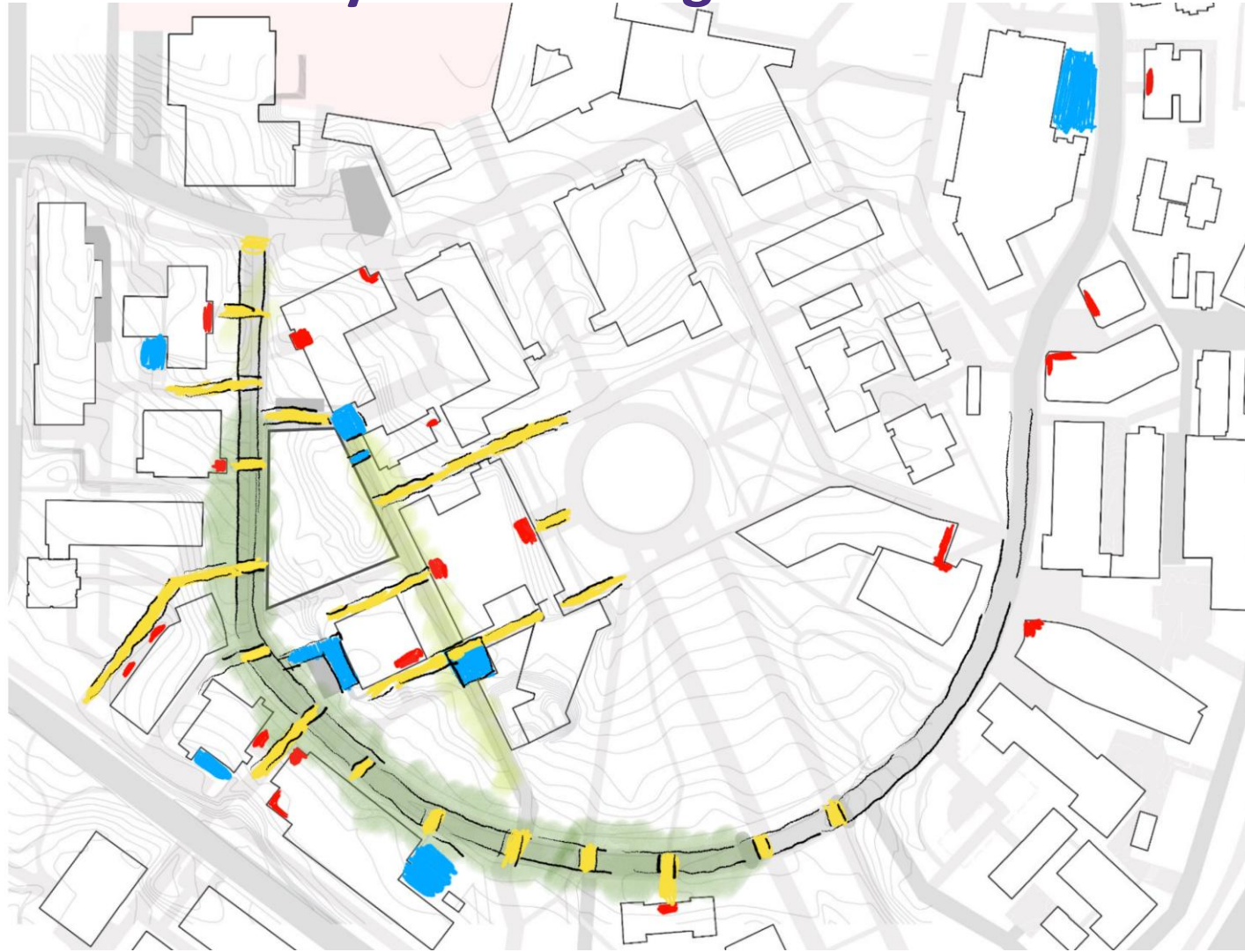
4. Site Approach





Character of Stevens Way and Okanogan Lane

-  PEDESTRIAN CROSSING
-  BUILDING ENTRY
-  LOADING DOCK

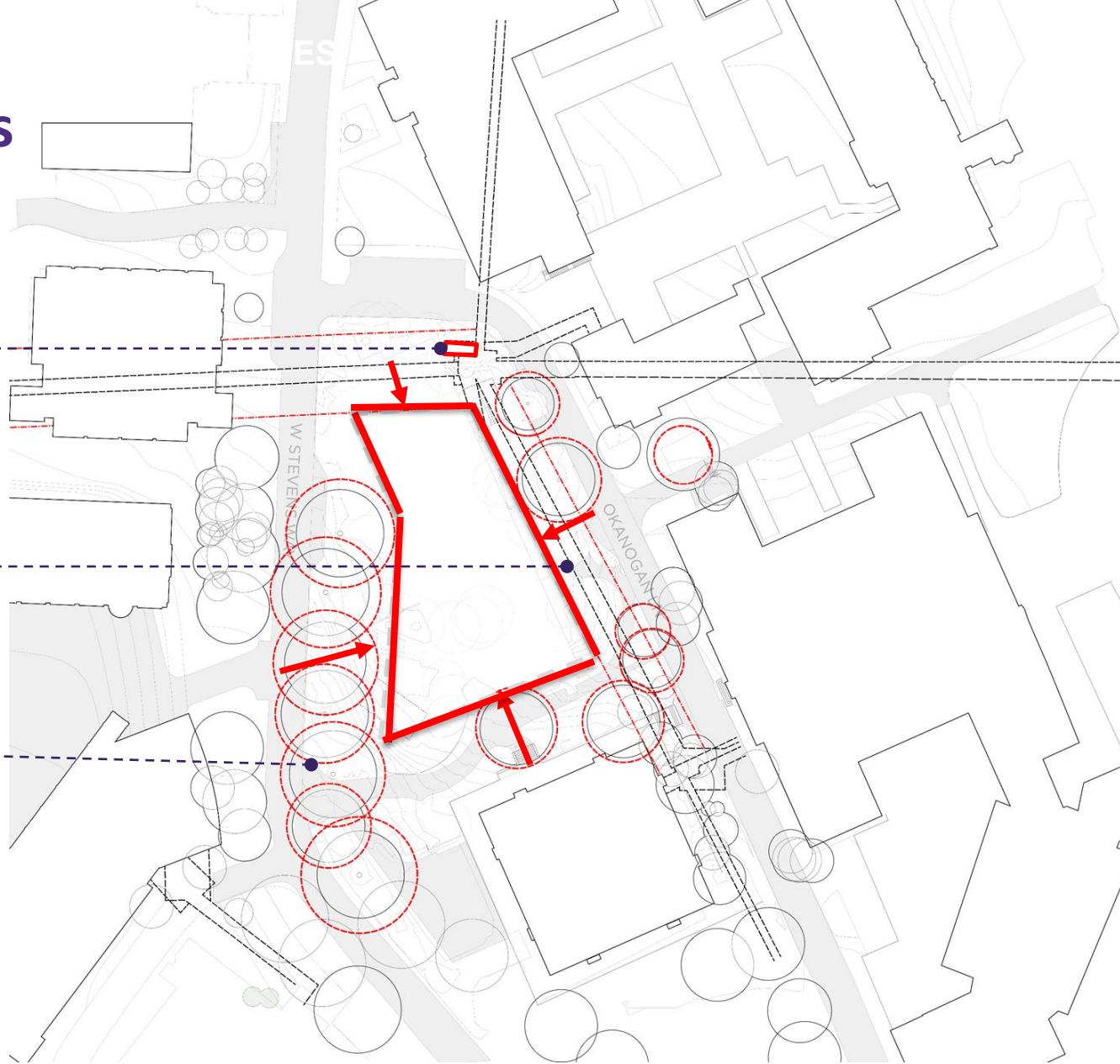


Site Constraints

SWITCHGEAR

TUNNEL OFFSET
REQUIRING DEEP
FOUNDATIONS

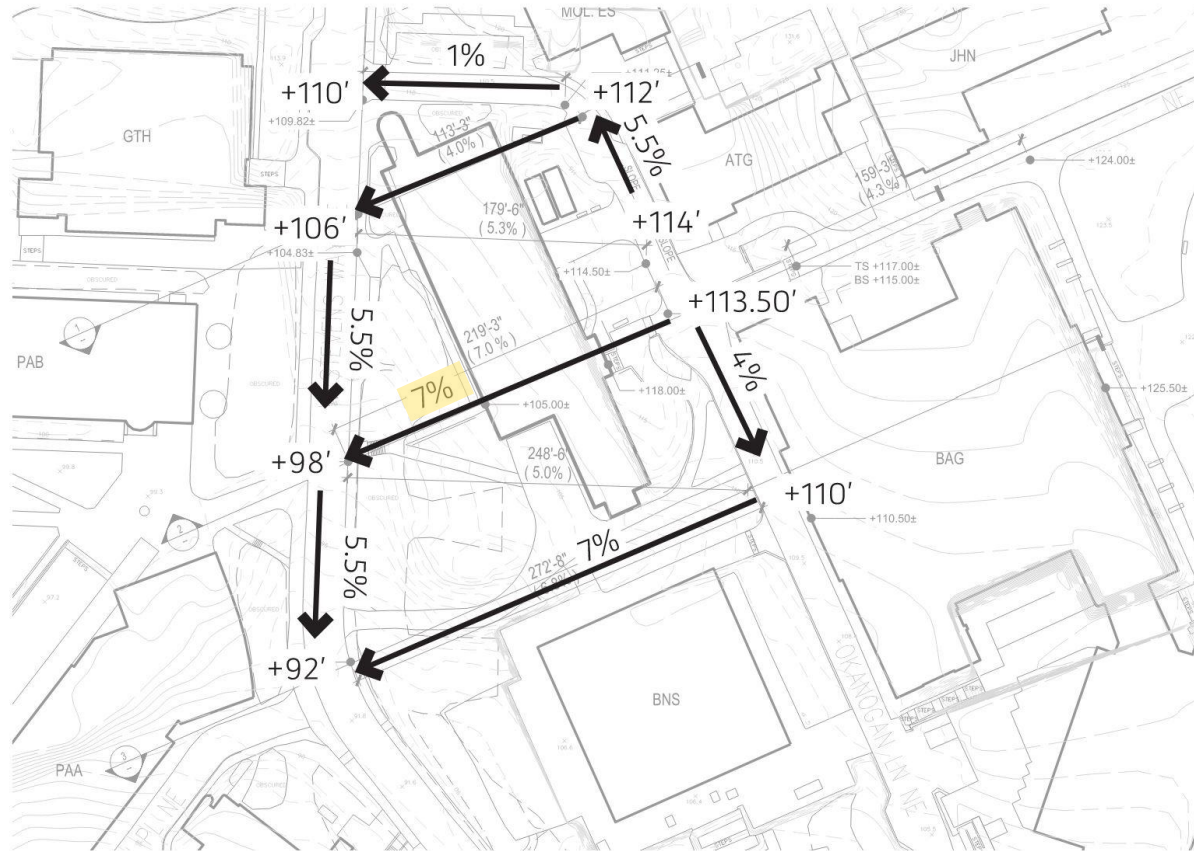
TREES INTENDED
TO REMAIN



Site Topography

- 15 feet of grade change from Okanogan Lane to Stevens Way at the center of the site.

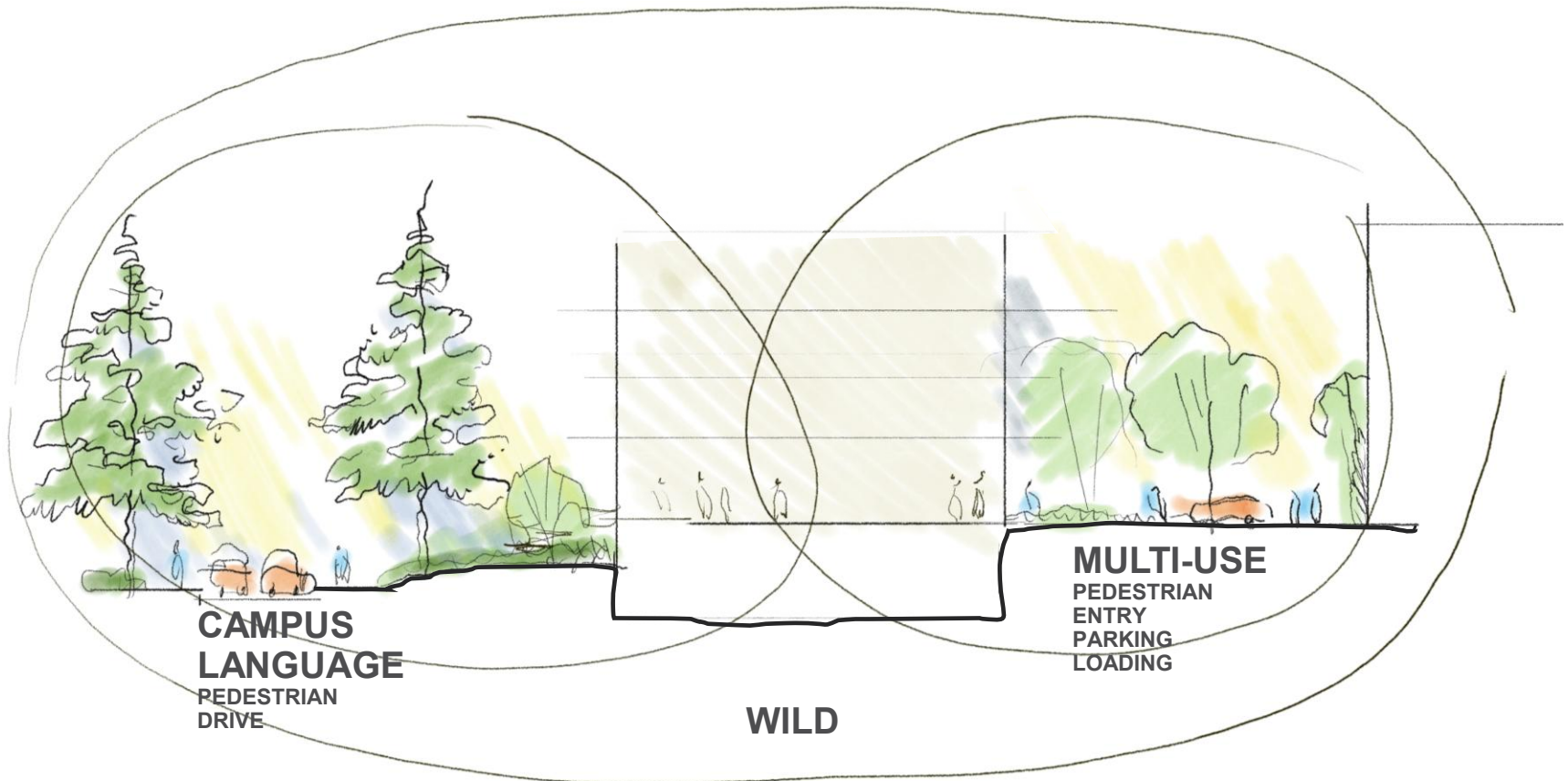
- Slope along this axis is approximately 7%



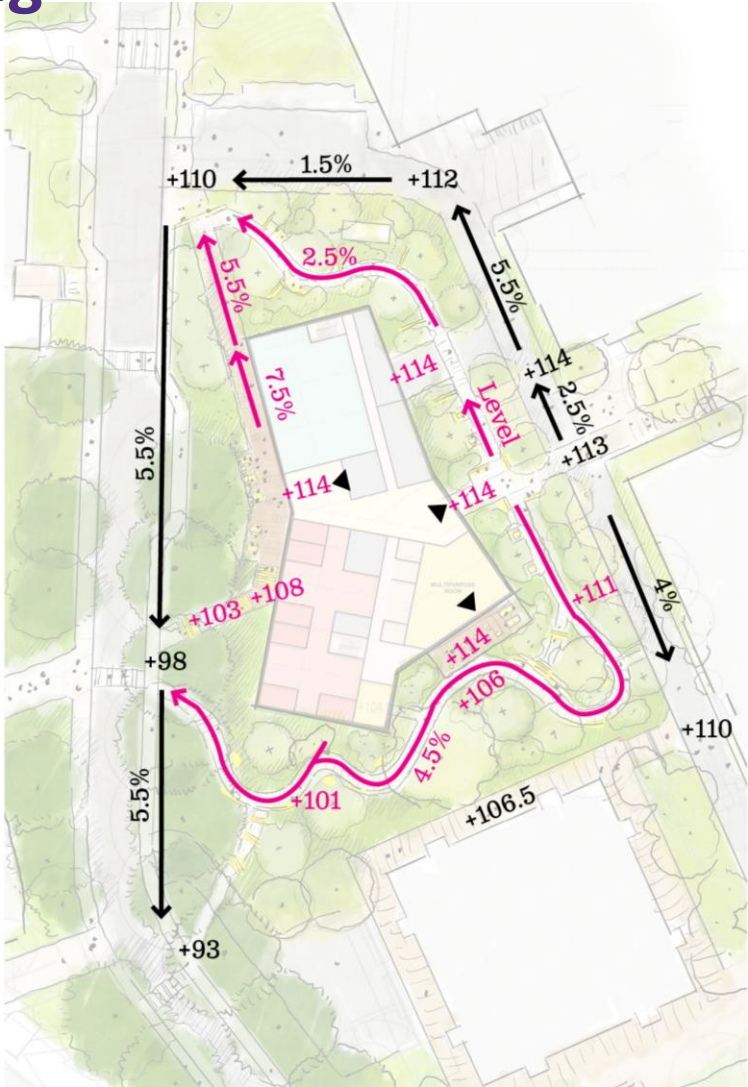
Site Plan - Conceptual



Site Section - Conceptual



Site Grading



Level 1 – Active Learning Classroom - Conceptual



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



Level 1 – Potential Outdoor Program - Conceptual



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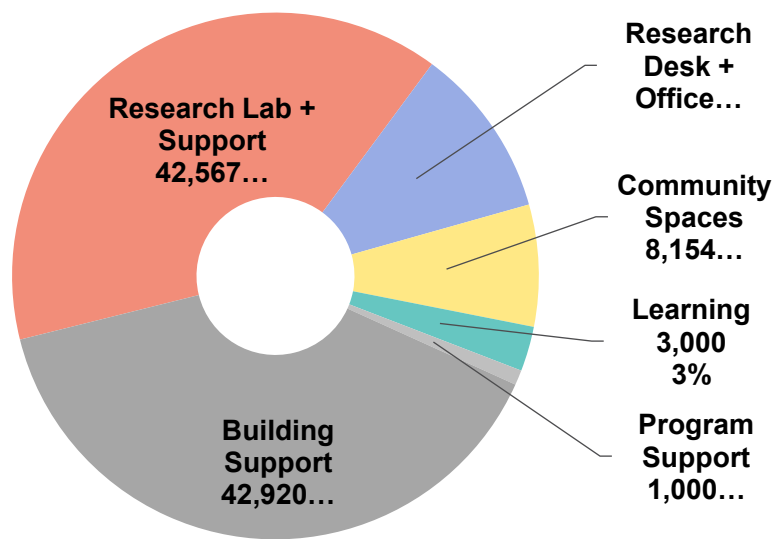
5. Space Program



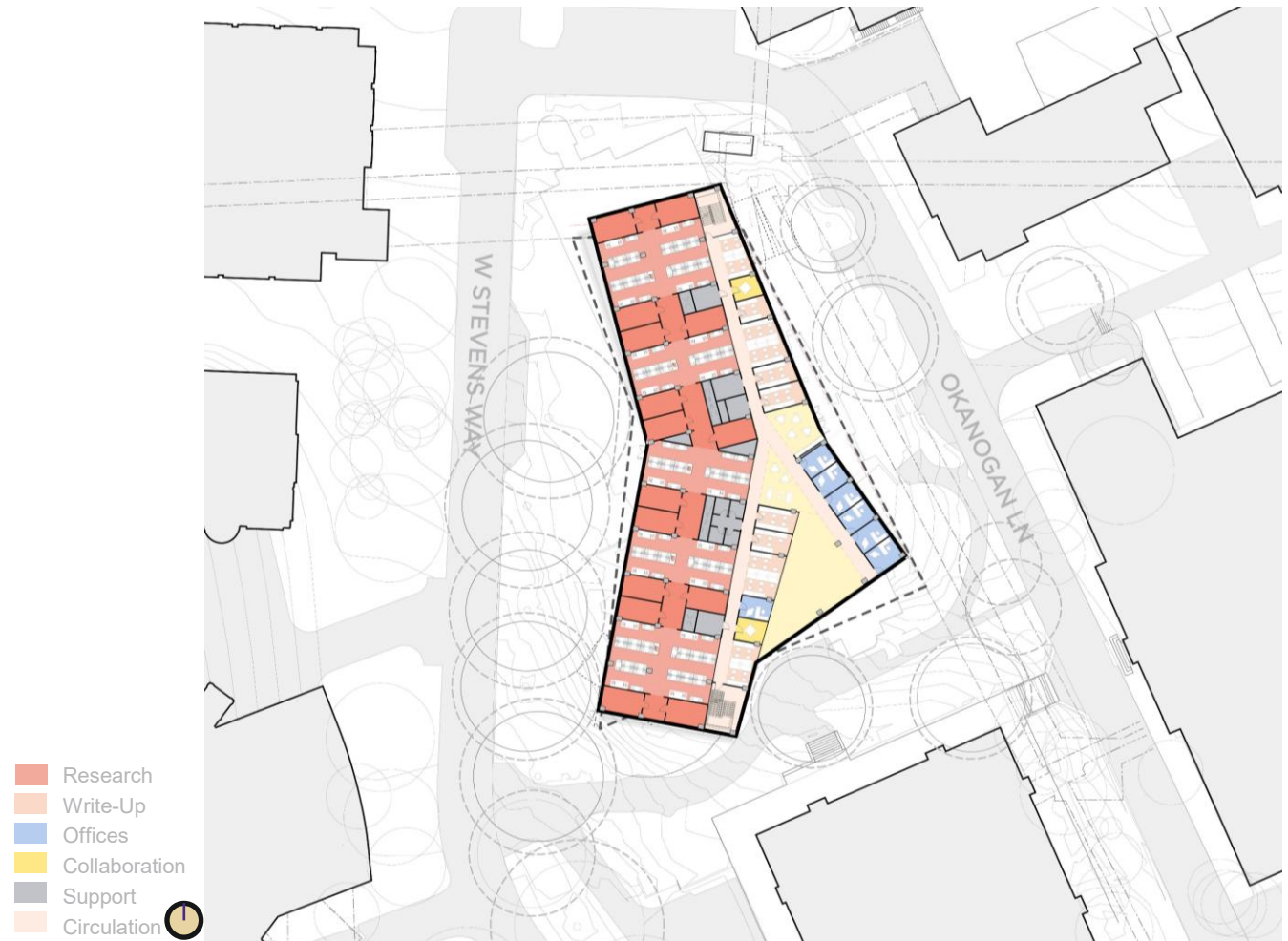
Chemistry Program

PROGRAM BREAKDOWN

NASF: 66,000



Typical Floor Plan - Conceptual



5. What's Next



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Thank You

