

**WESLEYAN UNIVERSITY**

**NEW SCIENCE BUILDING & SHANKLIN RENOVATION – DRPB APPLICATION**

May 05, 2021

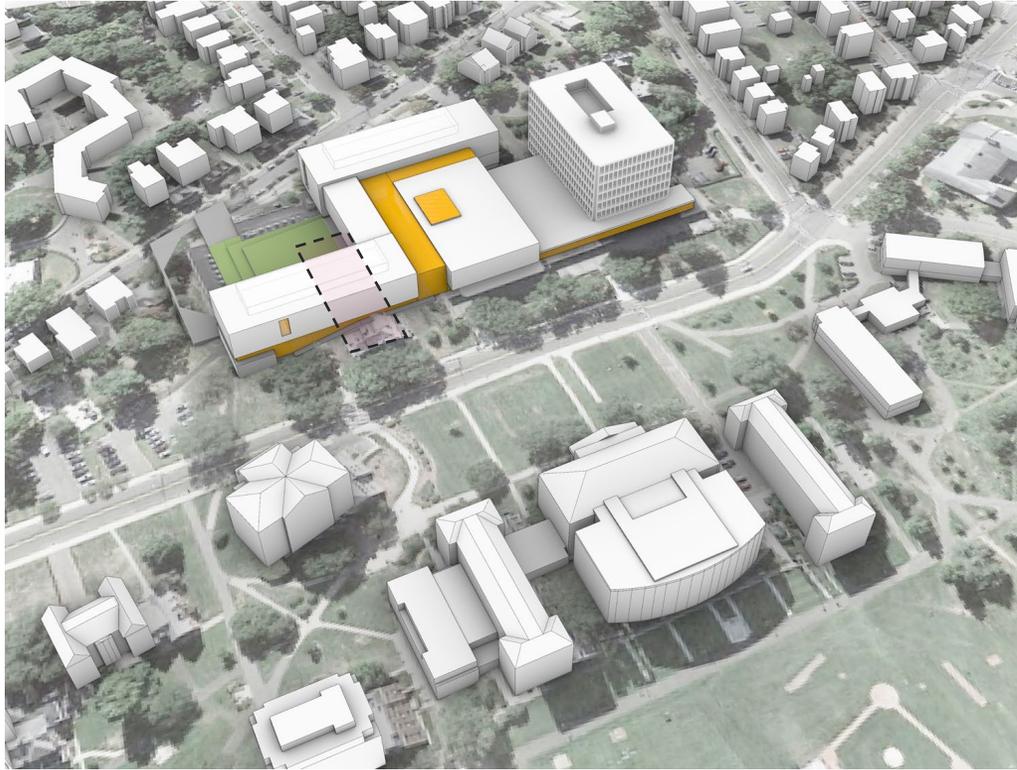
**PAYETTE**



**New Science | Site Location**



### SITE OPTION A



- A. New Science connected to Exley
- B. Shanklin demolished**
- C. Sci-Li renovation added to scope

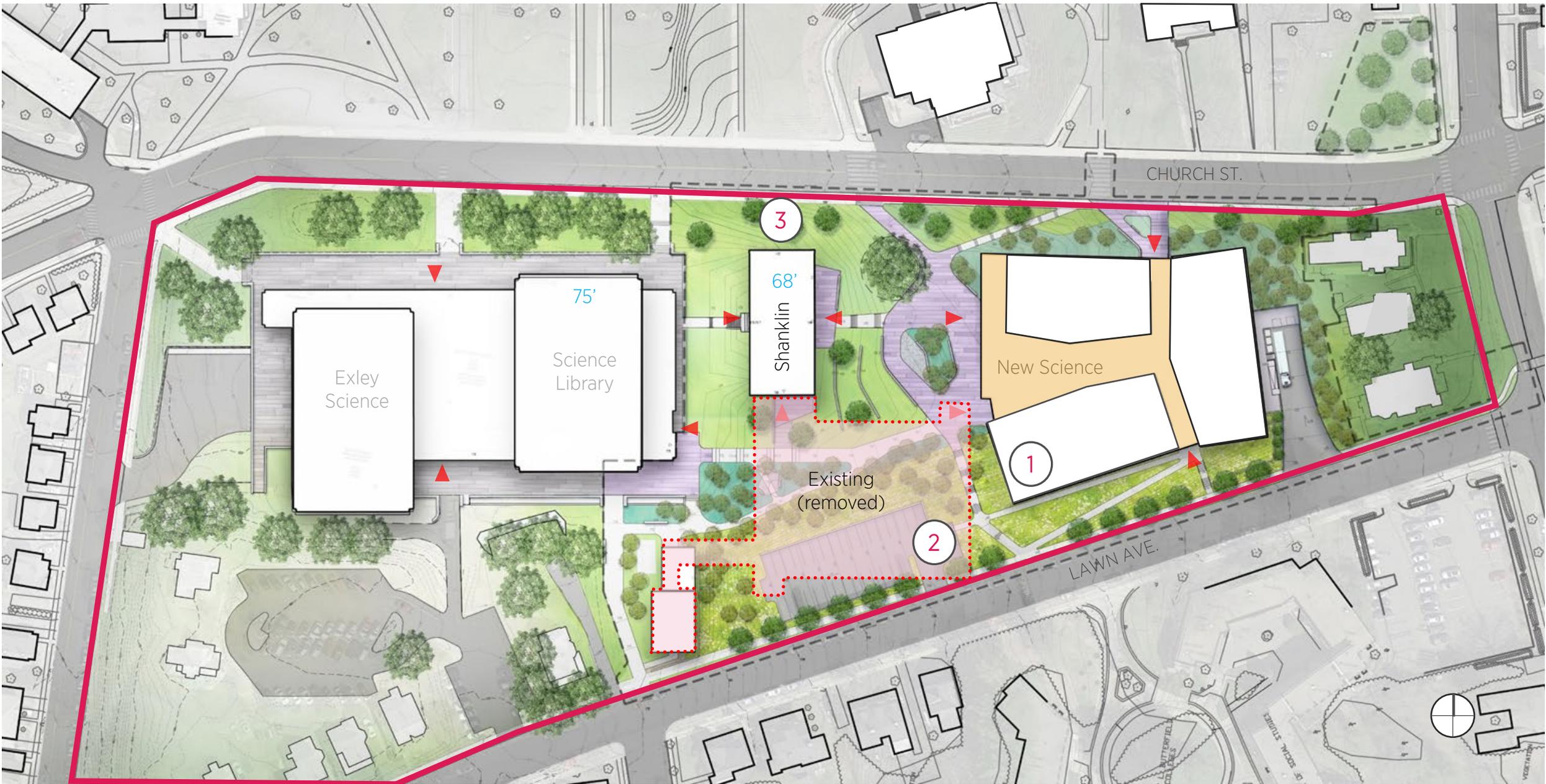
### SITE OPTION B\*



- A. New Science to East
- B. Shanklin preserved & restored**
- C. Sci-Li remains as is

\*Selected by Wesleyan

**Site Selection** | Allows Shanklin to be Preserves & Revived



**Site Concept | Connected Science Precinct**

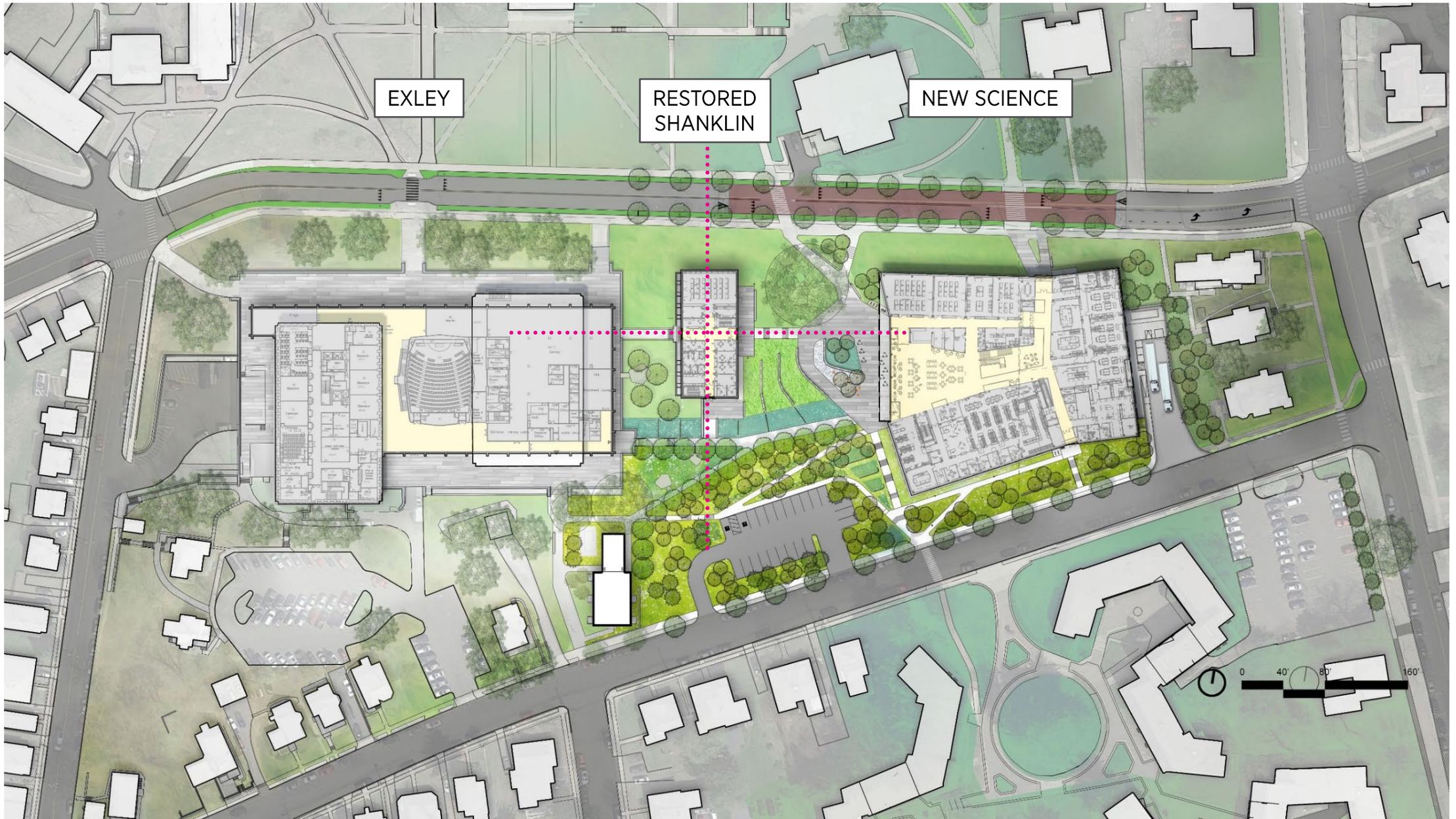
RESTORED  
SHANKLIN

NEW SCIENCE

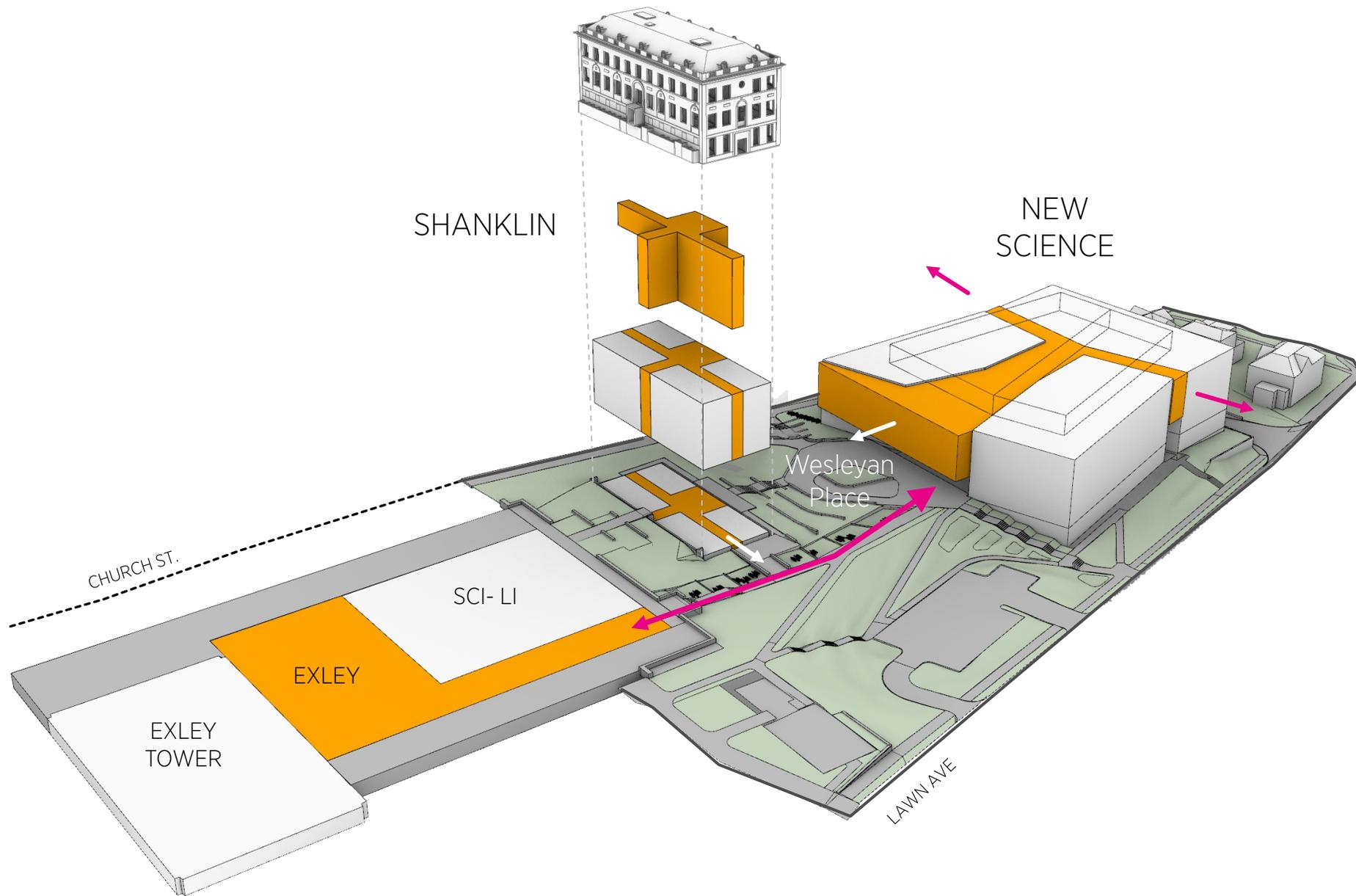


**New Science Precinct | Rooted in Wesleyan context**





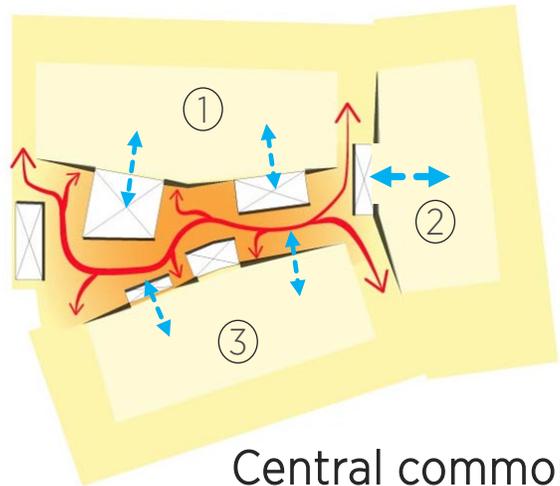
**Shanklin** | Pivotal Role for New Science Precinct



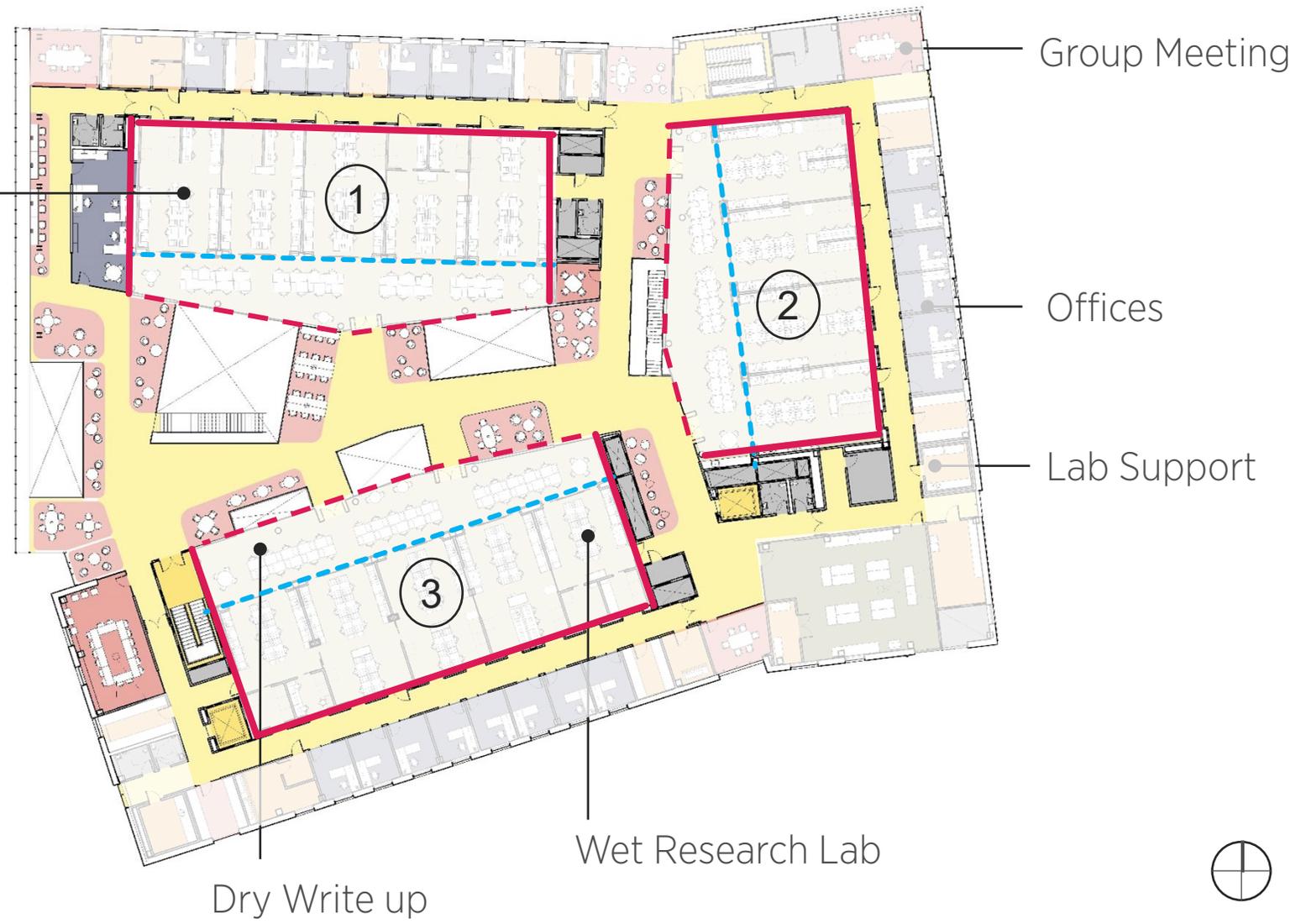
**Shanklin & New Science** | Grounded in a campus fabric



Research clusters



Central commons



Group Meeting

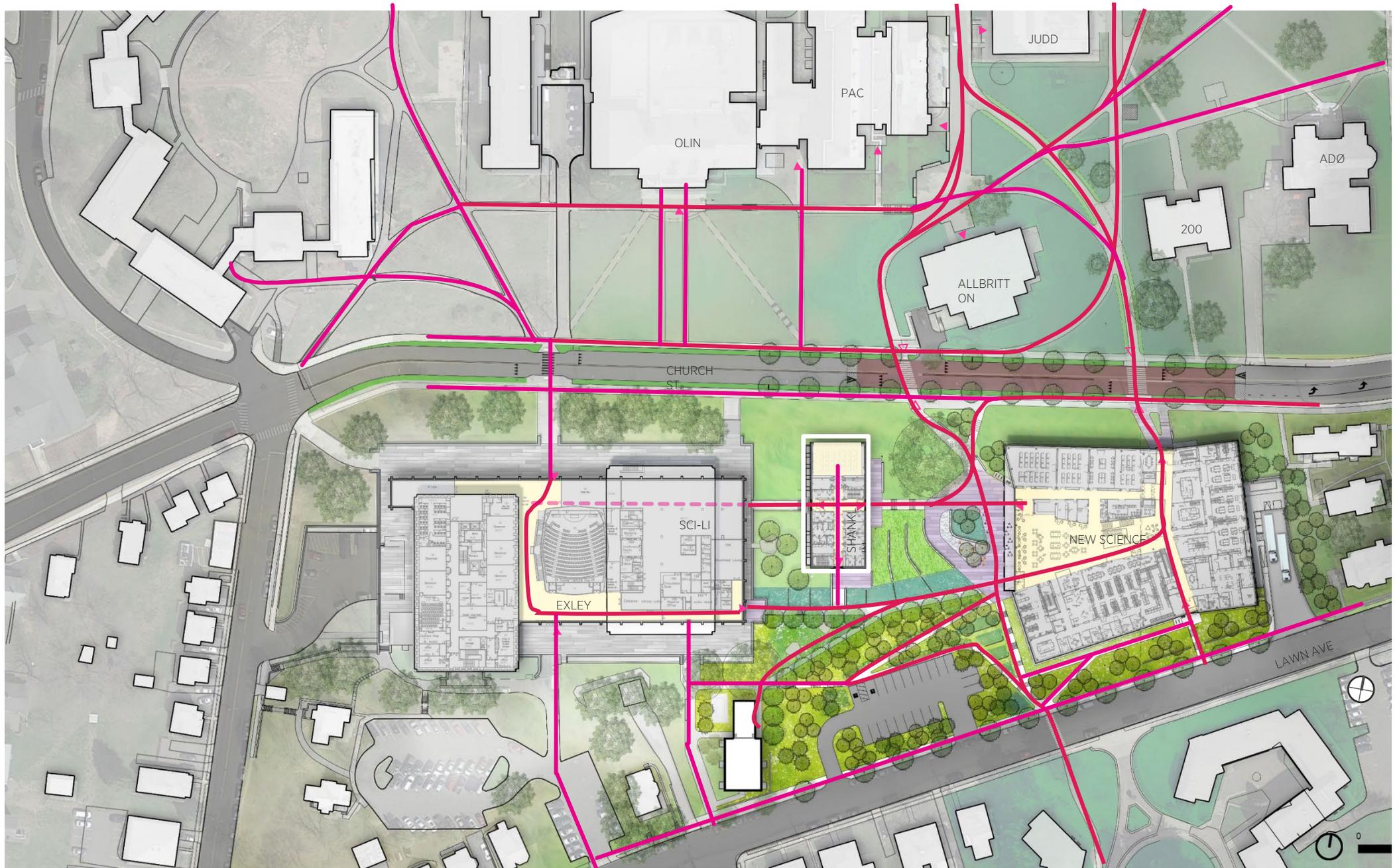
Offices

Lab Support

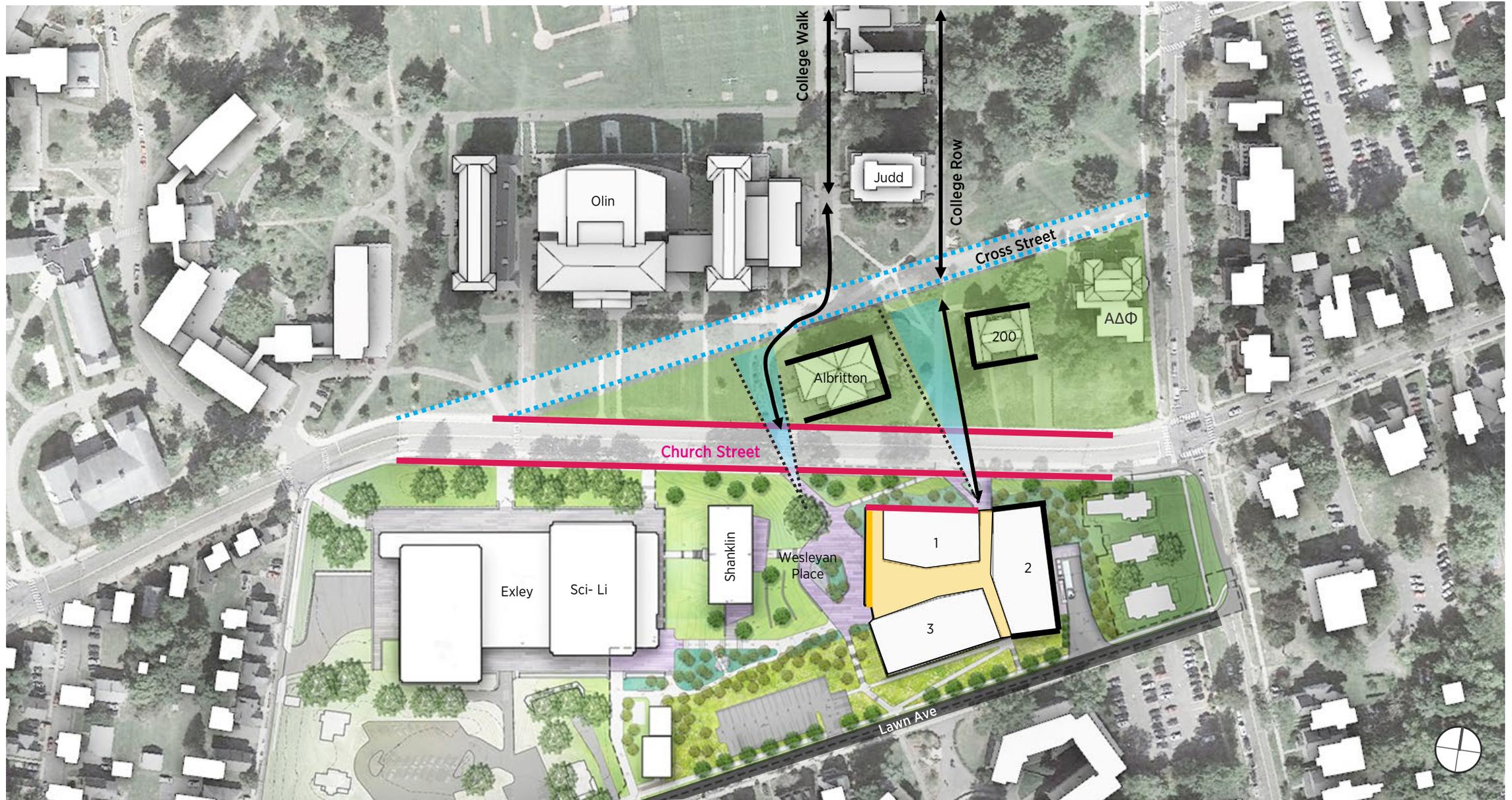
Wet Research Lab

Dry Write up

**Interior Concept | Research Clusters + Connected Campus Community**



**Shanklin & New Science** | Grounded in campus fabric



**Bridging Church Street | Two key campus crossings**



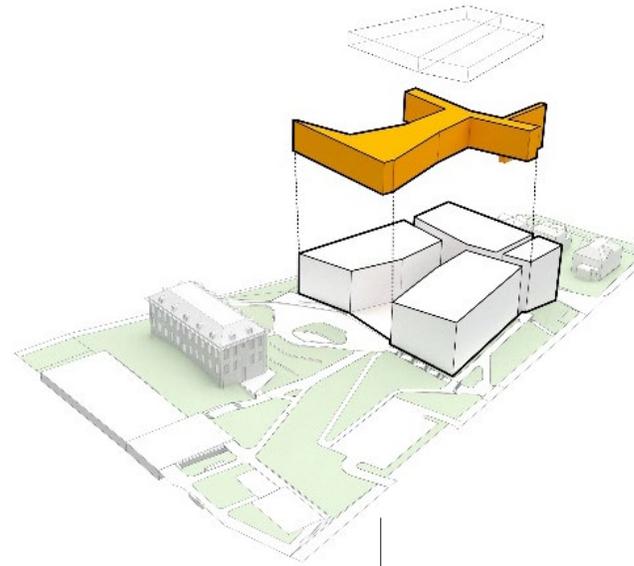
**Site Plan**

## Wesleyan's rich architectural legacy



**A spectrum of styles – consistent quality, integrity & diversity**

Research Clusters

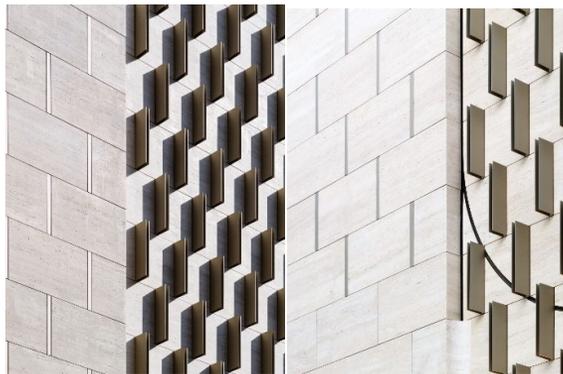


Connecting Commons



HEAVY/ GROUNDED	LIGHT/FLOATING
STONE	GLASS
OPAQUE	TRANSPARENT
HISTORICAL REFERENCE	FORWARD LOOKING
PERMANENCE	PERFORMANCE
CARVED/ REDUCTIVE	MACHINED/ ASSEMBLED
ARTICULATED	CRISP
ROBUST RESEARCH	FLEXIBLE STUDY
SCIENCE FOCUSED	SHARED RESOURCE
CAMPUS GRAVITAS	INVITATION TO ALL

**Concept Diagram for New Science : Clusters + Commons**





**Lawn Ave | Butterfield Crossing**



**College Row | Campus Approach**



**Wesleyan Place | Allbritton Crossing**



**Wesleyan Place** | Beacon to Science



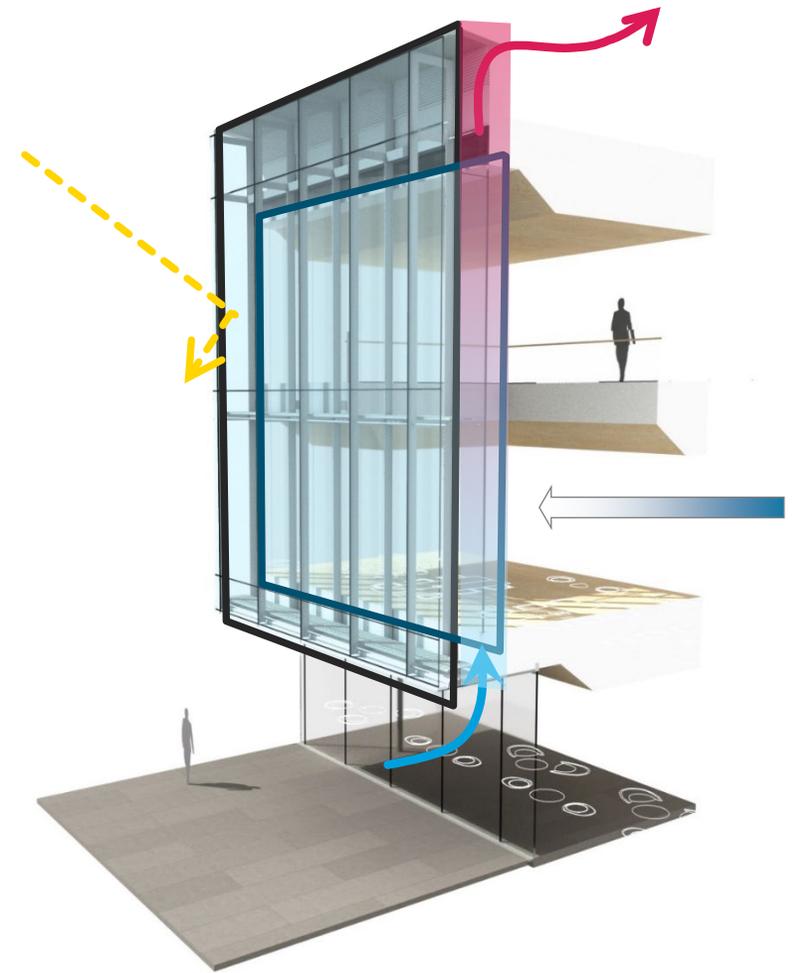
**Exley Approach | Science Walk**



**Wesleyan Place | From Shanklin**



**View from science** | Connecting to Shanklin and to Campus



REDUCE



Annual Heating



Peak Cooling

MAINTAIN



Transparency



Thermal Comfort



Visual Comfort

**High Performance : Double Skin Facade**

SOLAR CONTROL COATINGS



51% VLT  
14% OUTDOOR  
REFLECTIVITY  
0.23 SHGC

48% VLT  
19% OUTDOOR  
REFLECTIVITY  
0.25 SHGC

43% VLT  
28% OUTDOOR  
REFLECTIVITY  
0.23 SHGC

SUBTLE REFLECTIVITY



MINIMAL STRUCTURE



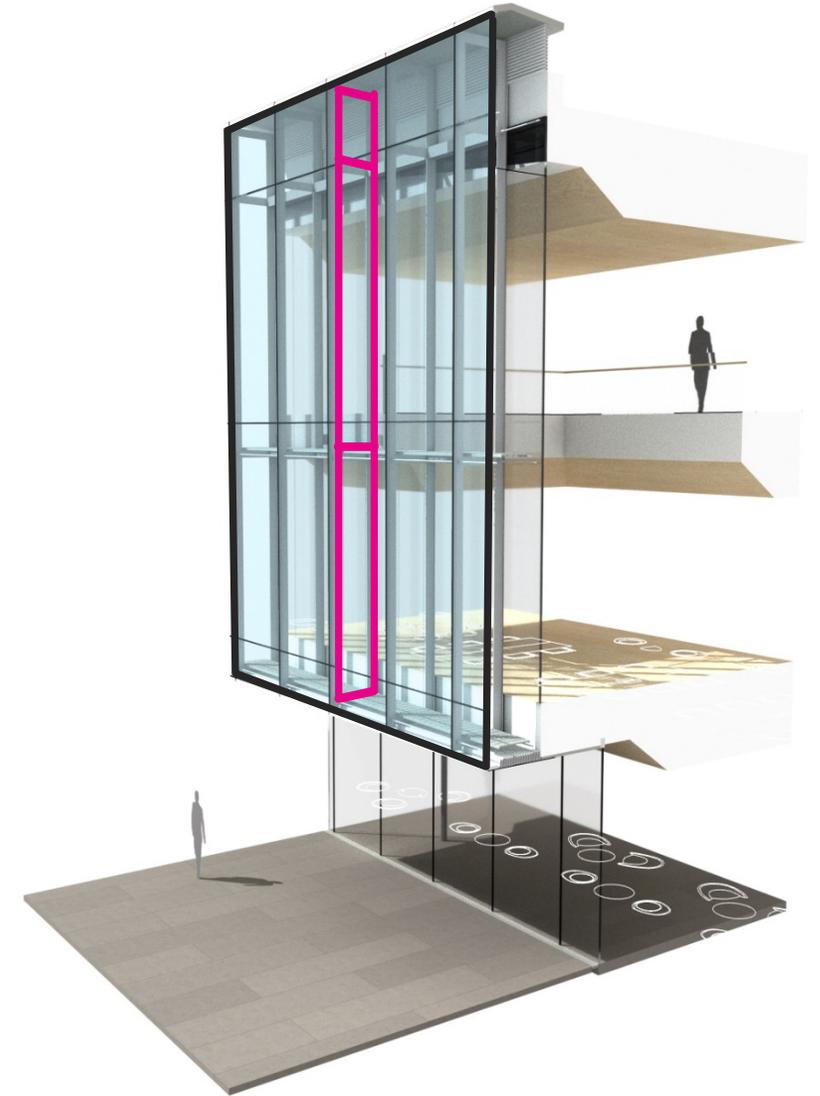
UV REFLECTIVE COATING



WHAT BIRDS SEE

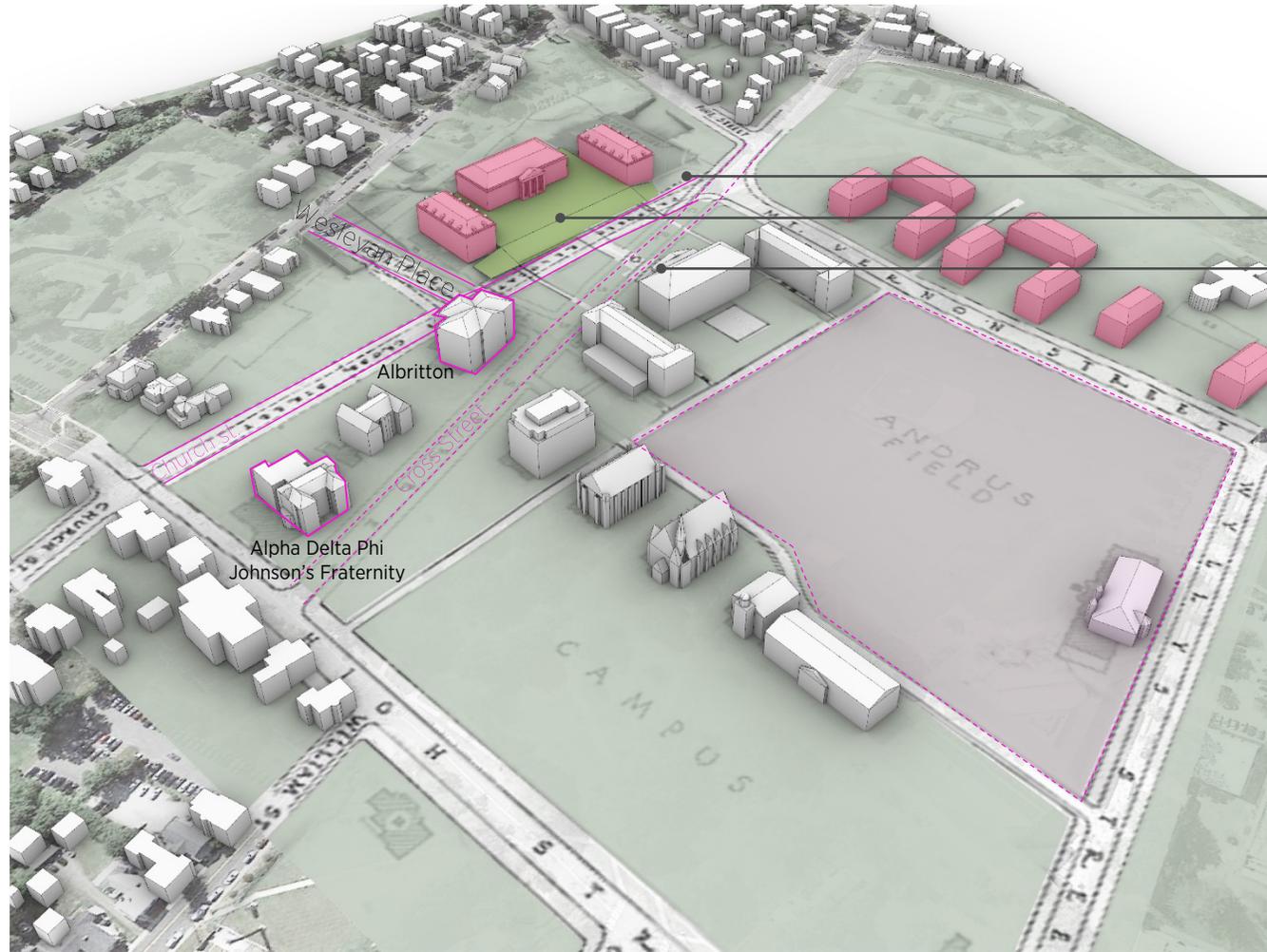


WHAT WE SEE

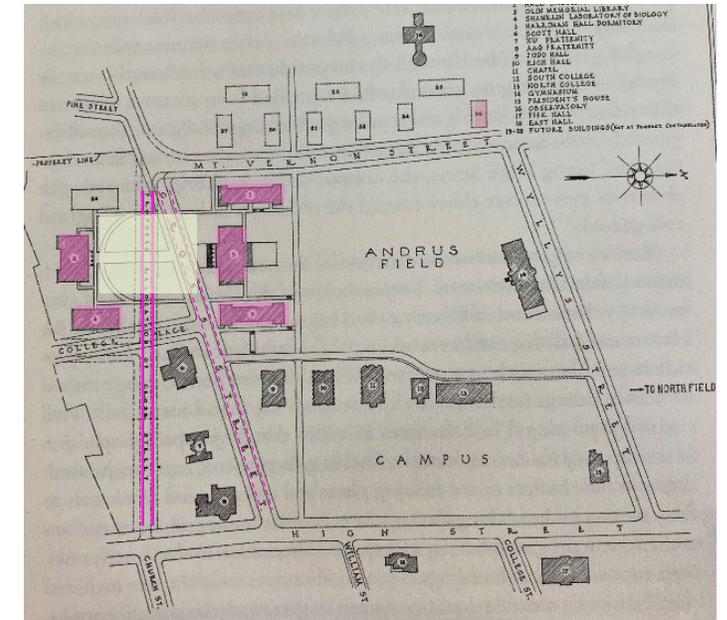


*Shanklin*

# SITE TIMELINE



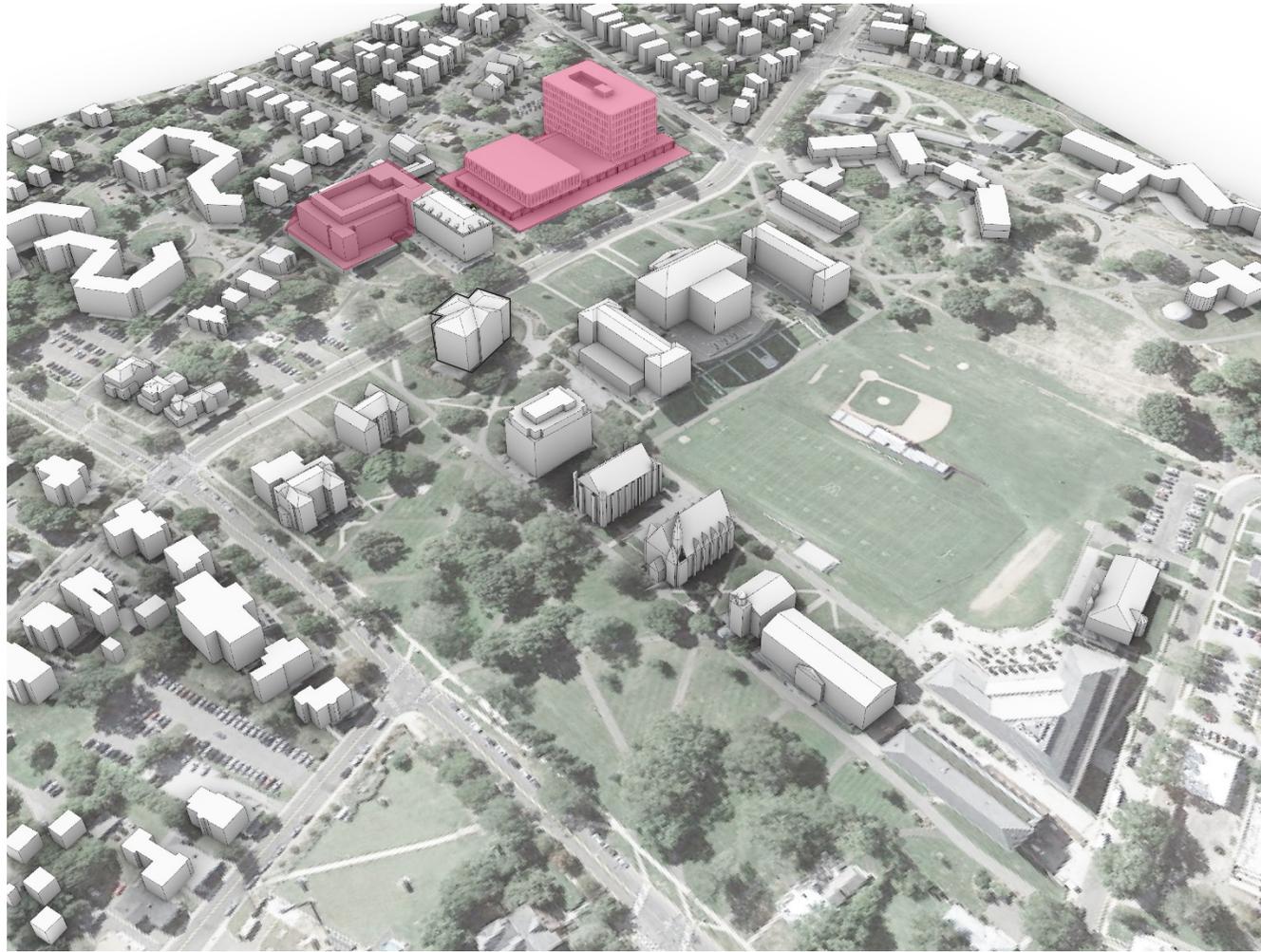
Cross Street moved to Church Street  
 Future buildings per 1927 Campus plan  
 Library front door facing south



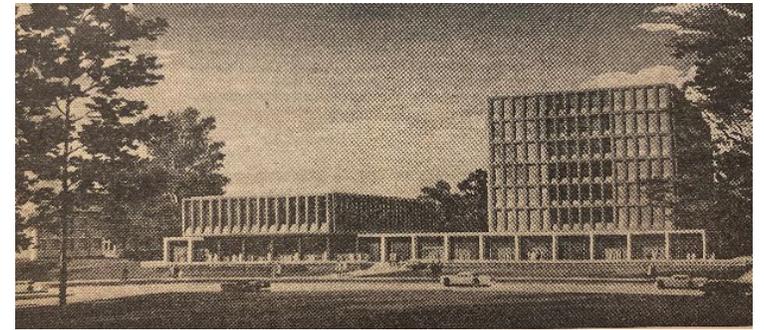
1927 Johnson Campus Plan

## Shanklin Origins : Science Shift (across) Church

## SITE TIMELINE

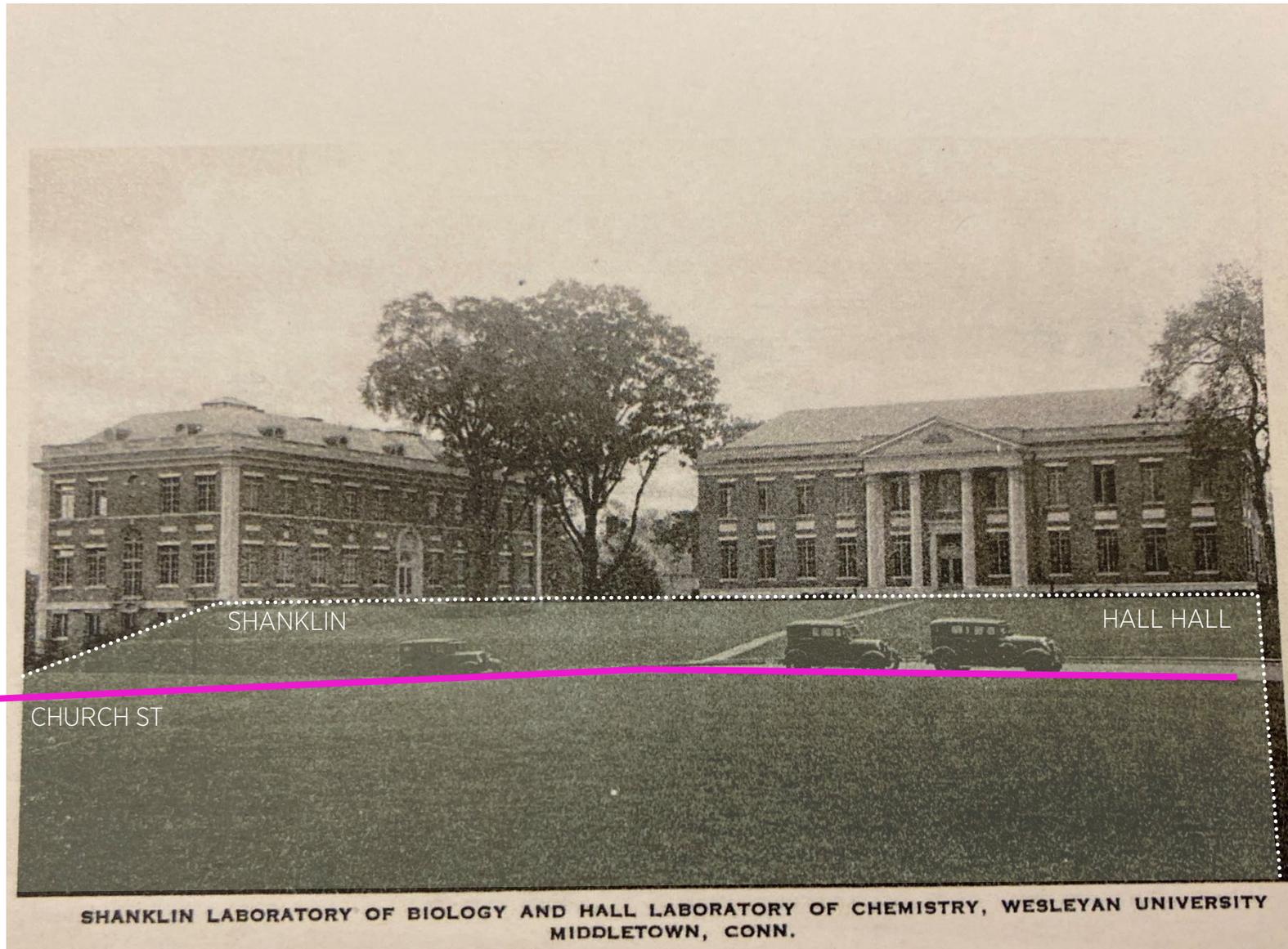


1970 Exley Science Center Complete

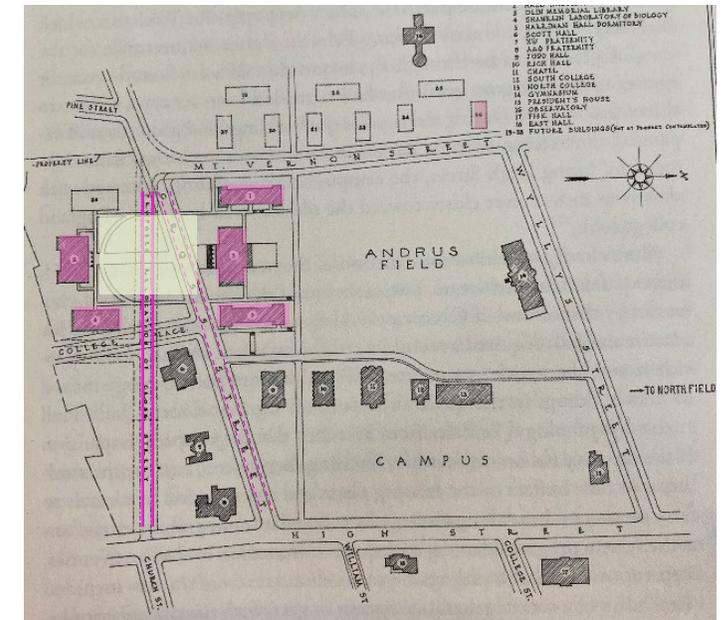


**Stranded Shanklin:** Alone Across Church St

CAMPUS ACROSS CHURCH STREET | SHANKLIN & HALL LABORATORY OF CHEMISTRY



With new Church Street location



**Shanklin Origins** | Science Across (New) Church Street

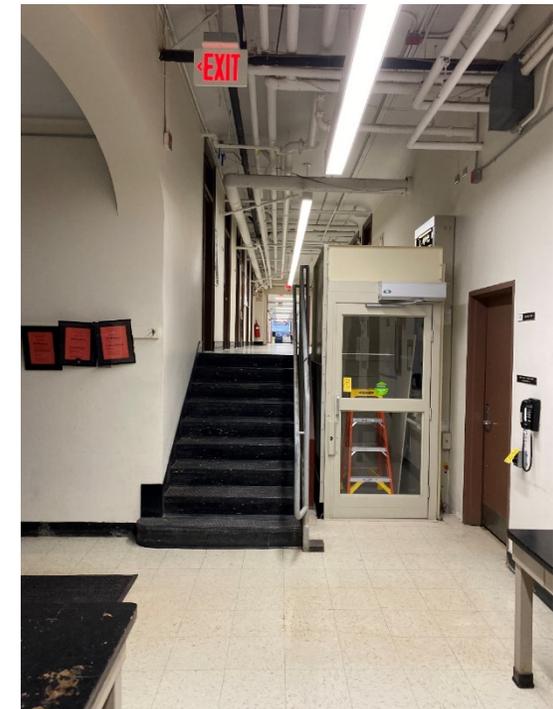


Northeast : Site Retaining Wall



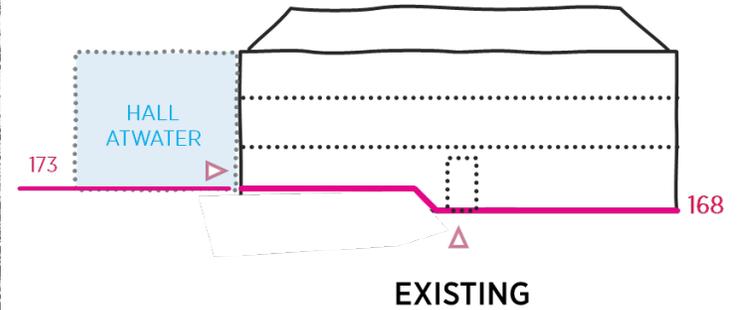
Original Northwest : Retaining Quad

**Shanklin Origins** | Odd relationship to landscape & grades

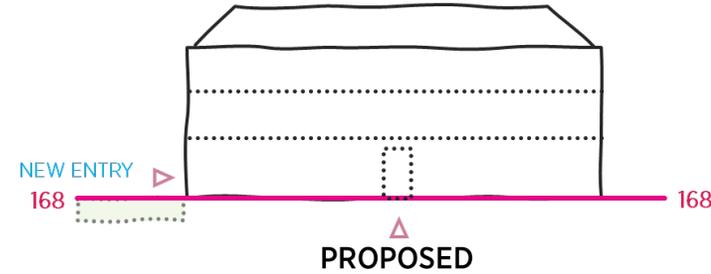


Split Floor level 1

Split Level | First Floor



EXISTING



PROPOSED

Elev. 173'-0"

Elev. 168'-0"

Window sills to be lowered on L1

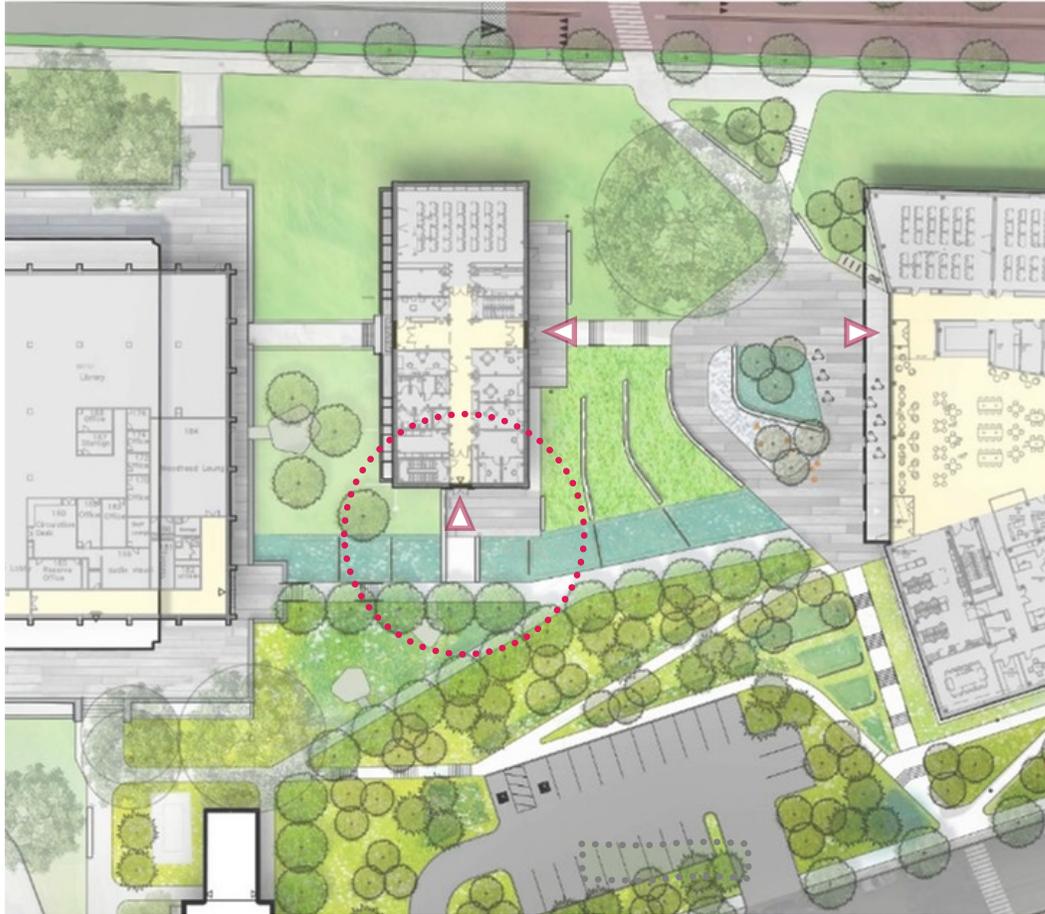
Slab on south side of building to be lowered to keep entire L1 at Elev. 168'-0"

Steps to be removed in RM 107

Steps and exterior grade to be modified

Remove air conditioners and replace with glazing to match existing

**Restore Shanklin Façade | Improved & Accessible relationship to grade**



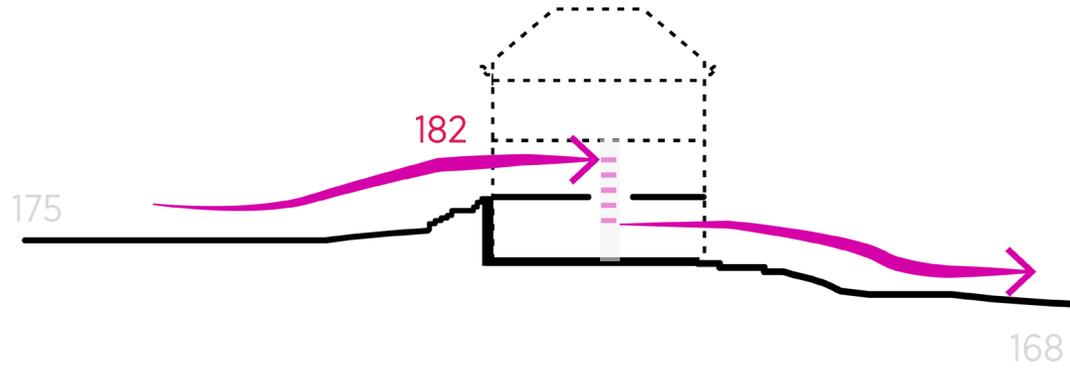
NEW ENTRY & TERRACE



NEW ENTRY & TERRACE

**North South Axis | Improved & Accessible relationship to grade**

SHANKLIN | EXISTING ENTRY SEQUENCE



EXISTING

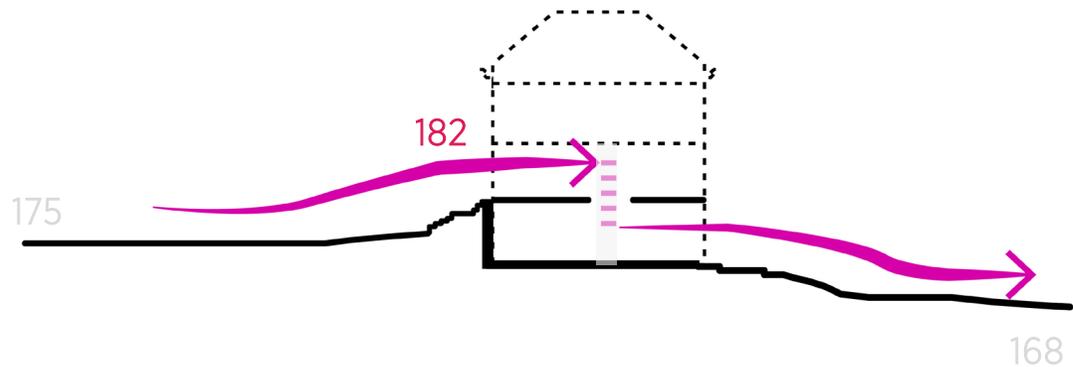
**Shanklin Today** | Disconnected from grade



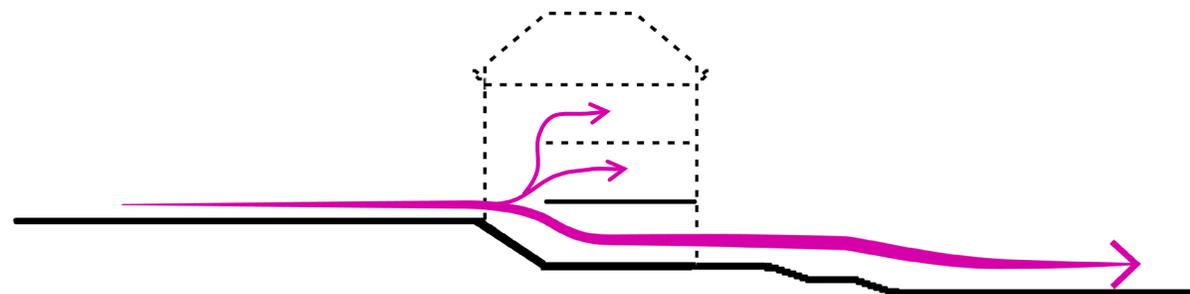
LOST OUTDOOR SPACE



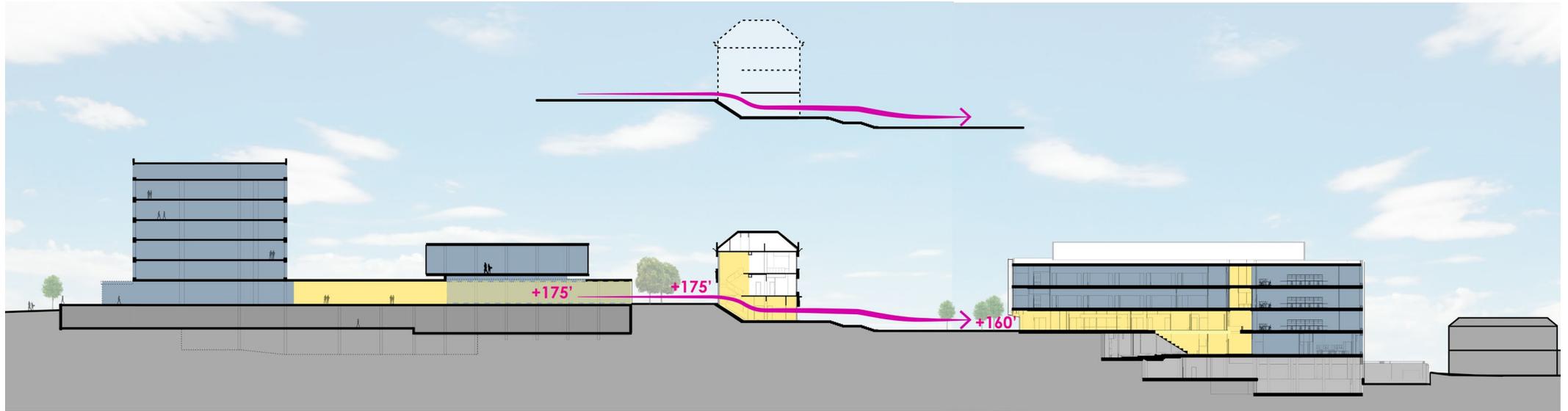
BARRIER & STEPS TO ENTRY



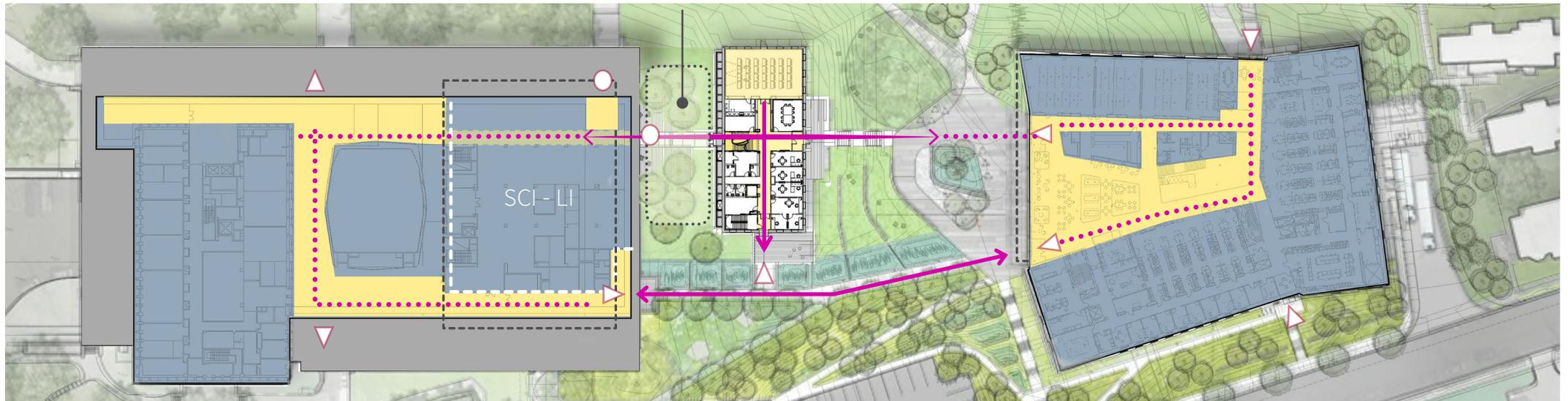
EXISTING



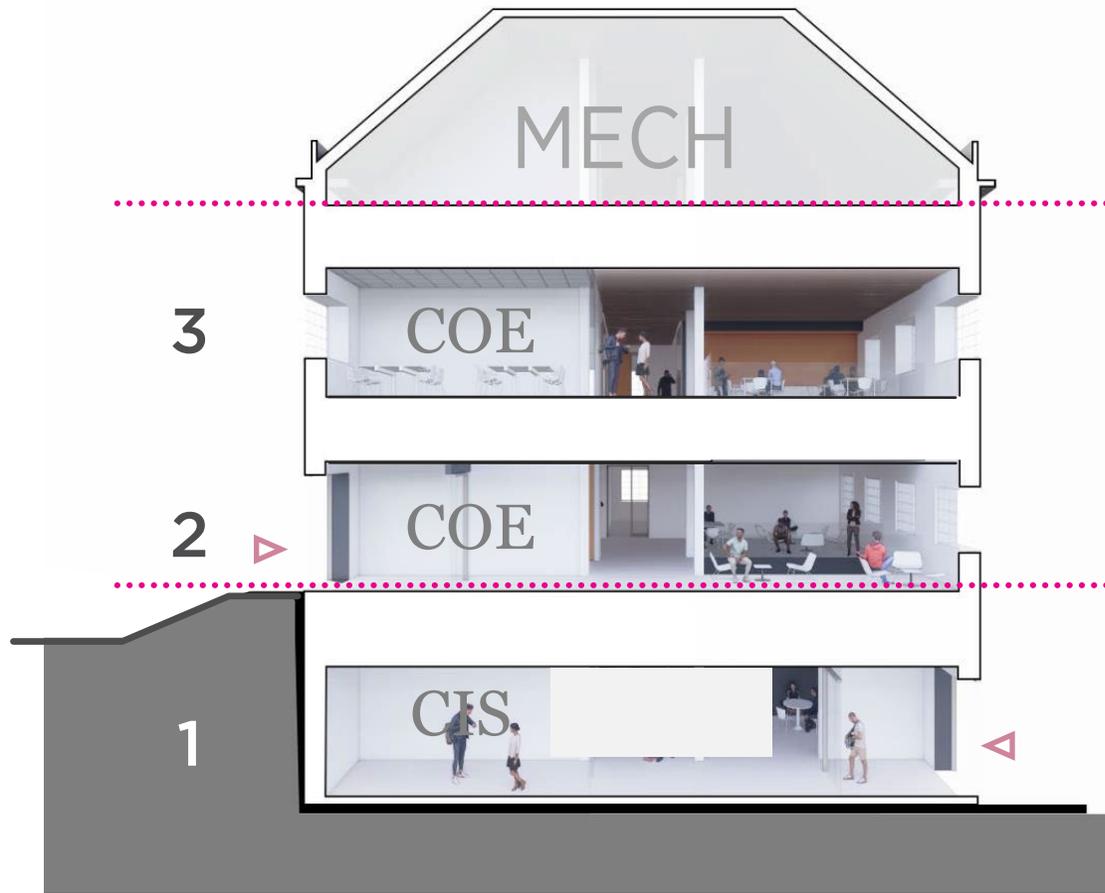
PROPOSED



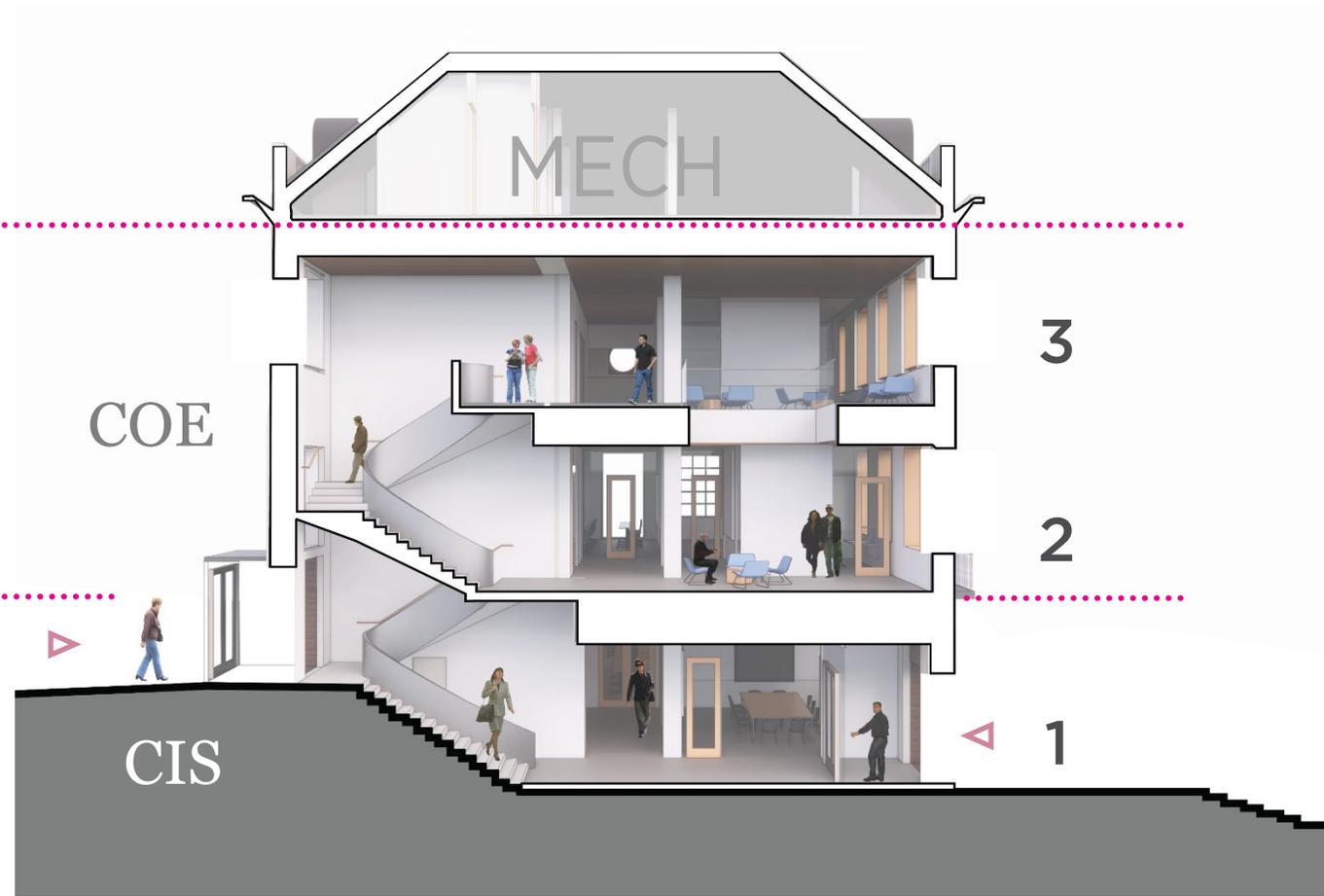
NEW OUTDOOR ROOM



**Proposed Regrading | New Connecting Axis**



PREVIOUS



REVISED



South Façade  
(recreated after HA removal)



East Façade



North Façade



West Façade