

# Temple University

**New Facility for the Klein College of Media and  
Communications and the Center for  
Performing and Cinematic Arts**

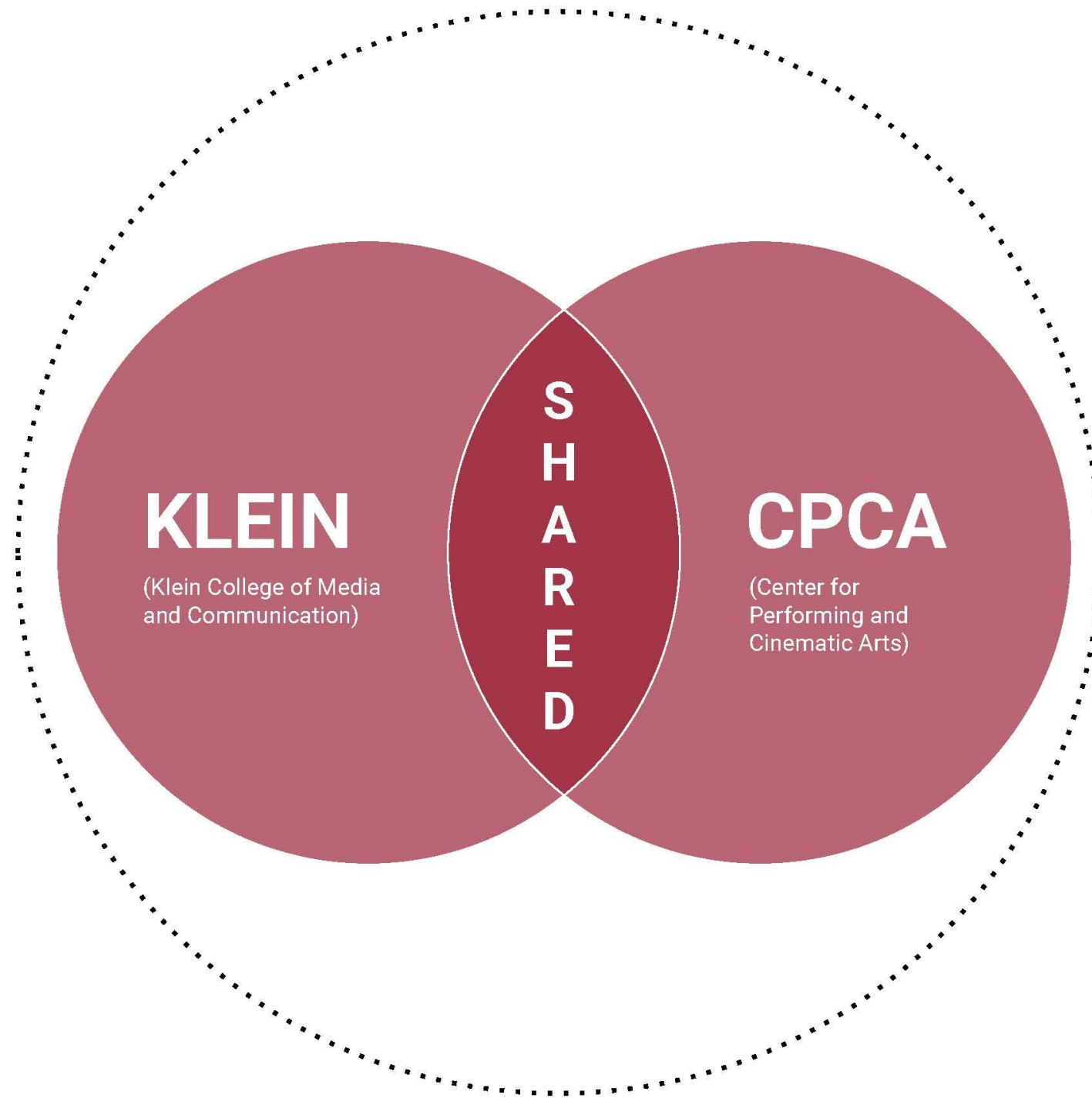
Civic Design Review 09.03.2024

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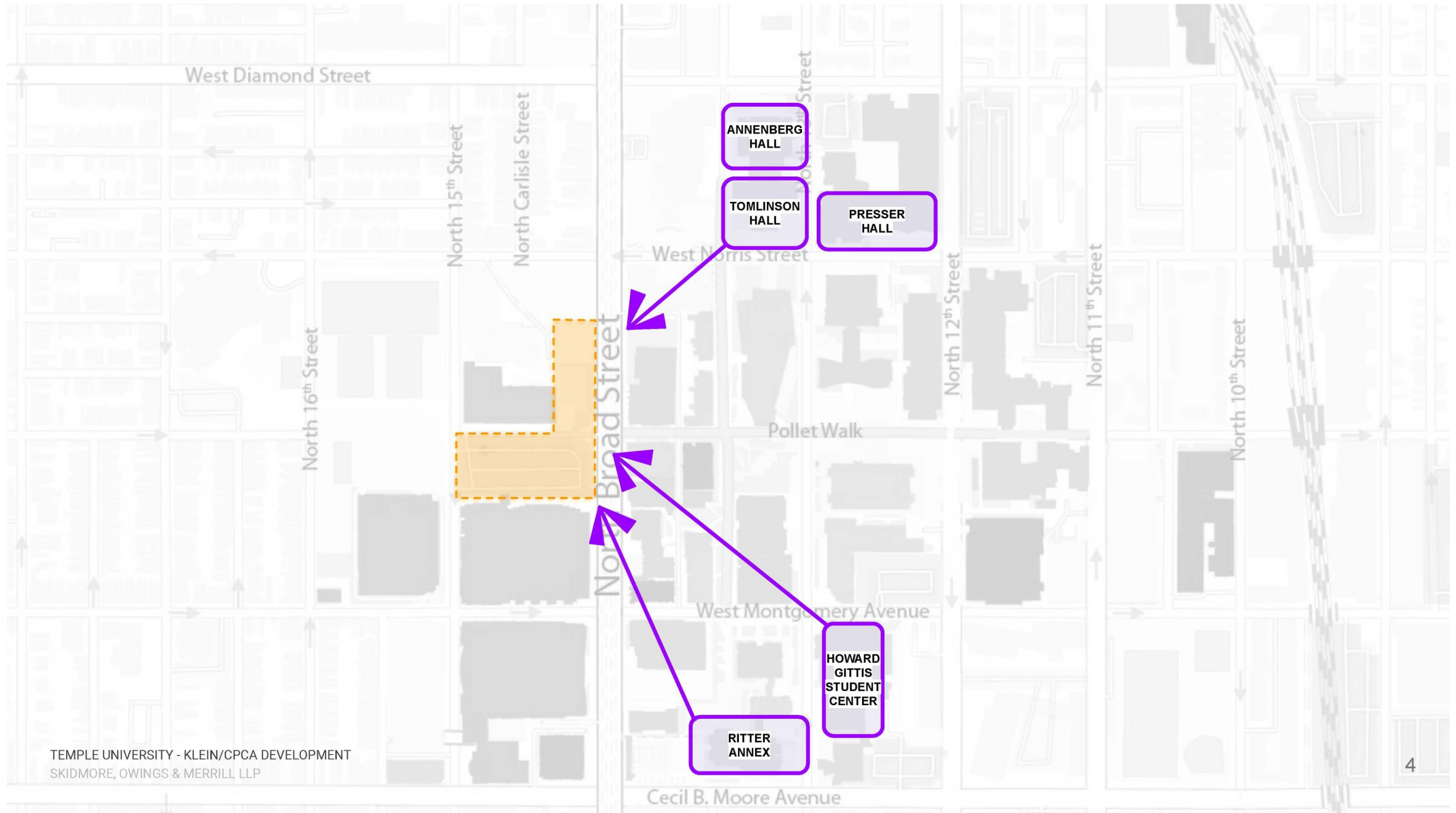
## **Appendix**

1. Site Survey
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# Development Goals

Klein/CPCA Existing Facilities Consolidation



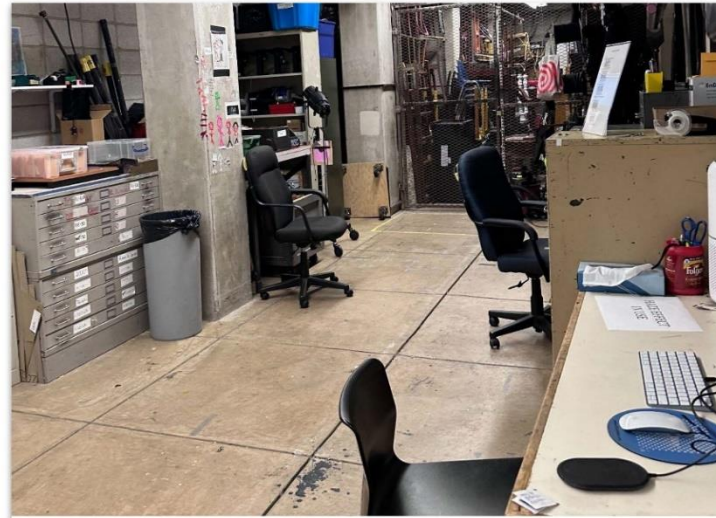


# Development Goals

Klein/CPCA Existing Facilities



**UNWELCOMING EXTERIOR EXPRESSION**



**MAKESHIFT TEACHING SPACES**



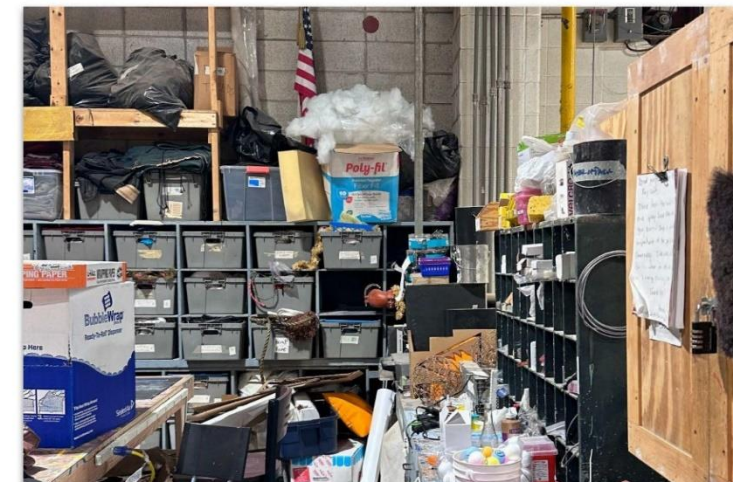
**SMALL THEATER PRE-FUNCTION SPACE**



**OUTDATED EXTERIOR**



**OUTDATED AND INACCESSIBLE STUDIO CONTROL SPACES WITH LACK OF ACOUSTIC CONTROL**



**LACK OF STORAGE SPACE**

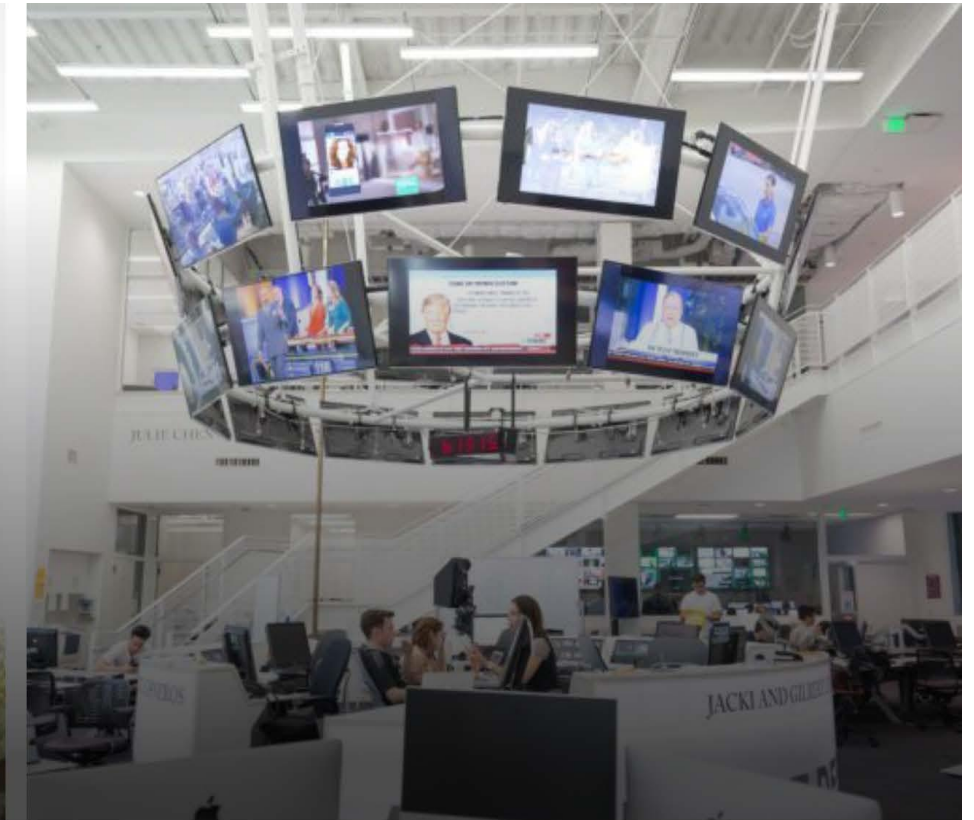




**Create a presence on Broad Street  
and the larger Philadelphia  
landscape**



**Stitch the "Core Campus" together  
for today's needs  
and tomorrow's vision**



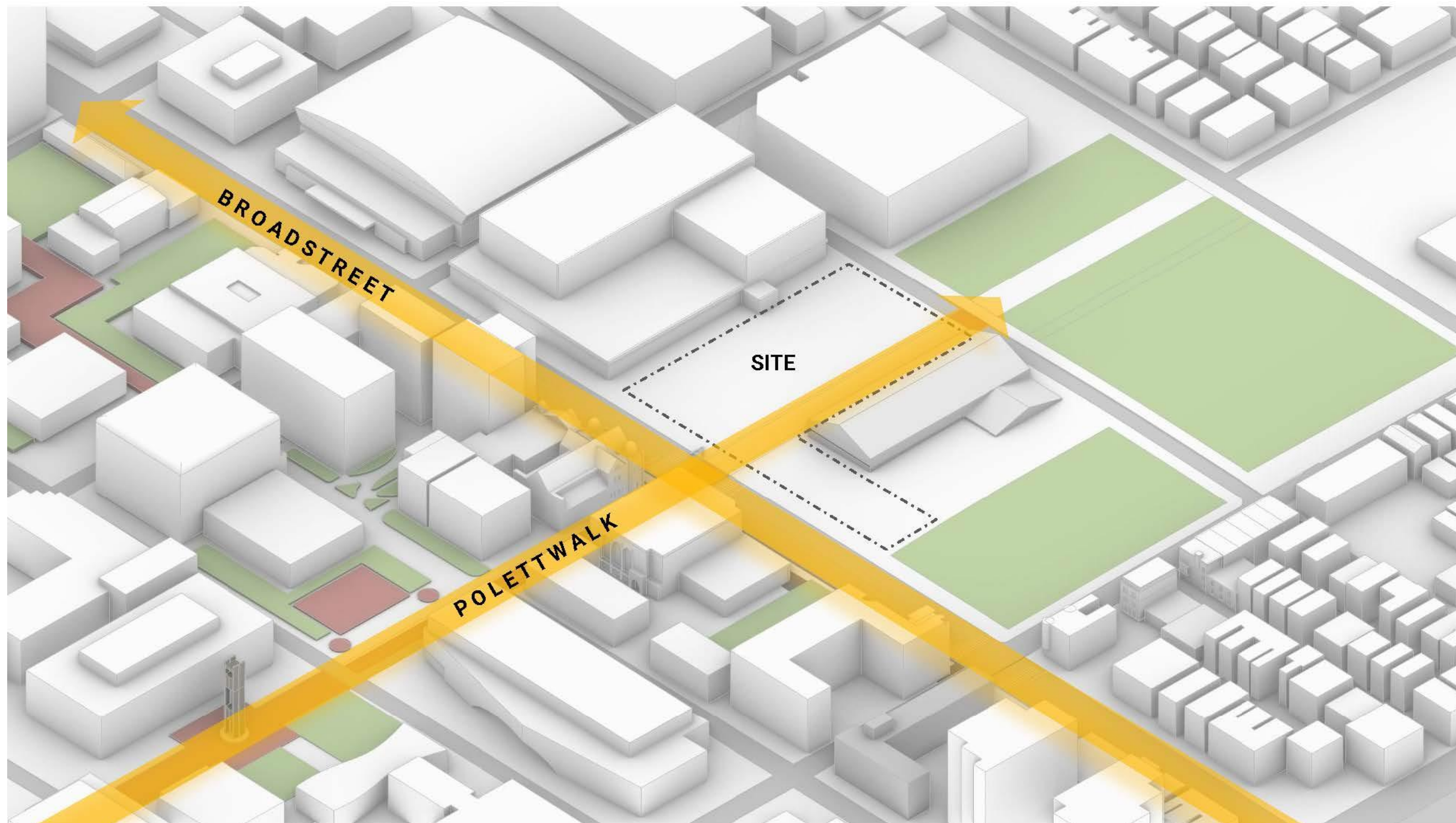
**Leverage synergies to create  
state-of-the-art  
schools under a single roof**





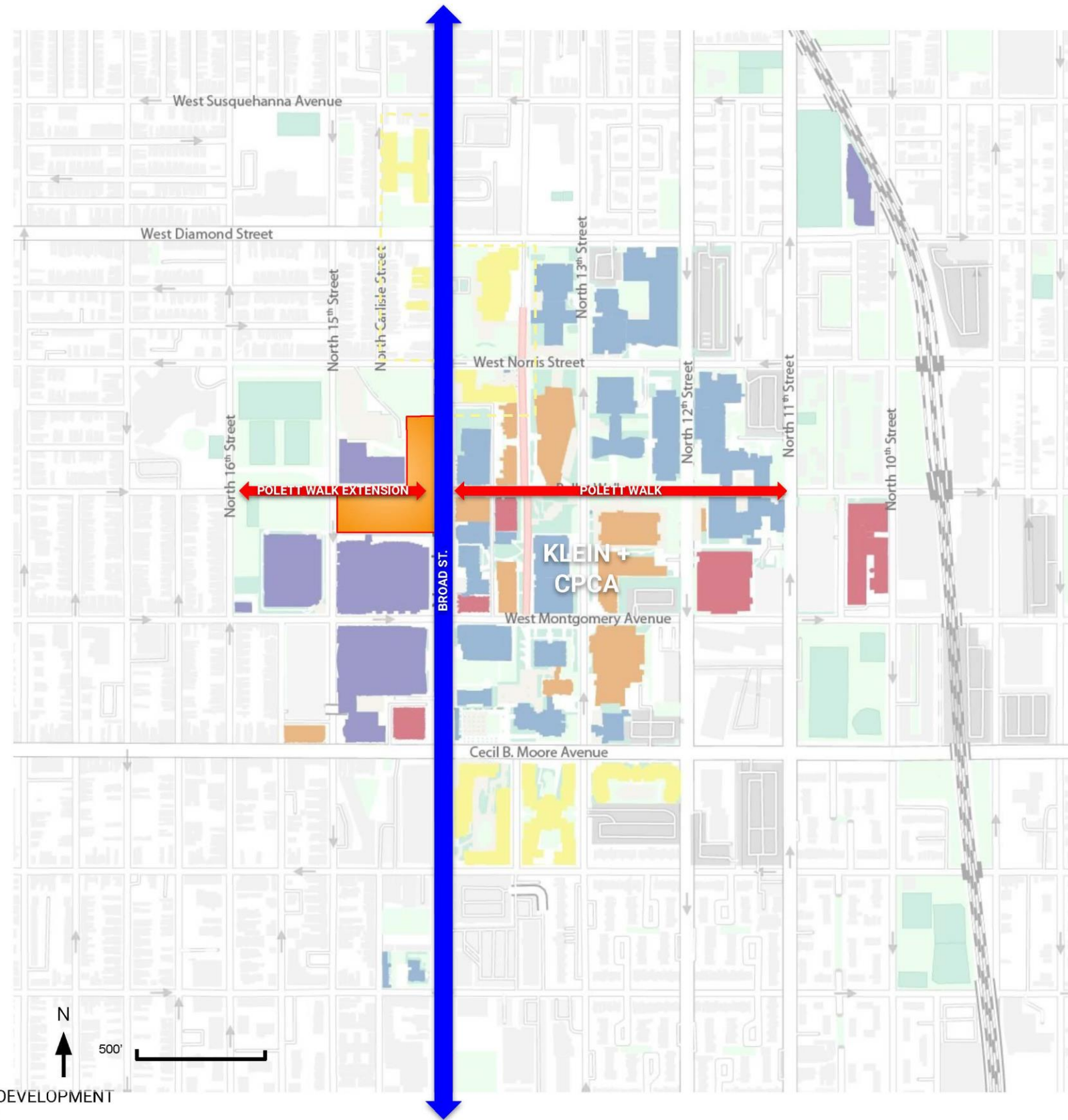
# Development Goals

Klein/CPCA Existing Facilities Consolidation



# Site Analysis

Campus Organization

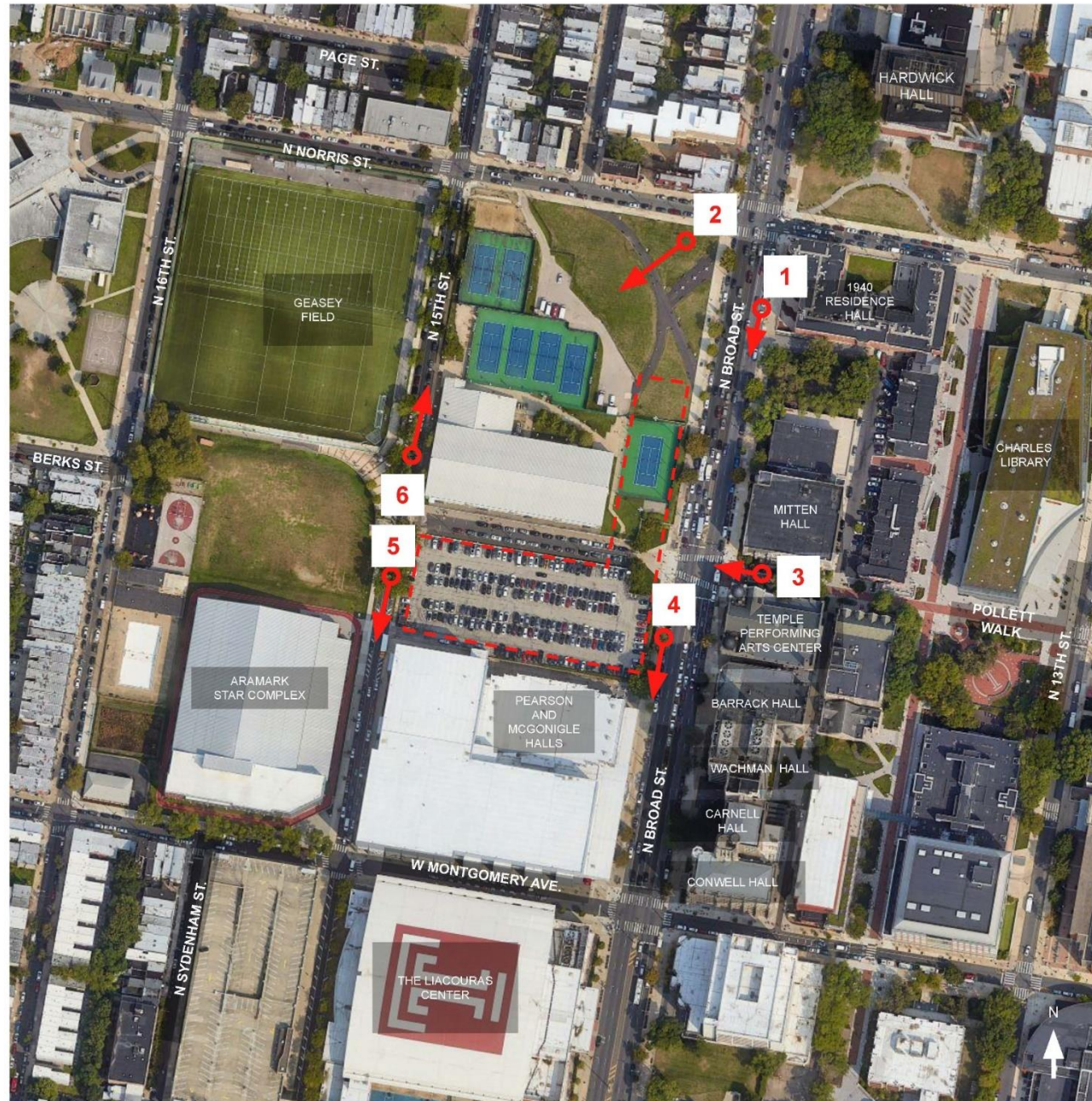


- Academic
- Student Housing
- Special
- Administrative
- Recreation & Athletic



# Existing Site Photos

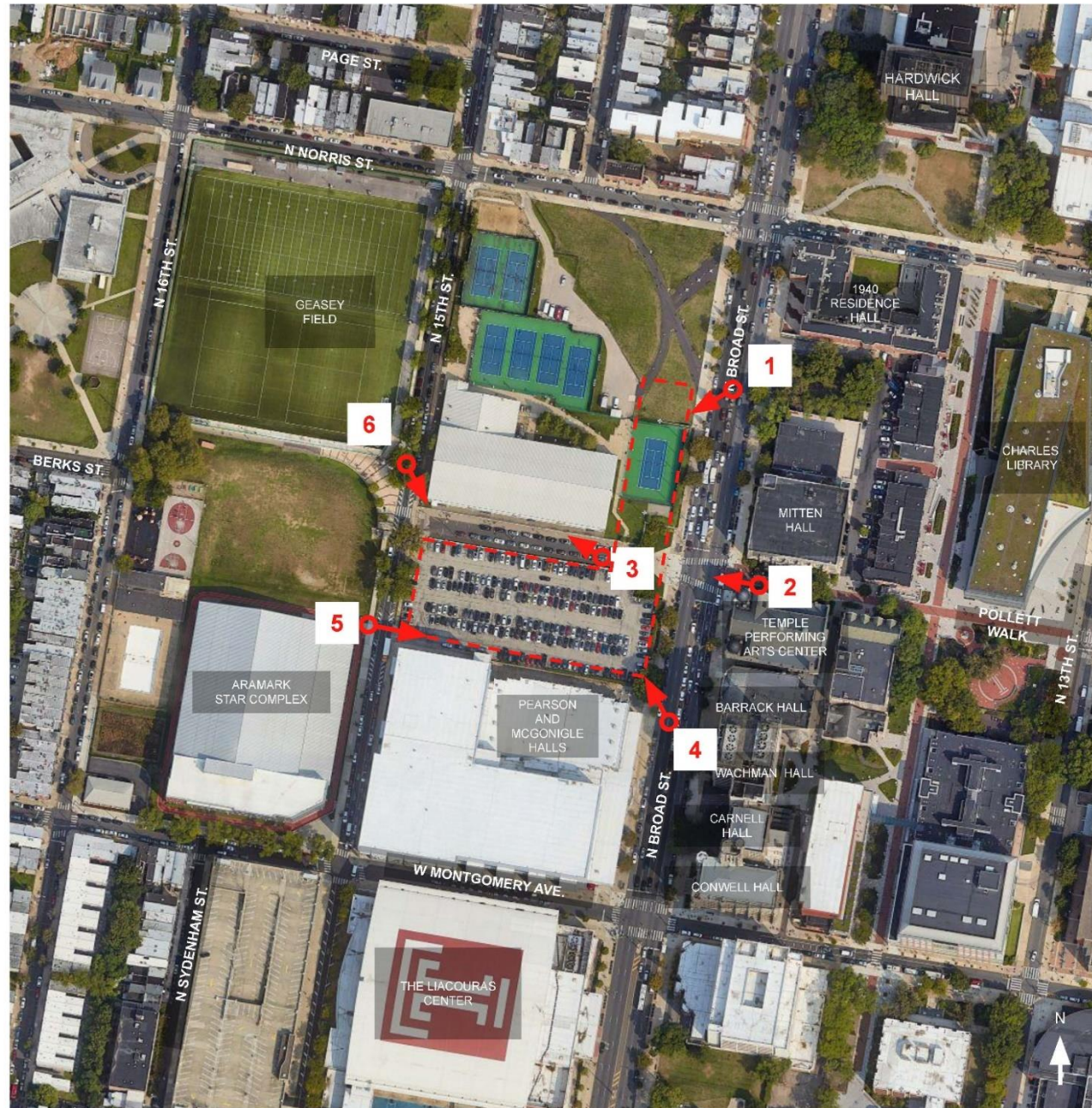
Pedestrian Experience





# Existing Site Photos

Pedestrian Experience



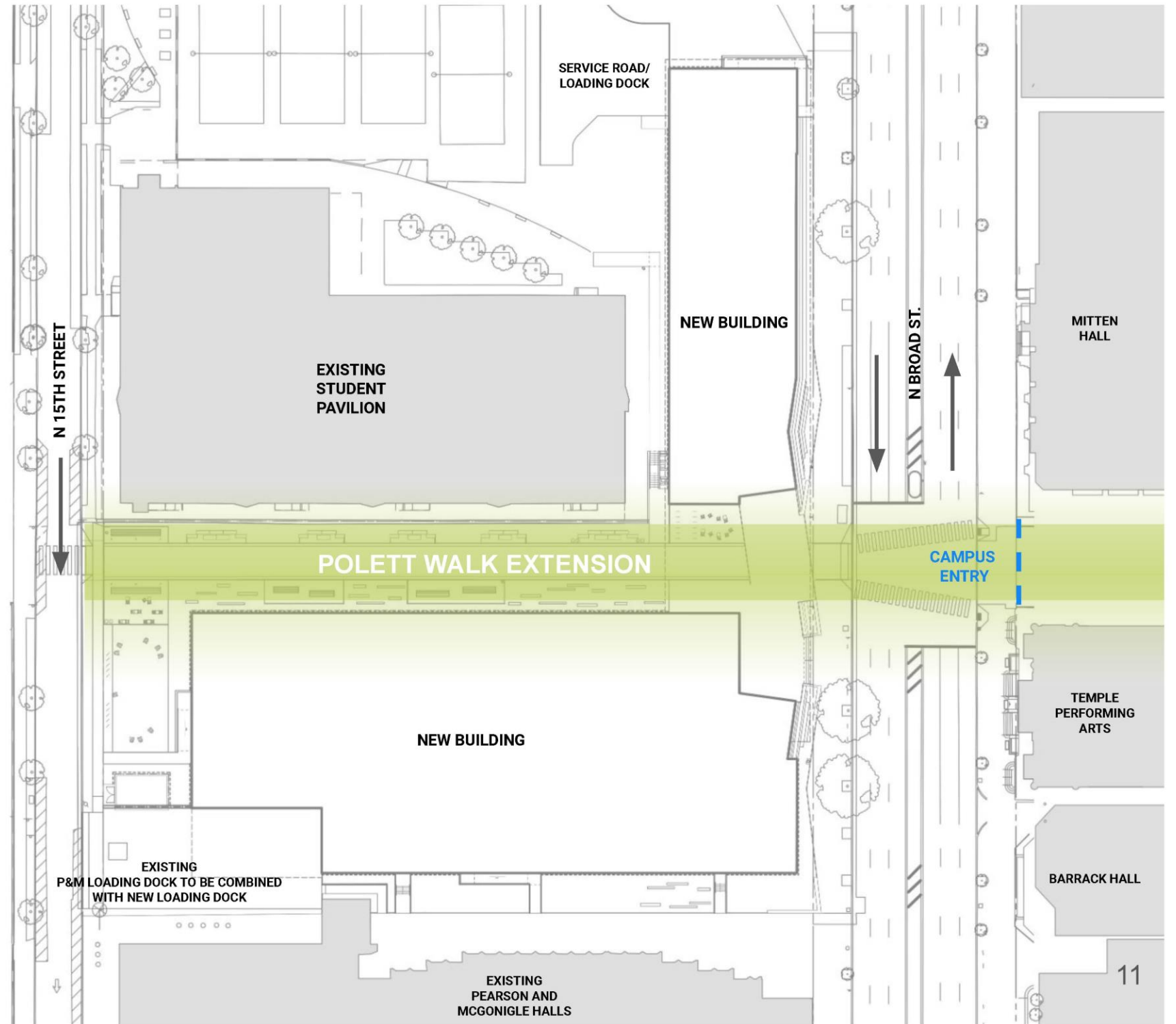


# Site Concepts

Expanded Pedestrian Walk



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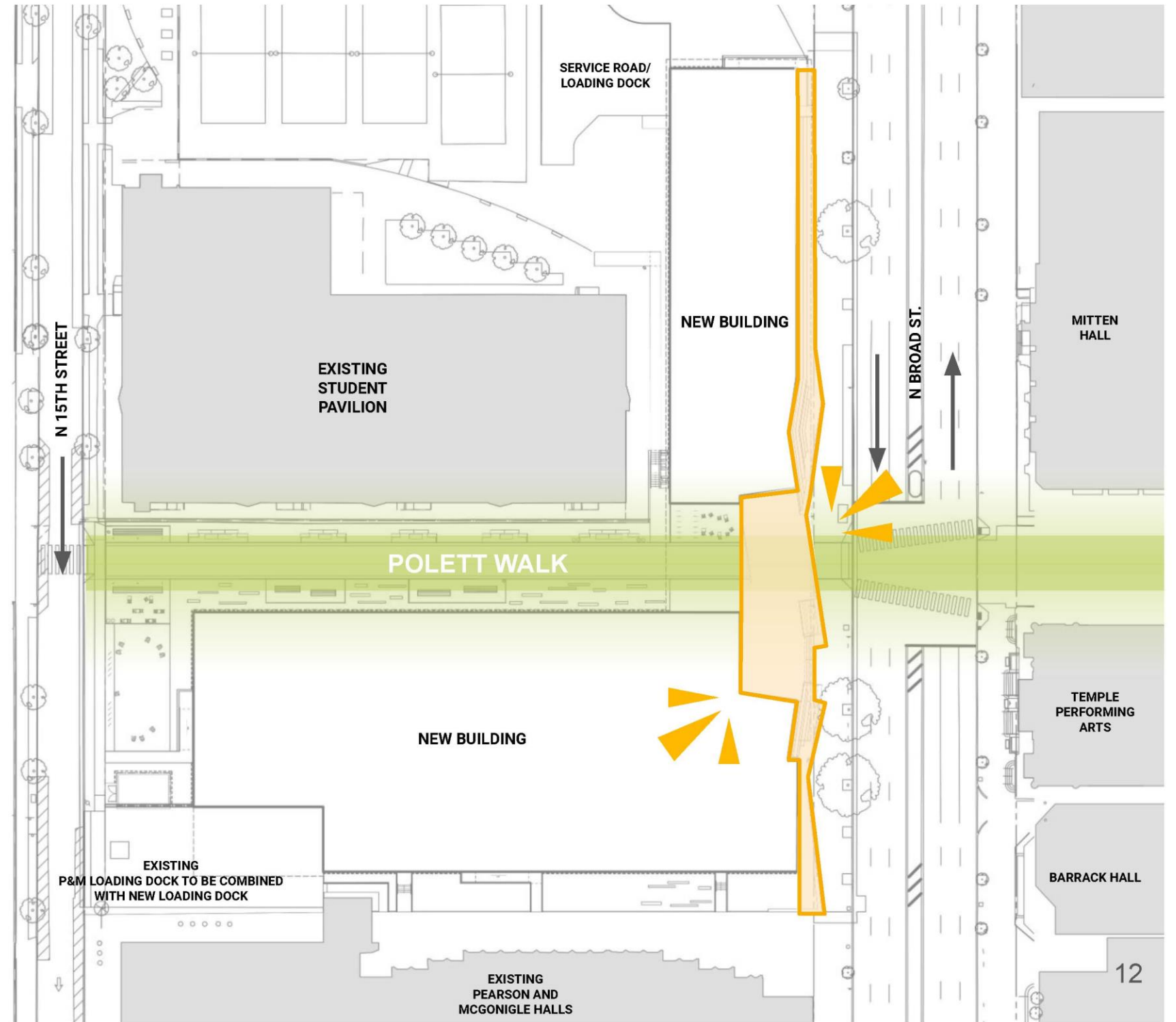


# Site Concepts

New Campus Node



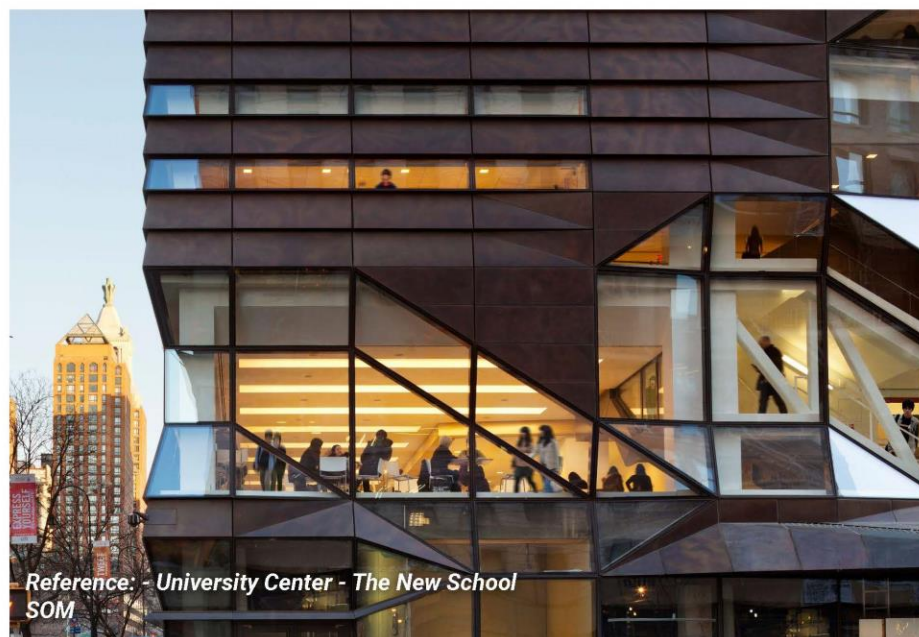
TEMPLE UNIVERSITY - KLEIN/CPCA DEVELOPMENT  
SKIDMORE, OWINGS & MERRILL LLP



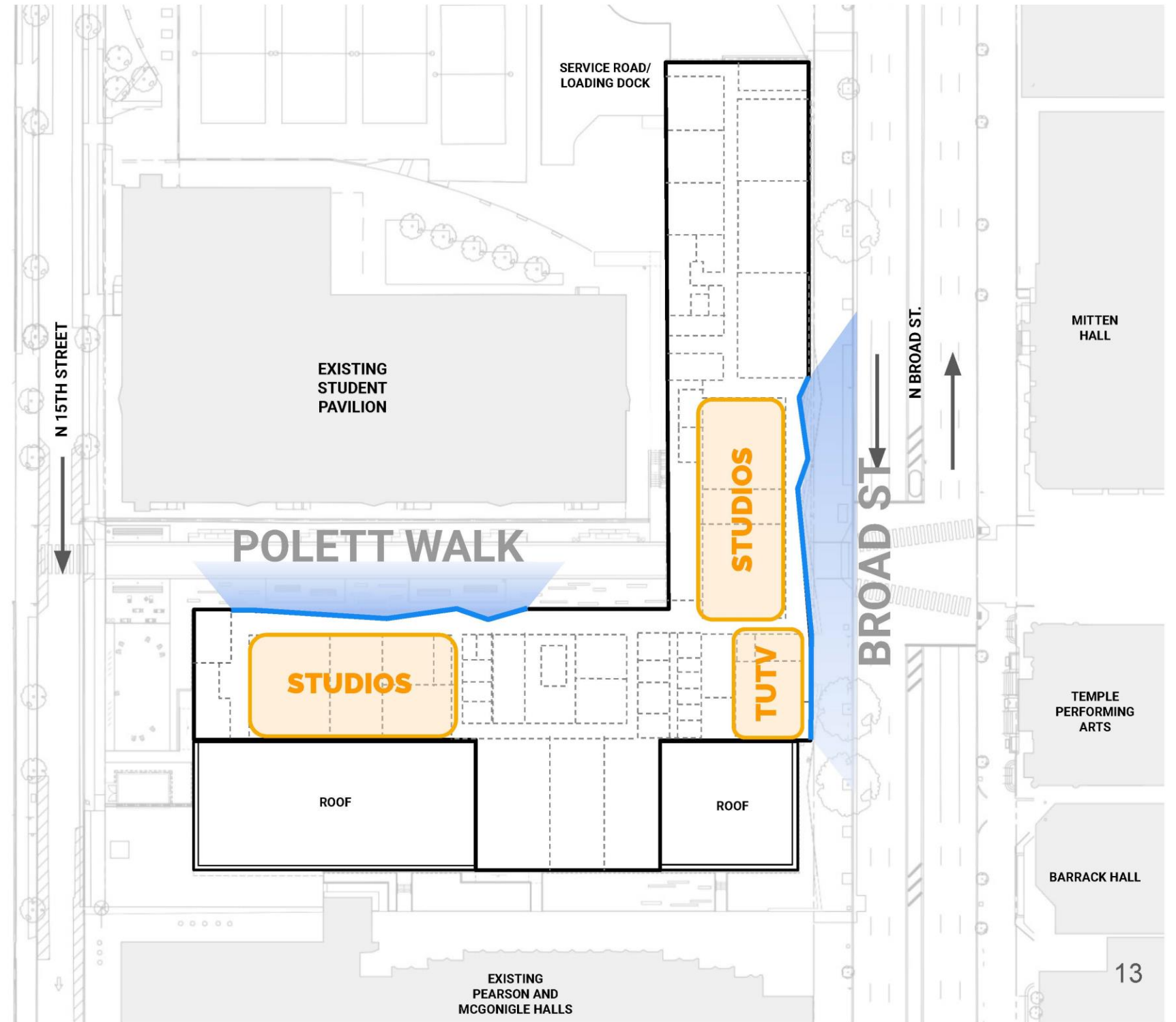


# Site Concepts

Program on Display

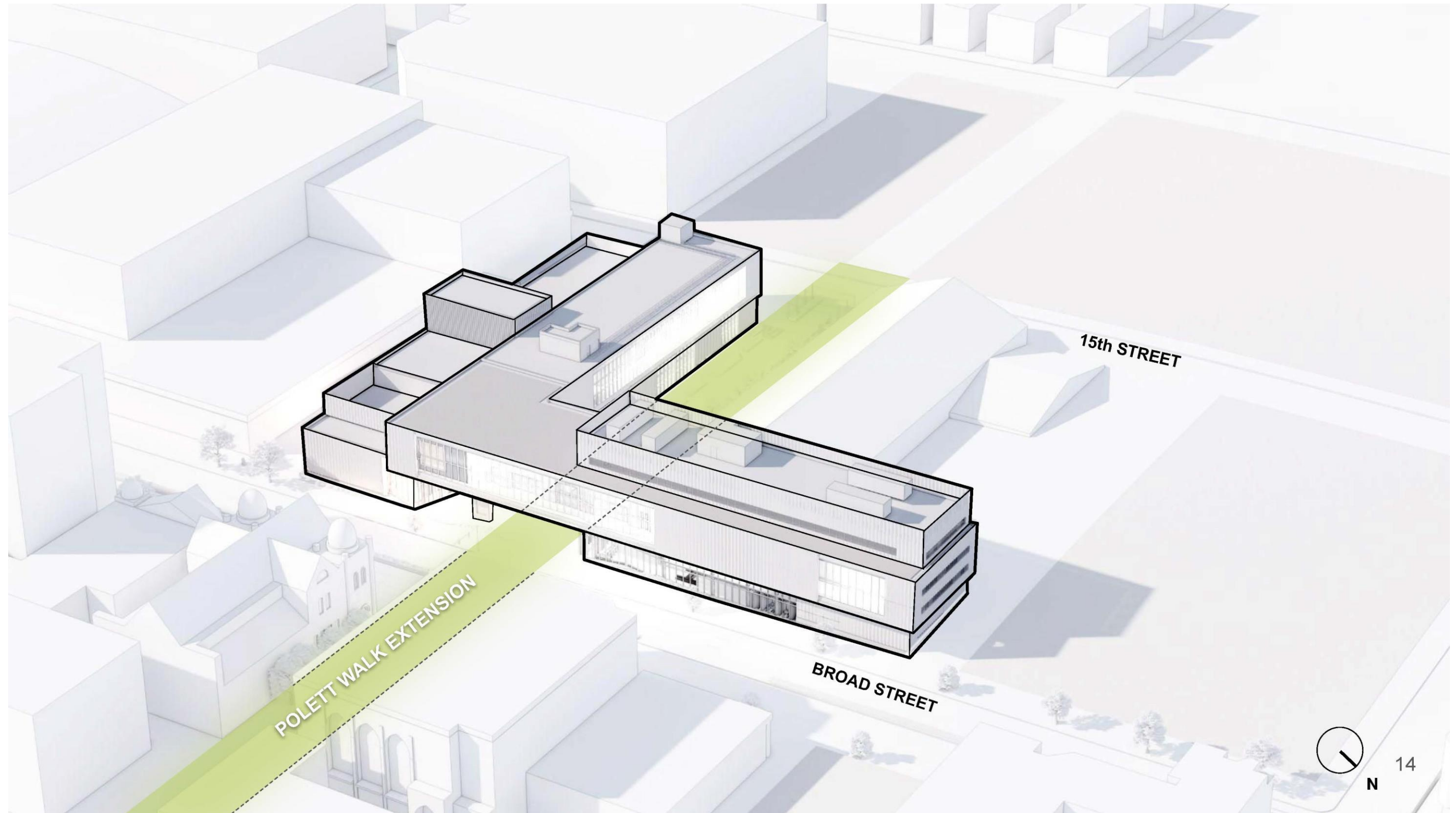


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# Massing Concepts

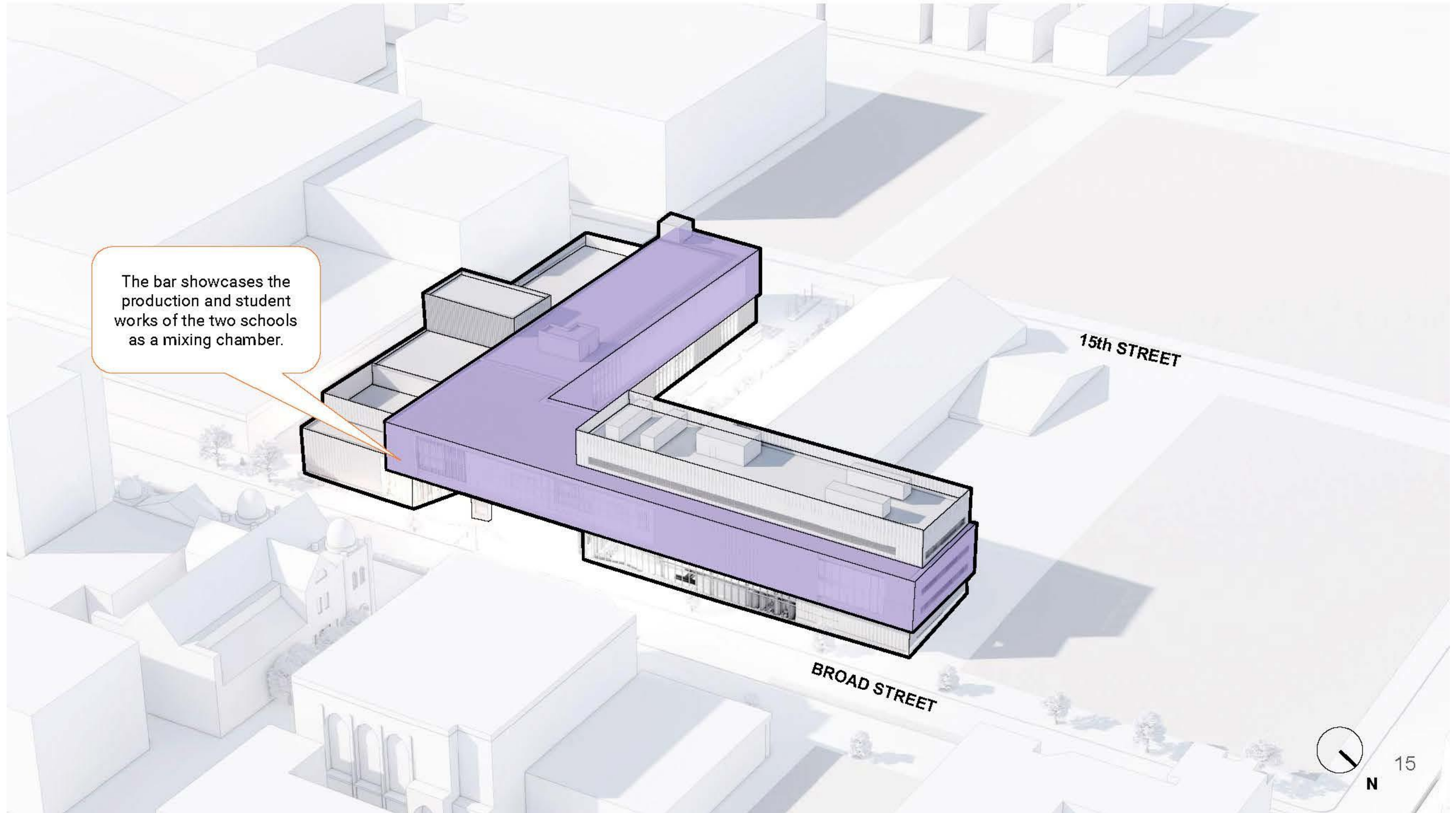
An Expanded Pedestrian Walk





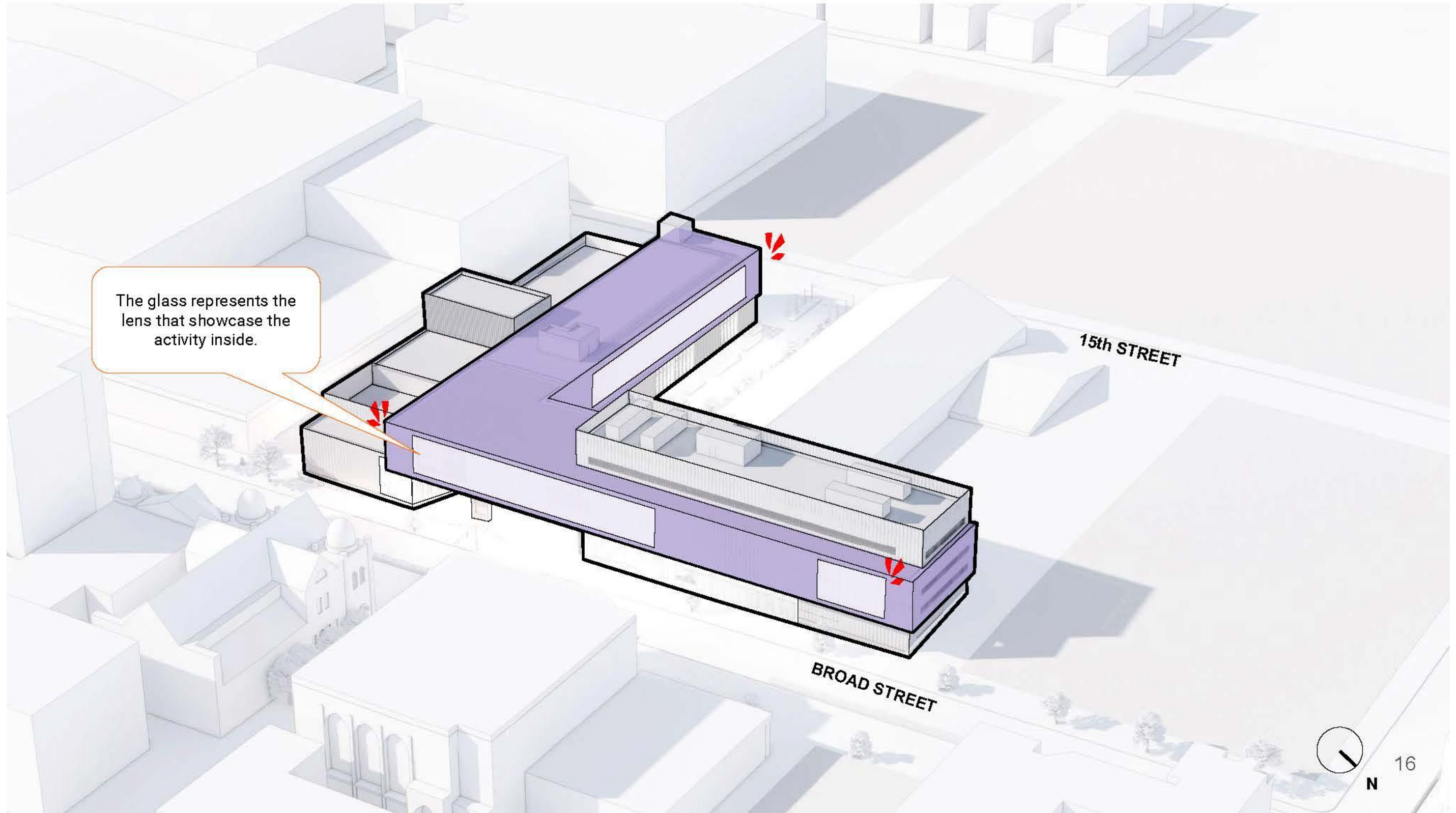
# Massing Concepts

A mixing Chamber



# Massing Concepts

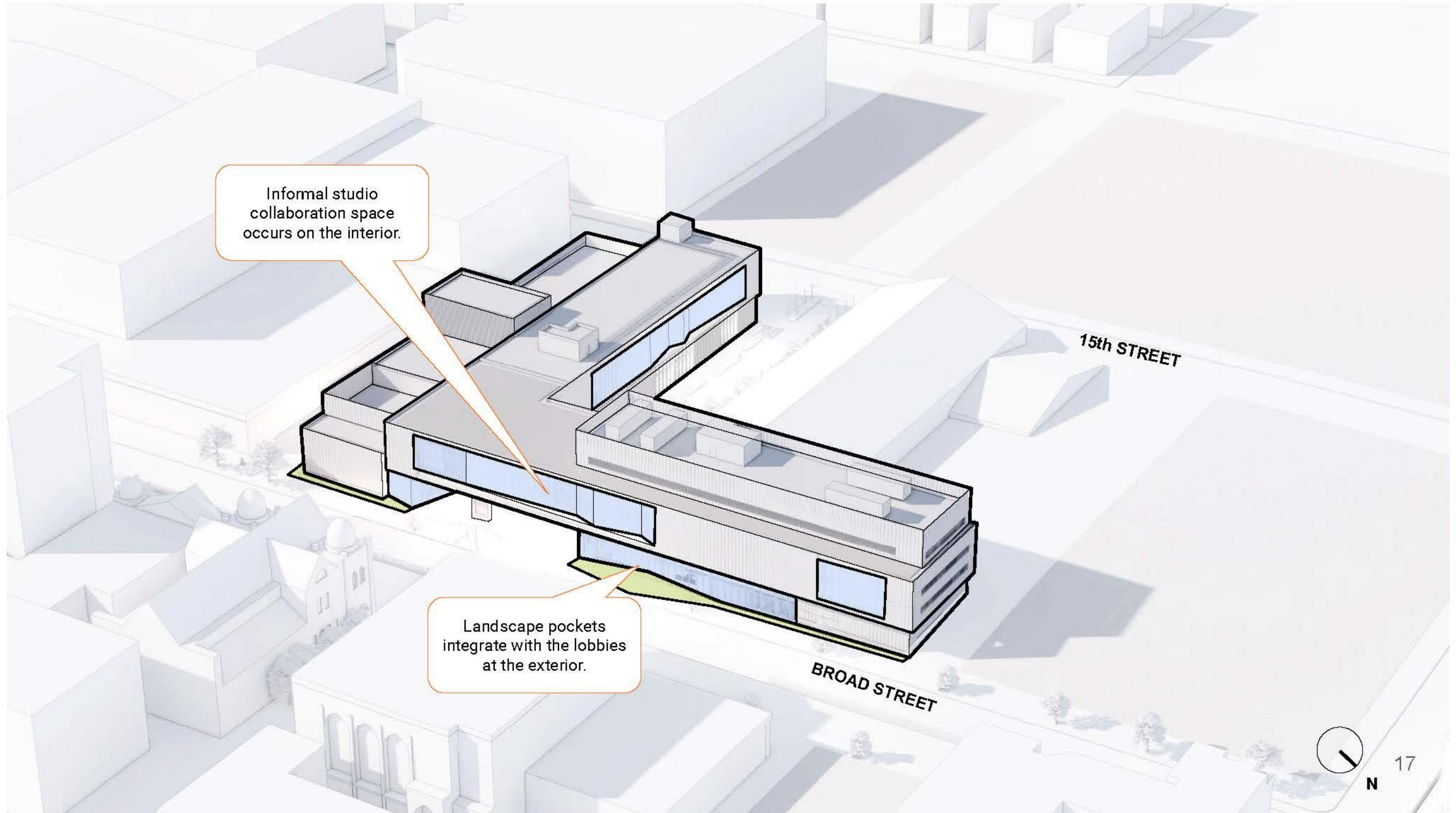
A mixing Chamber



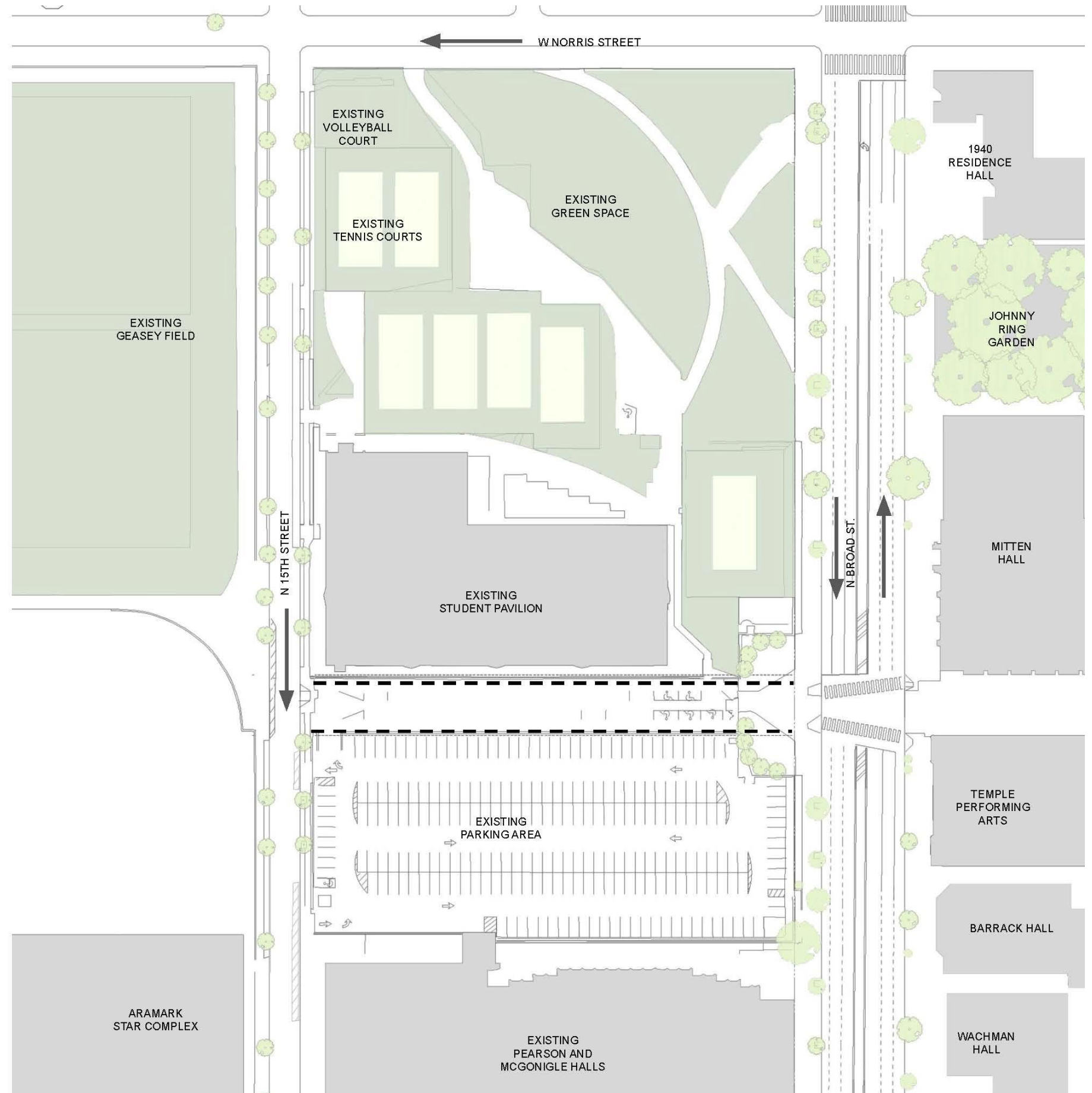


# Massing Concepts

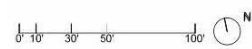
A mixing Chamber



# Site Plan - Existing



- EXISTING BUILDINGS
- UTILITIES EASEMENT
- EXISTING GREEN & SPORTS AREA



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# Site Plan - Proposed



- NEW BUILDINGS
- IMAGINARY PROPERTY LINE
- UTILITIES EASEMENT
- SUBSURFACE STORMWATER TANK



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ARAMARK  
 STAR COMPLEX

EXISTING  
 PEARSON AND  
 MCGONIGLE HALLS

WACHMAN  
 HALL 19



# Site Plan - Proposed

Pedestrian and Bicycle Access

-  NEW BUILDINGS
-  PEDESTRIAN ACCESS
-  SHARROW
-  BUILDING ENTRANCE



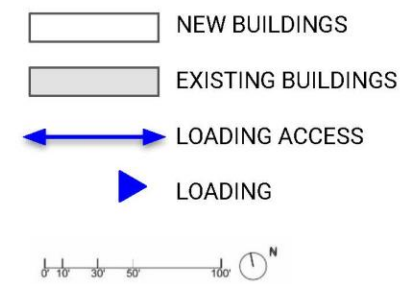
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# Site Plan - Proposed

Loading Access



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# Site Plan - Proposed

Enlarged



--- IMAGINARY PROPERTY LINE



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# Ground Floor Plan - Proposed

- CPCA
- KLEIN
- SHARED
- BOH/MEP














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# Site + Landscape

## Landscape Plan

-  NEW BUILDINGS
-  BRICK UNIT PAVING
-  UNIT PAVING
-  STONE FINES PAVING
-  CIP CONCRETE PAVING
-  LAWN
-  PLANTING
-  EXISTING STREET TREE
-  PROPOSED SHADE TREE
-  PROPOSED ORNAMENTAL TREE
-  SALVAGED STACKED STONE
-  PLATFORM SEATING
-  SEAT WALL ELEMENTS
-  MOVEABLE TABLES AND CHAIRS



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ARAMARK  
 STAR COMPLEX

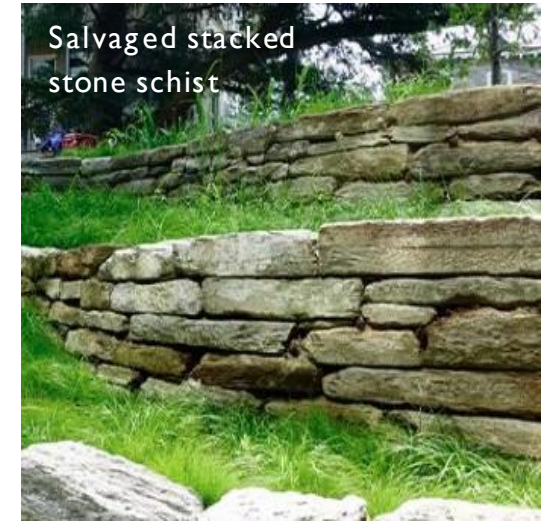
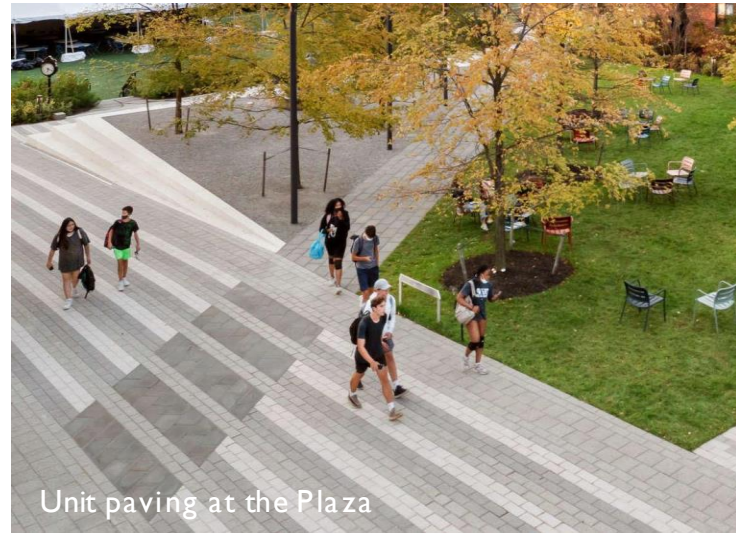
EXISTING  
 PEARSON AND  
 MCGONIGLE HALLS

WACHMAN HALL 24



# Site + Landscape

Materials Palette

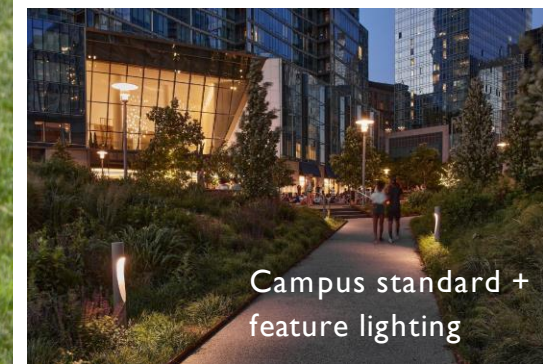
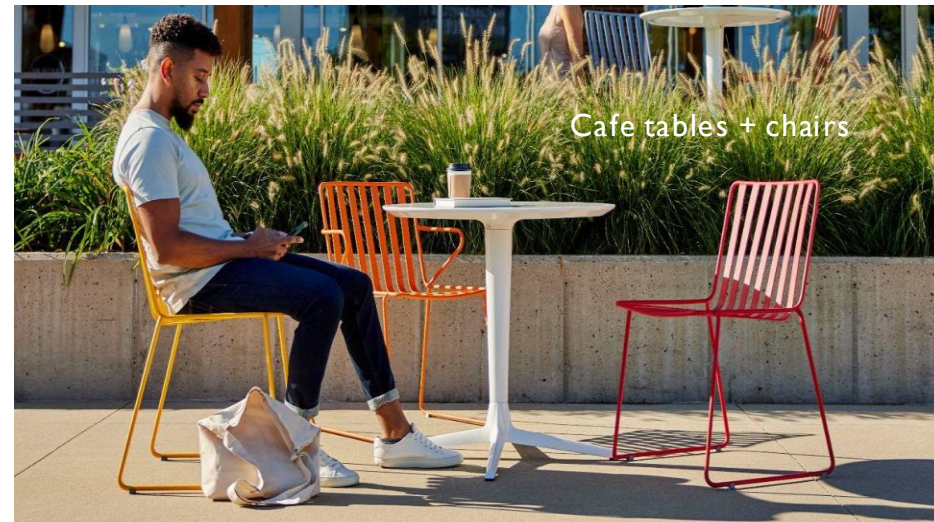


Site Paving + Materials



# Site + Landscape

Site Furnishings Palette

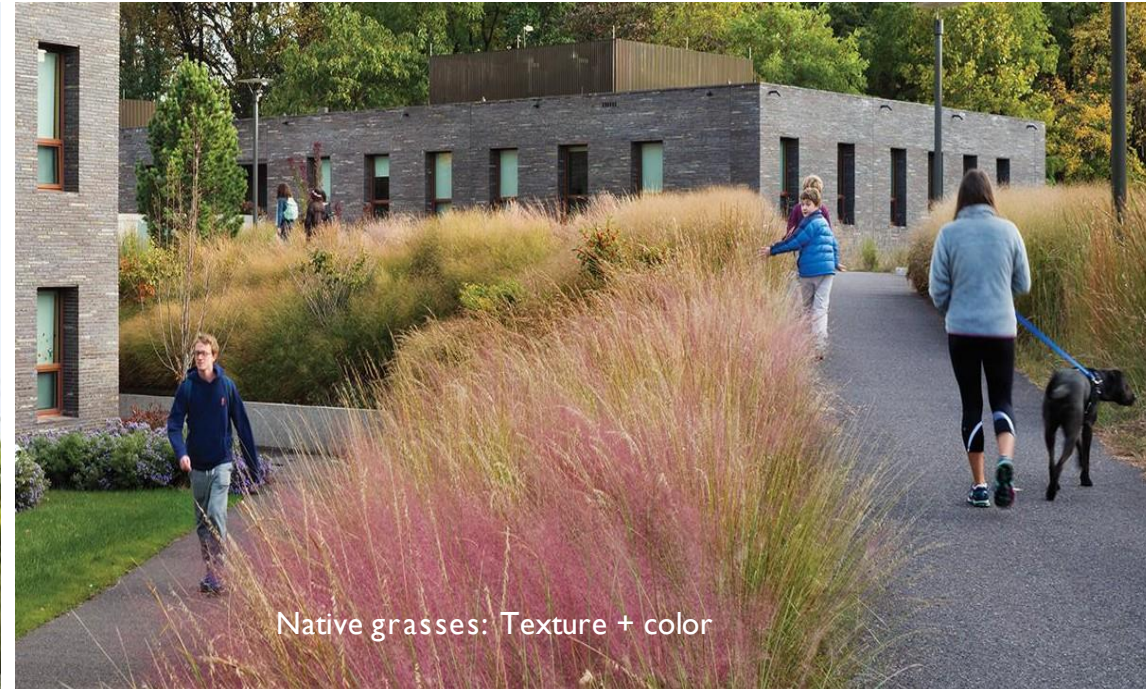


A variety of site furnishings for study + socializing + rest



# Site + Landscape

## Plant Palette

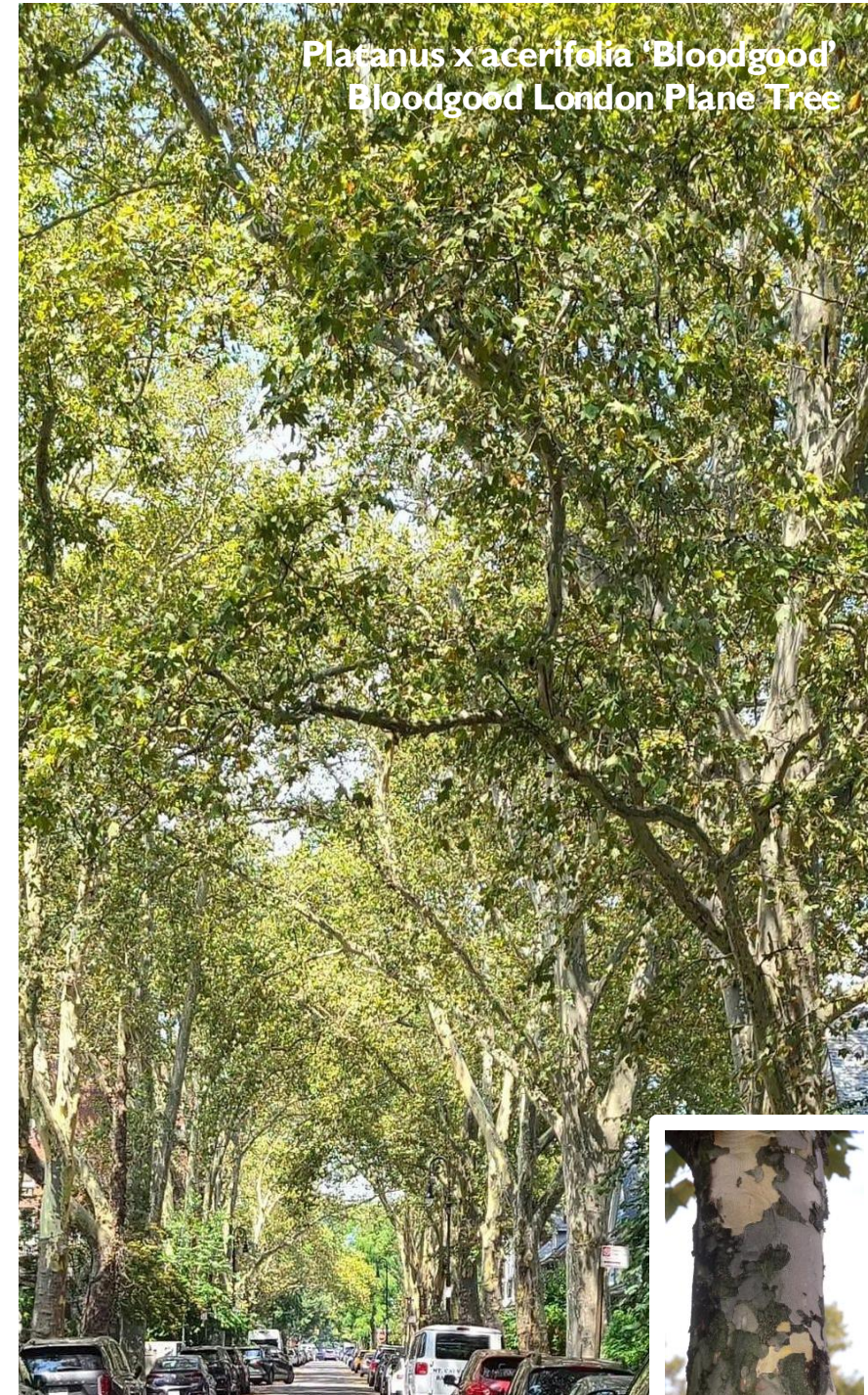


Plant Palette Inspiration - Accommodating sun to shade, seasonal interest and color, with a focus on native + adapted natives.



# Site + Landscape

Tree Palette

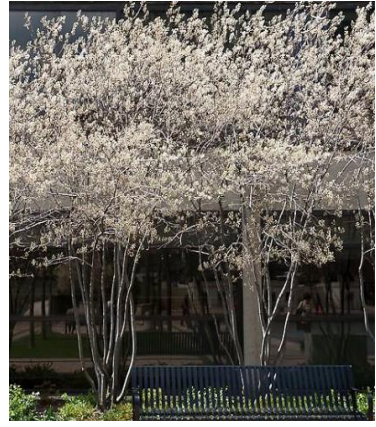


Tree selection is composed of mainly natives with a variety of flowering, textural, and seasonal differences. Adapted native flowering magnolias are highlighted throughout the site.



# Site + Landscape

Tree Palette



*Carpinus betulus* 'Frans Fontaine'  
Frans Fontaine fastigate Hornbeam



*Amelanchier grandiflora* 'Autumn Brilliance'  
Autumn Brilliance Serviceberry



*Magnolia virginiana*  
Sweetbay magnolia



*Cladrastis kentukea*  
Yellowwood



Tree selection is composed of mainly natives with a variety of flowering, textural, and seasonal differences.



# Existing Site Aerial

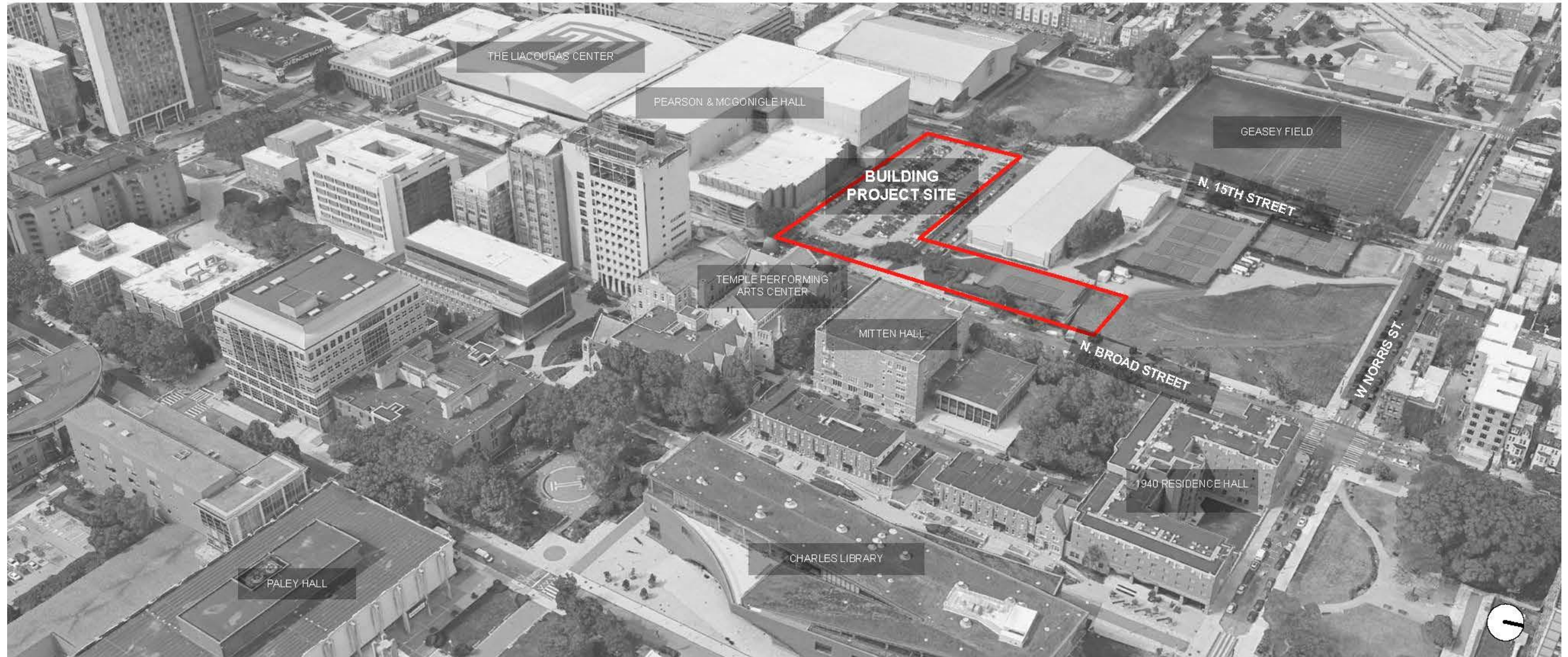
Plan View





# 3D Massing

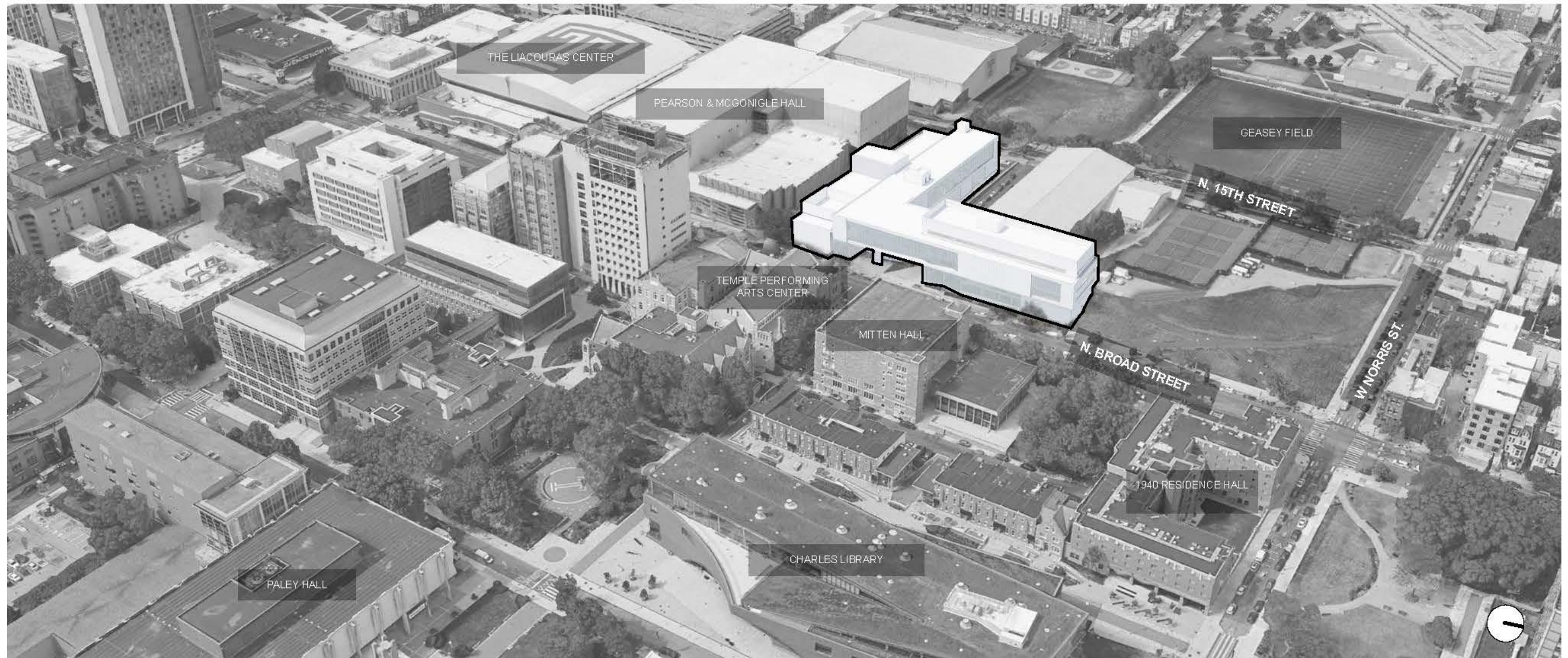
Aerial View Looking SW - Existing





# 3D Massing

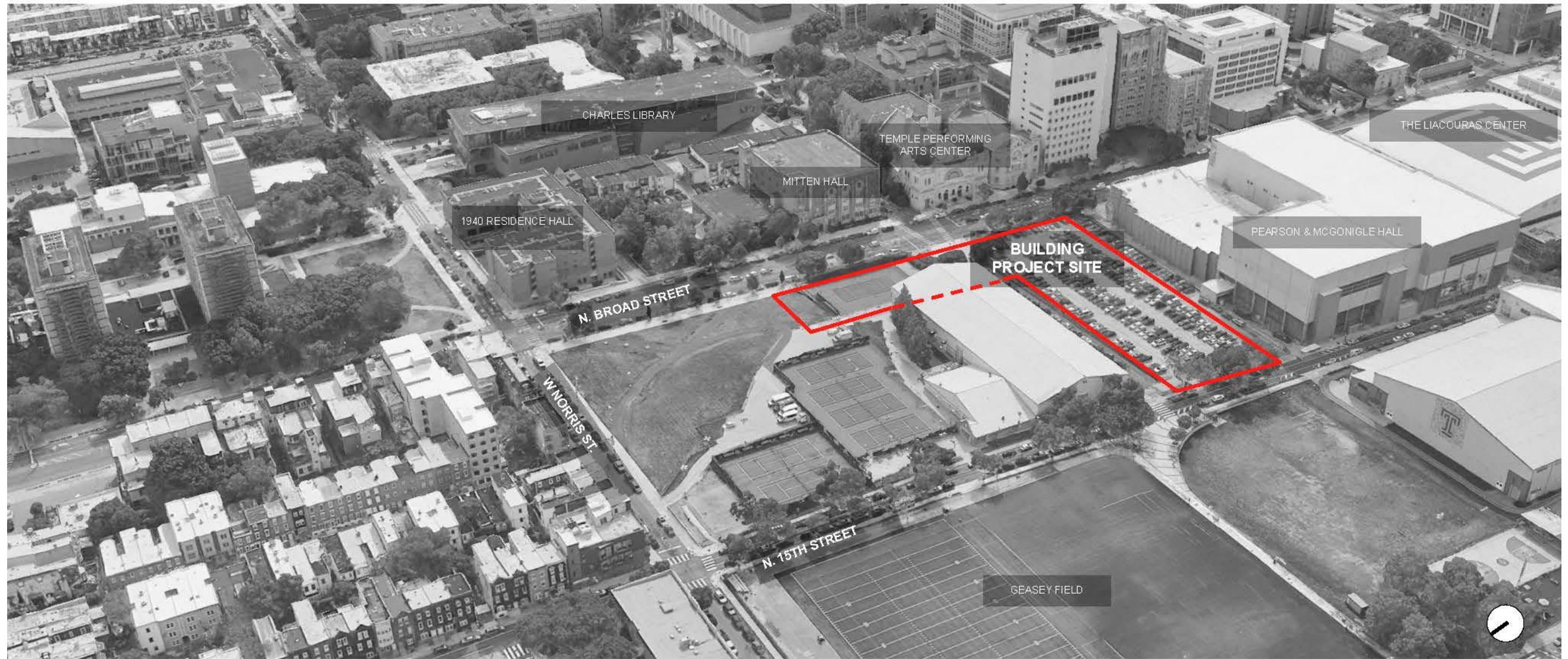
Aerial View Looking SW - Proposed





# 3D Massing

Aerial View Looking SE - Existing





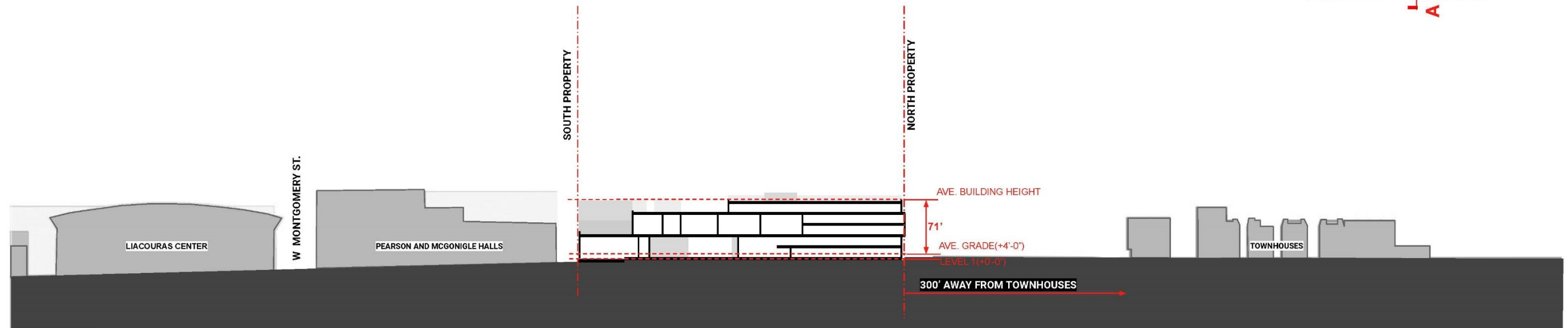
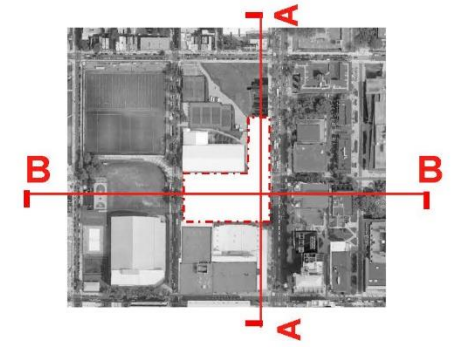
# 3D Massing

Aerial View Looking SE - Proposed

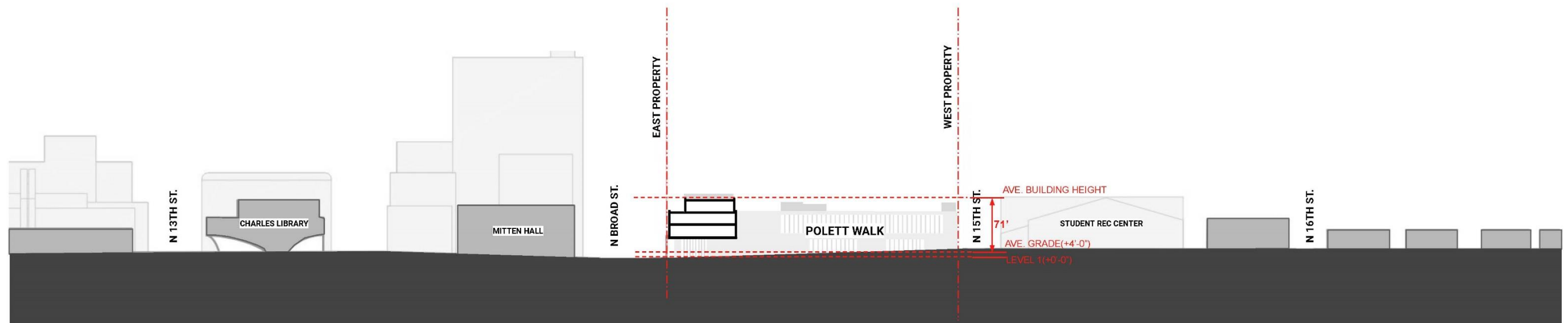




# Site Sections



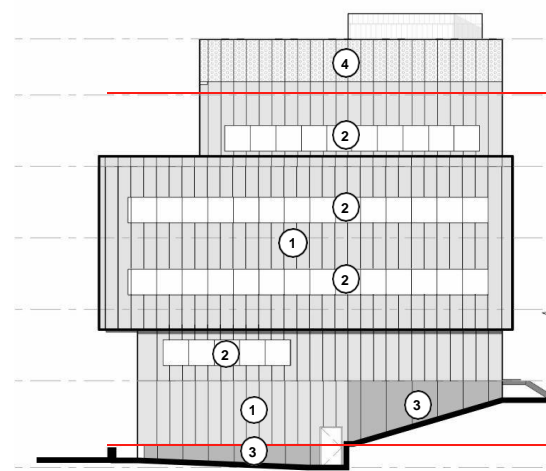
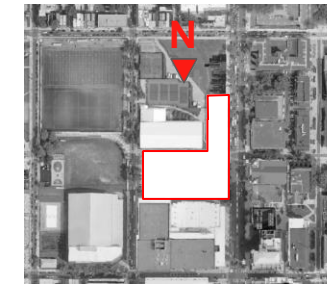
SECTION A: NS SECTION LOOKING WEST



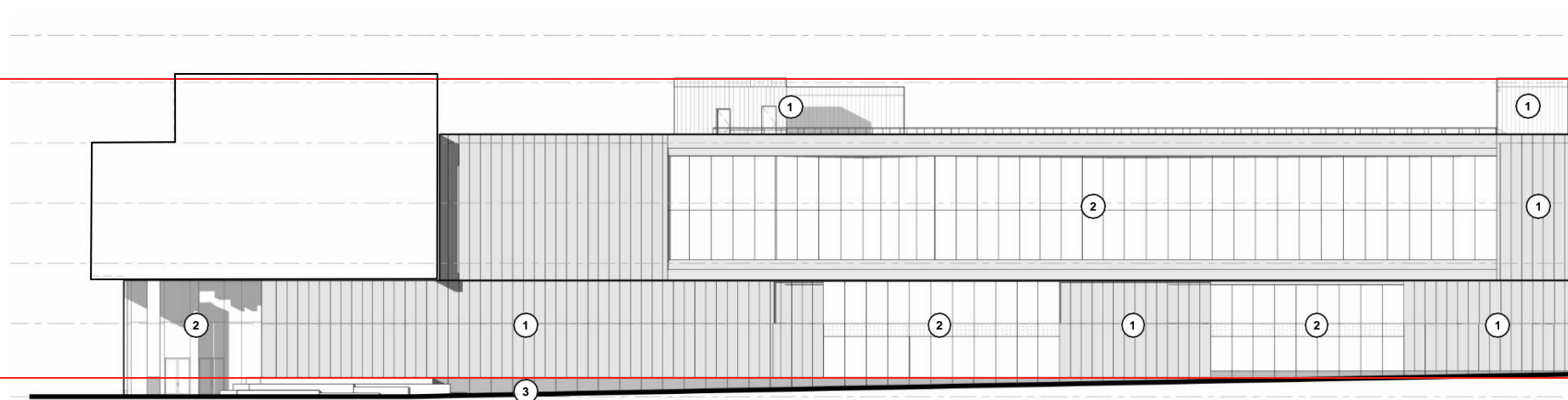
SECTION B: EW SECTION LOOKING SOUTH



# Elevations



**NORTH ELEVATION**



**NORTH ELEVATION(POLETT WALK)**

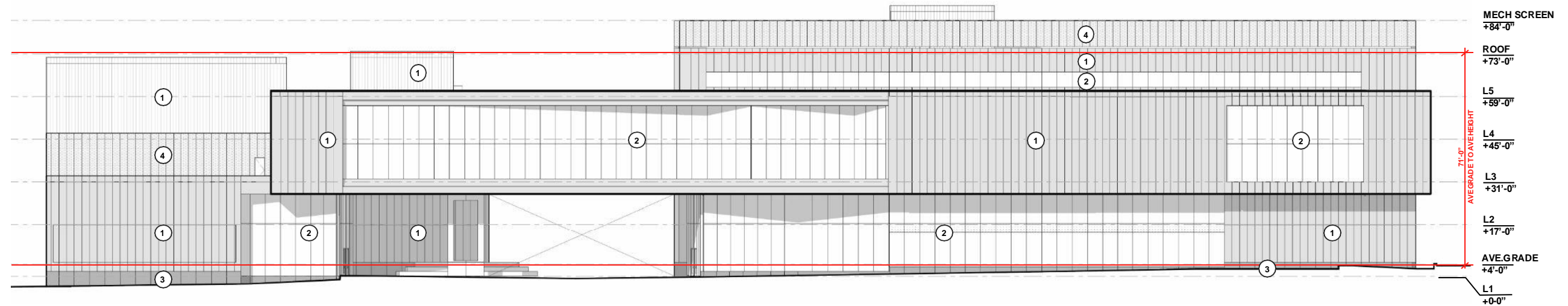
MECH SCREEN	+84'-0"
ROOF	+73'-0"
L5	+59'-0"
L4	+45'-0"
L3	+31'-0"
L2	+17'-0"
AVE.GRADE	+4'-0"
L1	+0'-0"

**MATERIAL LEGEND**

- 1. METAL PANEL
- 2. GLAZING
- 3. STONE CLADDING
- 4. MECH. SCREEN



# Elevations



**EAST ELEVATION (FACING N. BROAD ST)**

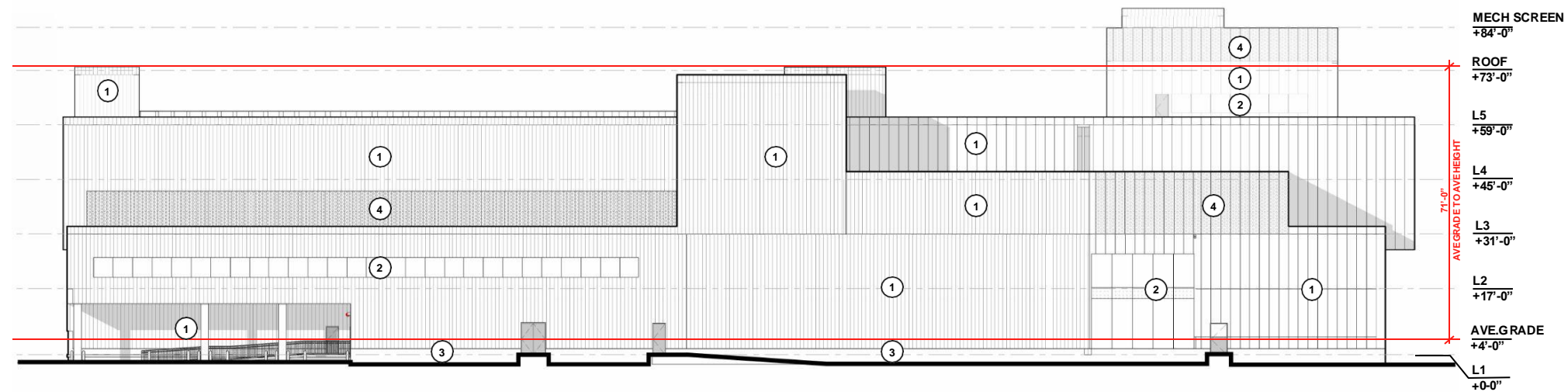
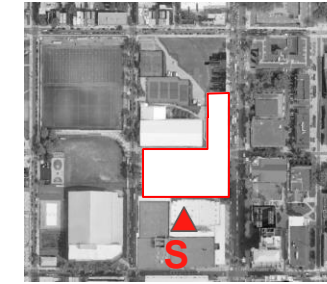


**MATERIAL LEGEND**

- 1. METAL PANEL
- 2. GLAZING
- 3. STONE CLADDING
- 4. MECH. SCREEN



# Elevations



**SOUTH ELEVATION**

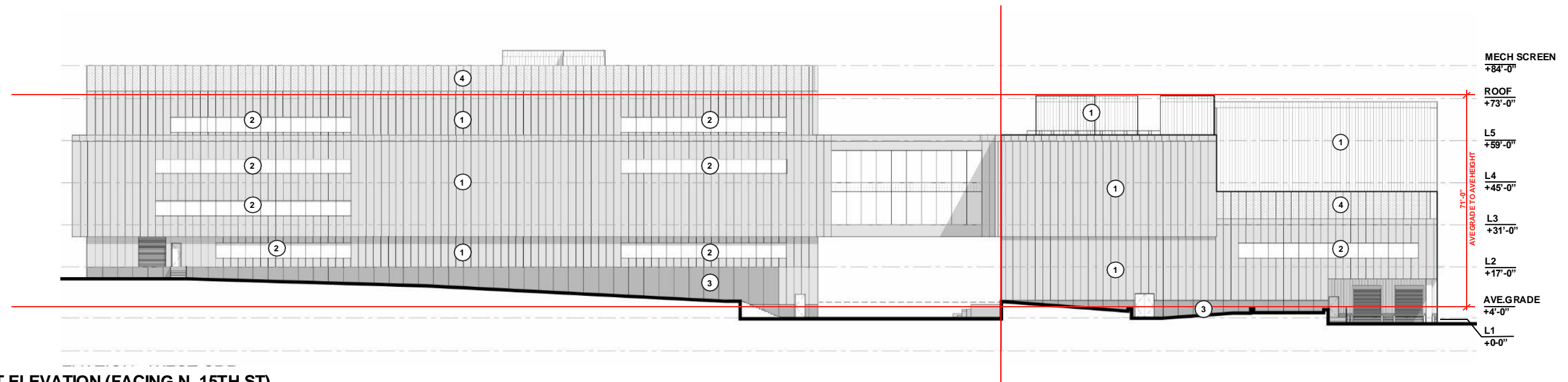
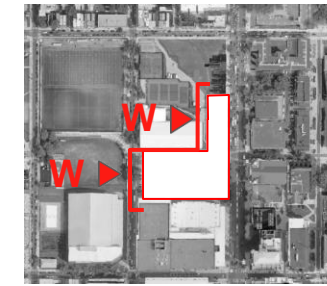


**MATERIAL LEGEND**

-  1. METAL PANEL
-  2. GLAZING
-  3. STONE CLADDING
-  4. MECH. SCREEN



# Elevations



WEST ELEVATION (FACING N. 15TH ST)



## MATERIAL LEGEND

- 1. METAL PANEL
- 2. GLAZING
- 3. STONE CLADDING
- 4. MECH. SCREEN



# Exterior Materiality

Existing Context

**SCALE**



**EXPANSIVE GLASS**



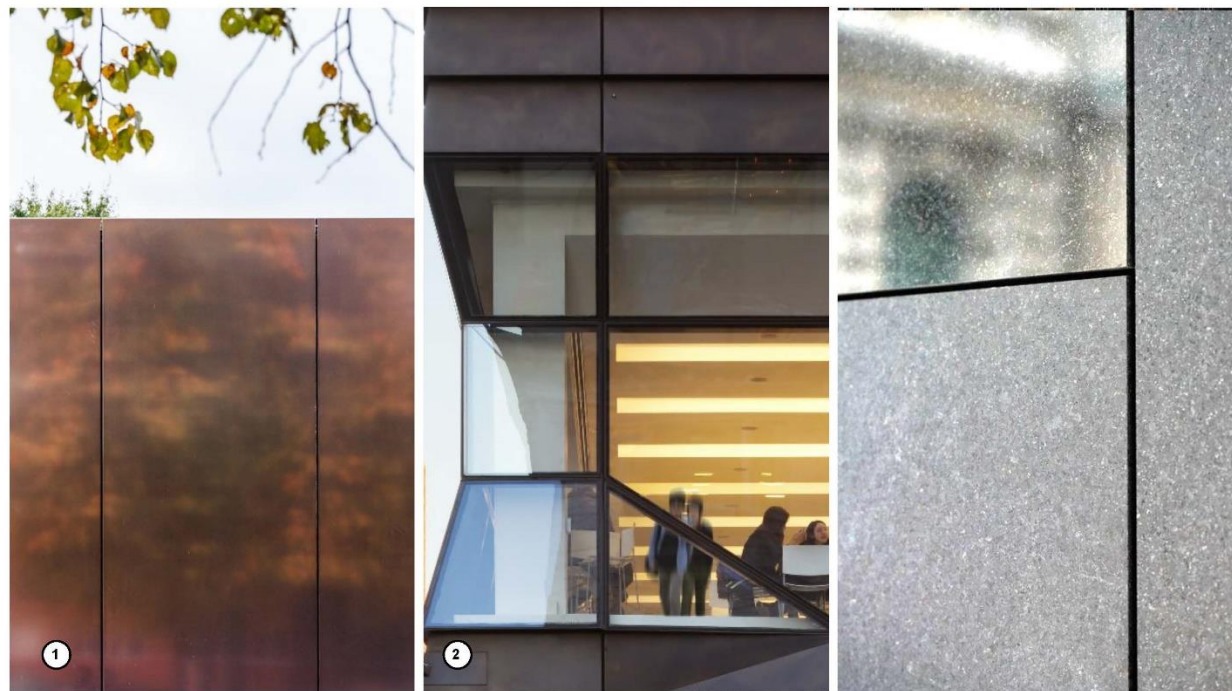
**WARM TONE MATERIALS**





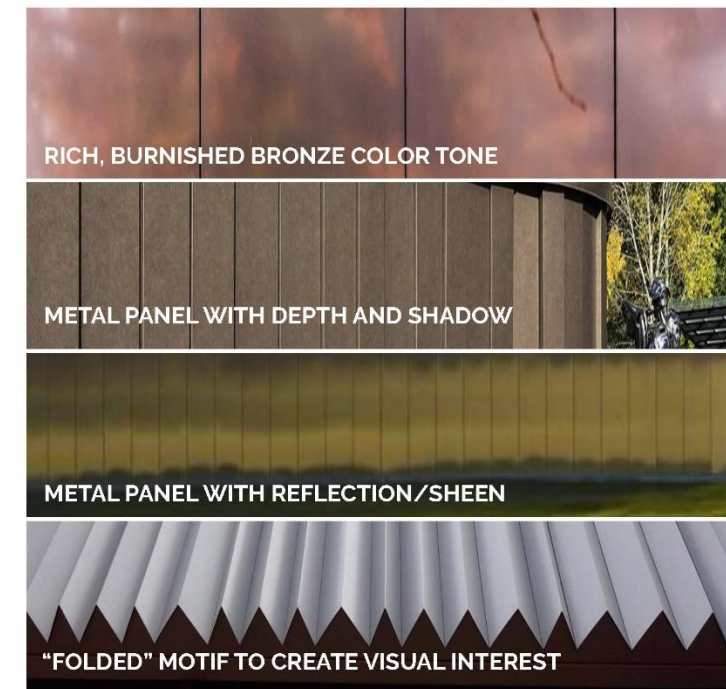
# Exterior Materiality

Proposed Materials



## PRECEDENT LEGEND

1. LARGE SCALE, WARM TONE METAL PANEL
2. SIGNATURE GLAZING
3. WARM TONE STONE CLADDING BASE



## METAL PANEL PRECEDENTS



# Exterior Renderings - Existing

View Looking North on N Broad St.





# Exterior Renderings - Proposed

View Looking North on N Broad St.





# Exterior Renderings - Existing

View Looking East on Polett Walk





# Exterior Renderings - Proposed

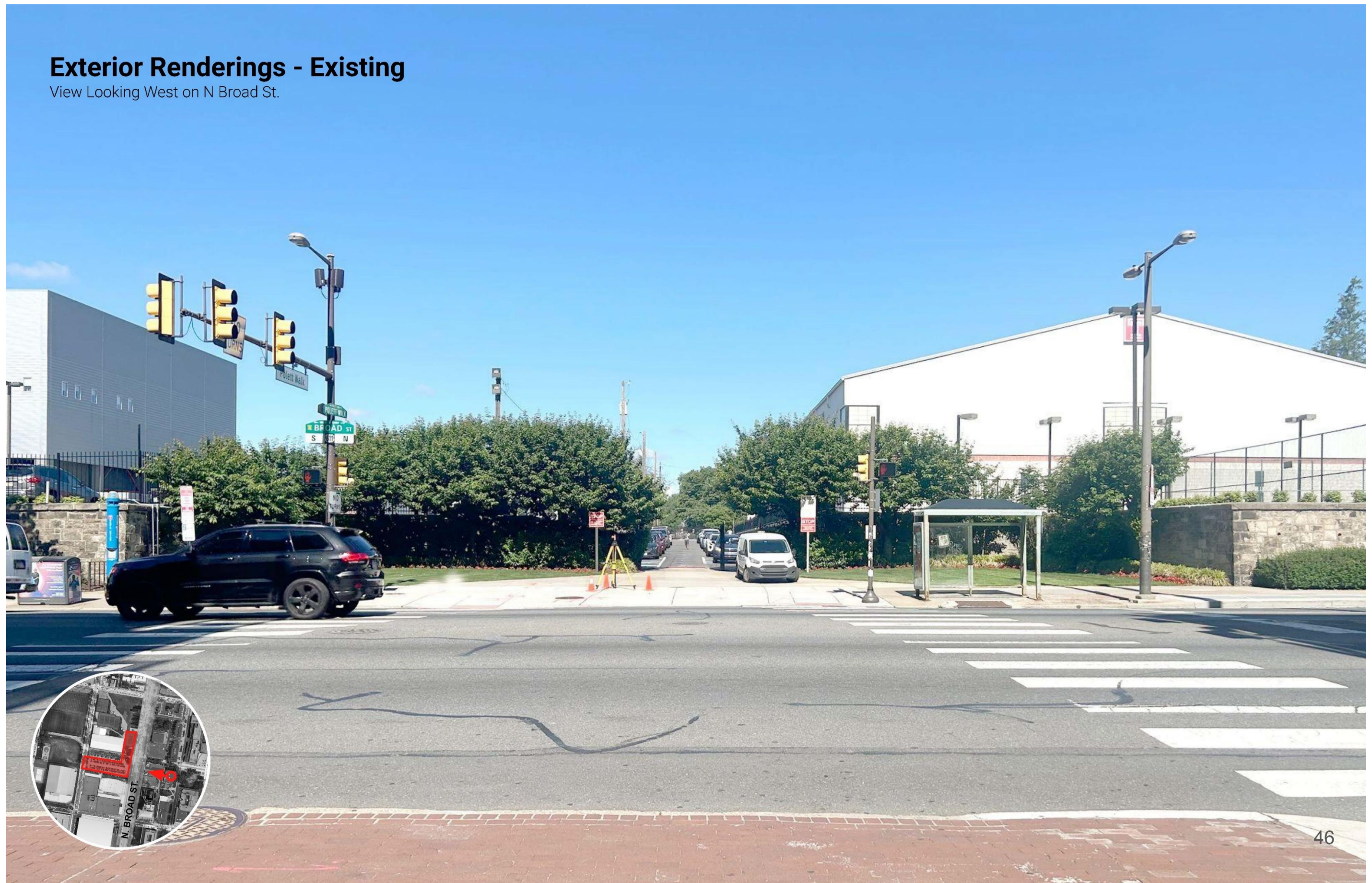
View Looking East on Polett Walk





# Exterior Renderings - Existing

View Looking West on N Broad St.





# Exterior Renderings - Proposed

View Looking West on N Broad St.





## Appendix

1. Zoning Site Plan
2. Site Survey
3. Open Streets Checklist
4. Sustainability Checklist







**Civic Design Review Sustainable Design Checklist**

Sustainable design represents important city-wide concerns about environmental conservation and energy use. Development teams should try to integrate elements that meet many goals, including:

- Reuse of existing building stock
- Incorporation of existing on-site natural habitats and landscape elements
- Inclusion of high-performing stormwater control
- Site and building massing to maximize daylight and reduce shading on adjacent sites
- Reduction of energy use and the production of greenhouse gases
- Promotion of reasonable access to transportation alternatives

The Sustainable Design Checklist asks for responses to specific benchmarks. These metrics go above and beyond the minimum requirements in the Zoning and Building codes. All benchmarks are based on adaptations from Leadership in Energy and Environmental Design (LEED) v4 unless otherwise noted.

Categories	Benchmark	Does project meet benchmark? If yes, please explain how. If no, please explain why not.
<b>Location and Transportation</b>		
(1) Access to Quality Transit	Locate a functional entry of the project within a ¼-mile (400-meter) walking distance of existing or planned bus, streetcar, or rideshare stops, bus rapid transit stops, light or heavy rail stations.	The project site is located within 0.25 mile walking distance and easily accessible from existing subway station and bus stops.
(2) Reduced Parking Footprint	All new parking areas will be in the rear yard of the property or under the building, and unenclosed or uncovered parking areas are 40% or less of the site area.	N/A, there are no new proposed parking areas.
(3) Green Vehicles	Designate 5% of all parking spaces used by the project as preferred parking for green vehicles or car share vehicles. Clearly identify and enforce for sole use by car share or green vehicles, which include plug-in electric vehicles and alternative fuel vehicles.	N/A, there are no new proposed parking areas.
(4) Railway Setbacks (Excluding frontages facing trolleys/light rail or enclosed subsurface rail lines or subways)	To foster safety and maintain a quality of life protected from excessive noise and vibration, residential development with railway frontages should be setback from rail lines and the building’s exterior envelope, including windows, should reduce exterior sound transmission to 60dBA. <b>(If setback used, specify distance)</b>	N/A, this is not a residential development.
(5) Bike Share Station	Incorporate a bike share station in coordination with and conformance to the standards of Philadelphia Bike Share.	Temple has multiple Indego Bike Share locations a short distance from the site. Temple is open to adding more if requested, but Temple will be adding additional bike parking spaces beyond minimum requirements.



Civic Sustainable Design Checklist – Updated September 3, 2019

Water Efficiency		
(6) Outdoor Water Use	Maintain on-site vegetation without irrigation. OR, Reduce of watering requirements at least 50% from the calculated baseline for the site's peak watering month.	The project reduces its landscape water requirements by 76% from the calculated baseline for the site's peak water month. Reductions are calculated using the EPA WaterSense Water Budget Tool.
Sustainable Sites		
(7) Pervious Site Surfaces	Provides vegetated and/or pervious open space that is 30% or greater of the site's Open Area, as defined by the zoning code. Vegetated and/or green roofs can be included in this calculation.	Based on current design, the open space will exceed the 30% credit threshold.
(8) Rainwater Management	Conform to the stormwater requirements of the Philadelphia Water Department(PWD) and either: A) Develop a green street and donate it to PWD, designed and constructed in accordance with the PWD Green Streets Design Manual, OR B) Manage additional runoff from adjacent streets on the development site, designed and constructed in accordance with specifications of the PWD Stormwater Management Regulations	Project is managing stormwater in accordance with PWD Stormwater Management Regulation. Based on infiltration test conducted on the site, the project is now pursuing subsurface infiltration at certain locations in addition to managing stormwater runoff through ~8,500 sf of green roof and subsurface detention tanks.
(9) Heat Island Reduction (excluding roofs)	Reduce the heat island effect through either of the following strategies for 50% or more of all on-site hardscapes: A) Hardscapes that have a high reflectance, an SRI>29. B) Shading by trees, structures, or solar panels.	Project will reduce heat island effect through a combination of strategies; high-albedo materials at roof, high SRI pavers at hardscape, and additional shading by trees.
Energy and Atmosphere		
(10) Energy Commissioning and Energy Performance - Adherence to the New Building Code	PCPC notes that as of April 1, 2019 new energy conservation standards are required in the Philadelphia Building Code, based on recent updates of the International Energy Conservation Code (IECC) and the option to use ASHRAE 90.01-2016. PCPC staff asks the applicant to state which path they are taking for compliance, including their choice of code and any options being pursued under the 2018 IECC. <sup>ii</sup>	The project plans to pursue the 2018 IECC compliance path per code. The LEED energy model will pursue ASHRAE 90.01-2016
(11) Energy Commissioning and Energy Performance - Going beyond the code	Will the project pursue energy performance measures beyond what is required in the Philadelphia code by meeting any of these benchmarks? <sup>iii</sup> <ul style="list-style-type: none"> <li>•Reduce energy consumption by achieving 10% energy savings or more from an established baseline using</li> </ul>	Project is pursuing additional energy performance measure through the following strategies: demand control ventilation and heat recovery enthalpy wheel at Theater and Cinema spaces, high-performance envelope with improved SHGC exceeding ASHRAE 90.1-2019, incorporating whole-building energy meters, and advanced energy submeter to understand building energy end uses.



Civic Sustainable Design Checklist – Updated September 3, 2019

	ASHRAE standard 90.1-2016 (LEED v4.1 metric). <ul style="list-style-type: none"> <li>●Achieve certification in Energy Star for Multifamily New Construction (MFNC).</li> <li>●Achieve Passive House Certification</li> </ul>	
(12) Indoor Air Quality and Transportation	Any sites within 1000 feet of an interstate highway, state highway, or freeway will provide air filters for all regularly occupied spaces that have a Minimum Efficiency Reporting Value (MERV) of 13. Filters shall be installed prior to occupancy. <sup>iv</sup>	Supply AHUs include MERV 8 pre-filters and MERV 14 final filters.
(13) On-Site Renewable Energy	Produce renewable energy on-site that will provide at least 3% of the project's anticipated energy usage.	Design team is evaluating on-site renewable energy.
<b>Innovation</b>		
(14) Innovation	Any other sustainable measures that could positively impact the public realm.	Beyond LEED, the project is implementing building standards that place emphasis on human health and well-being by pursuing WELL certification. Expanded pedestrian public sidewalk along Broad St. and landscaped walkways, potential rain gardens, and site furnishings along the Polett Walk expansion.

<sup>i</sup> Railway Association of Canada (RAC)'s "Guidelines for New Development in Proximity to Railway Operations. Exterior Sound transmission standard from LEED v4, BD+C, Acoustic Performance Credit.

<sup>ii</sup> Title 4 The Philadelphia Building Construction and Occupancy Code  
 See also, "The Commercial Energy Code Compliance" information sheet:  
<https://www.phila.gov/li/Documents/Commercial%20Energy%20Code%20Compliance%20Fact%20Sheet--Final.pdf>  
 and the "What Code Do I Use" information sheet:  
<https://www.phila.gov/li/Documents/What%20Code%20Do%20I%20Use.pdf>

<sup>iii</sup> LEED 4.1, Optimize Energy Performance in LEED v4.1  
 For Energy Star: [www.energystar.gov](http://www.energystar.gov)  
 For Passive House, see [www.phius.org](http://www.phius.org)

<sup>iv</sup> Section 99.04.504.6 "Filters" of the City of Los Angeles Municipal Code, from a 2016 Los Angeles Ordinance requiring enhanced air filters in homes near freeways



SOM