



# Somerville High School

Design Development: SHSBC



April 24, 2017

# Agenda

- Educational Programming Update
- Phasing and Enabling
- Exteriors & Site Design Working Group
  - Site Plan
  - Highland Avenue to Gilman Square
  - Roofscapes
  - Parking & Traffic
  - GLX Integration
- Exteriors Design Strategy
- Next Steps

# Design Development Phase: *about the presentation*

The new Somerville High School has entered a critical phase of design called Design Development or “DD”, during the next three months the High School Building Committee (HSBC) will review many different aspects of the SHS project – all based upon the preceding two year Feasibility Study.

The District staff, teachers and students will all be directly engaged as primary users but as the new school seeks to better connect 21<sup>st</sup> Century learning with the vibrancy of our community the public is encouraged to participate, comment and connect with their fellow citizens on the HSBC which also includes members of the School Committee and Board of Alderman.

The HSBC has formed numerous Working Groups to tackle specific technical and design components of the project and to assist the committee in the decision making required on this large complex project. The following slide show represents recent information presented at the HSBC’s 4/24/2017 public meeting, these slides should be considered as *DRAFT* - with final decisions ultimately recorded by vote in the HSBC’s minutes.

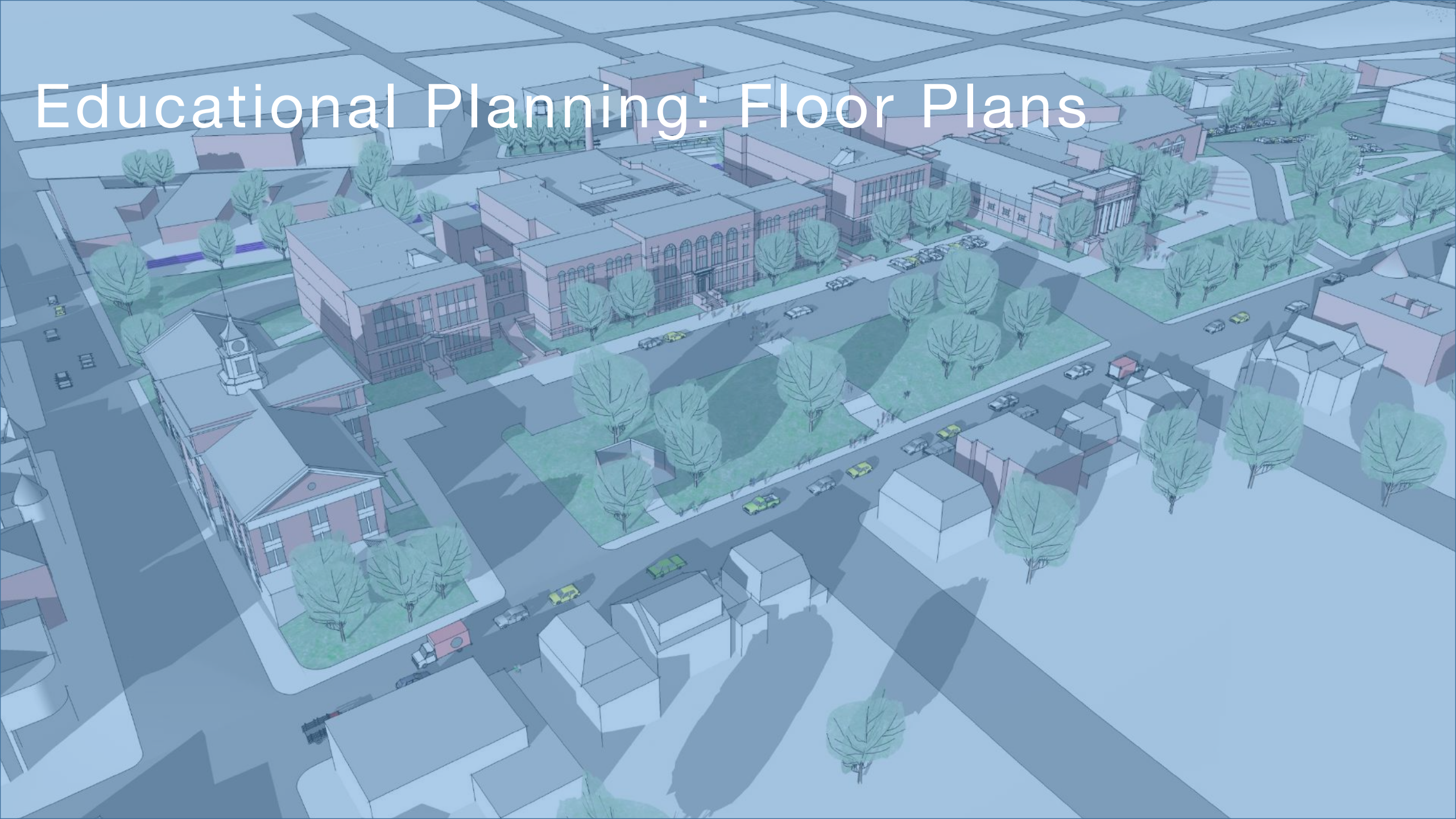
Members of the community are encouraged to reach out to the HSBC with any comments, questions or concerns regarding this exciting project that represents a significant opportunity for our children’s education but is also major civic facility that will serve all citizens of the City.

For more information, go to:  
[www.somervillema.gov/highschool/](http://www.somervillema.gov/highschool/)

Thank you!



# Educational Planning: Floor Plans





# 1<sup>st</sup> Floor Plan



# Lower Level Floor Plan





# 2<sup>nd</sup> Floor Plan



# 3<sup>rd</sup> Floor Plan





# 4<sup>th</sup> Floor Plan

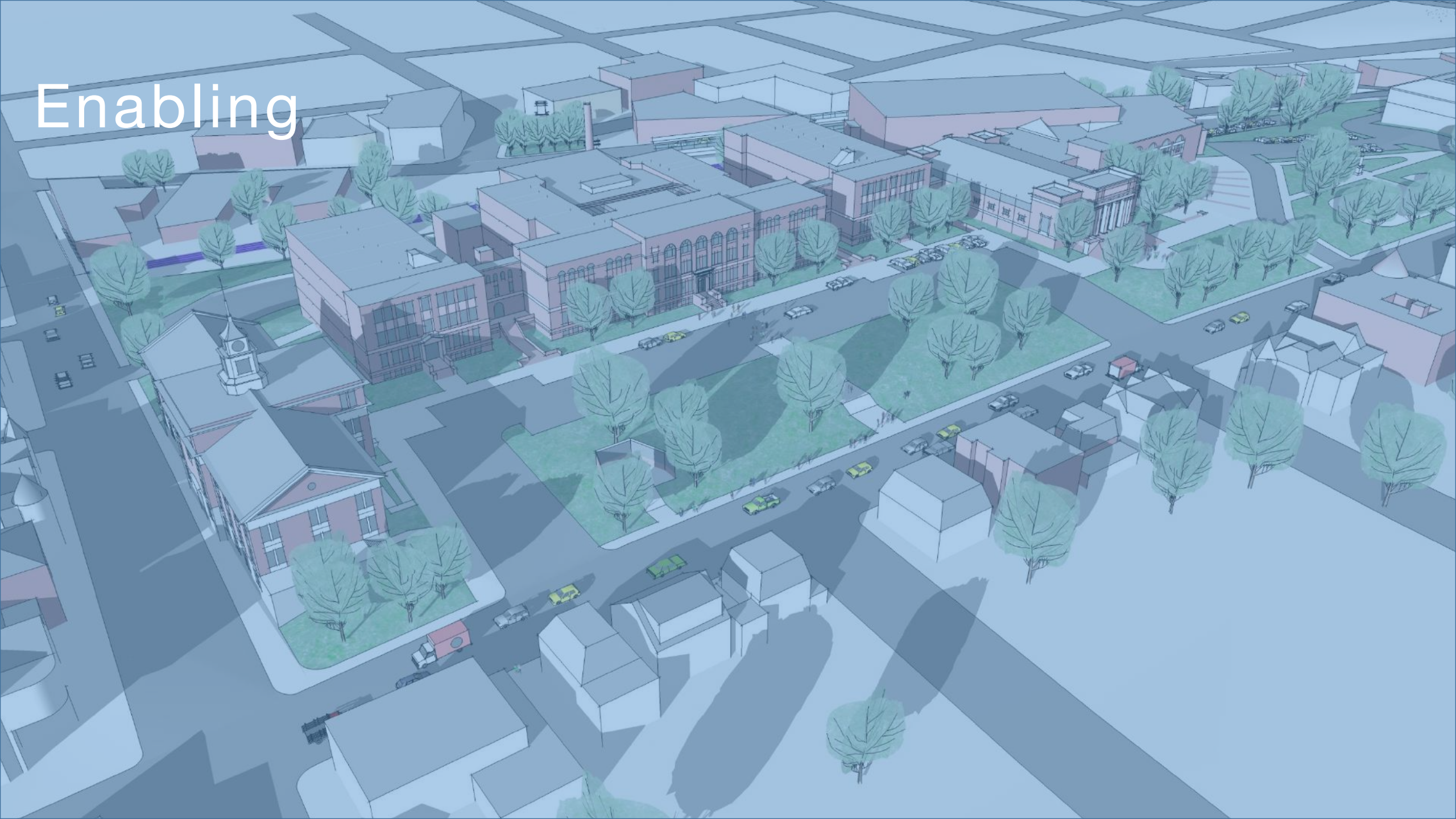


# 5<sup>th</sup> Floor Plan



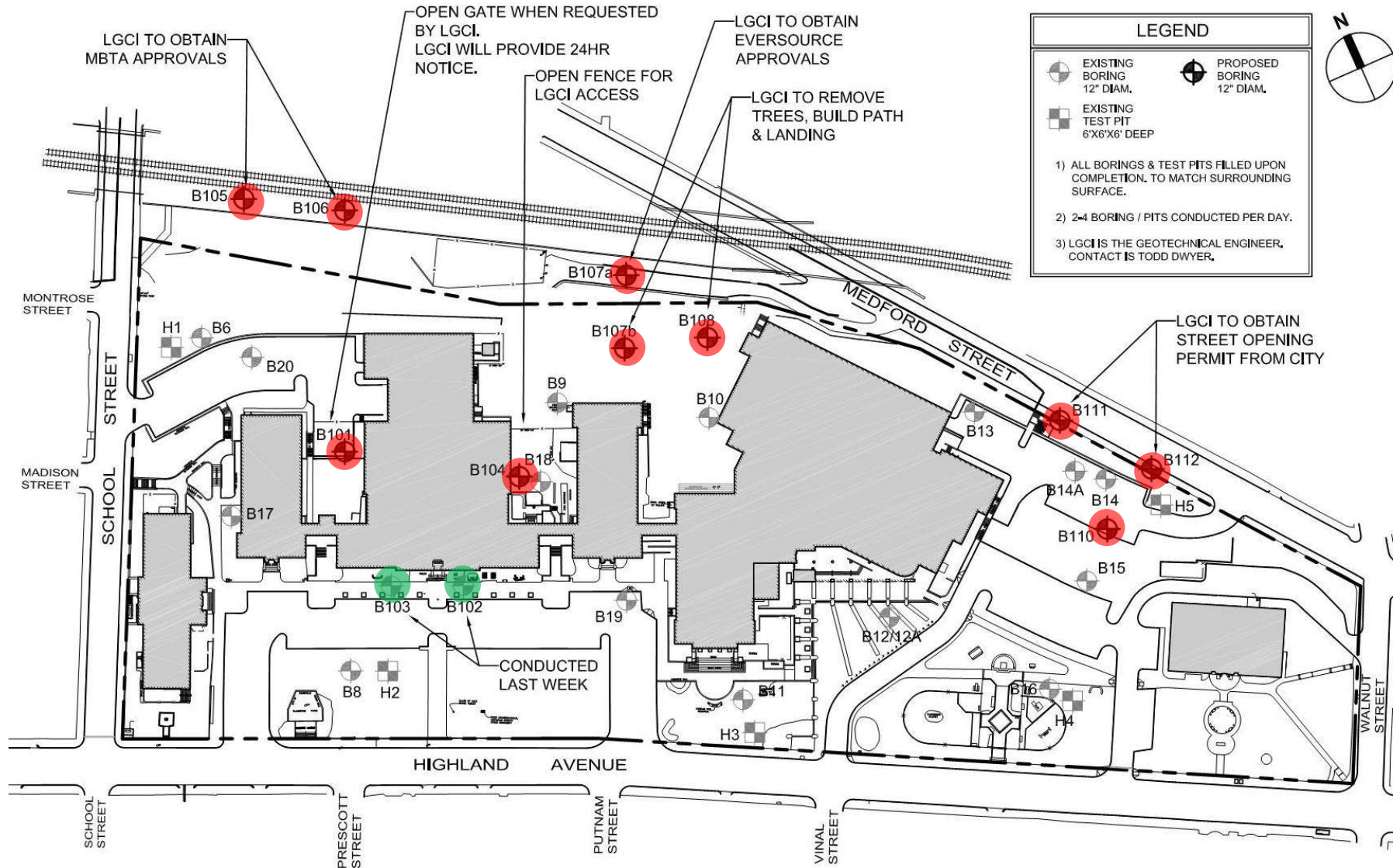


# Enabling





# SHS Boring Program: Ongoing Work





# Lower Level

## Summer 2017

### Enabling Plans



# Level One

## Summer 2017

### Enabling Plans



2 PLAN - LEVEL 1 - TEMP/COND - COLOR

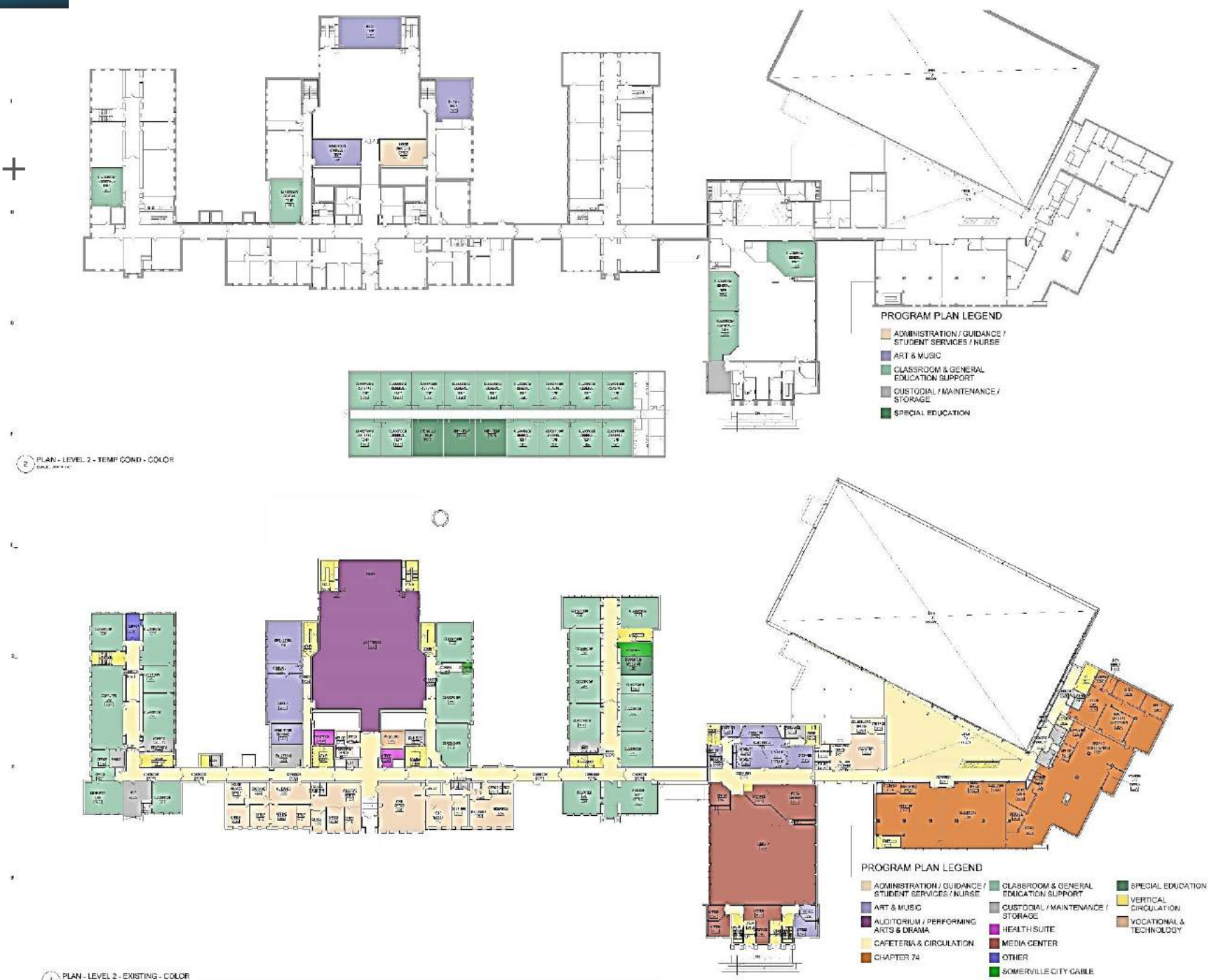


1 PLAN - LEVEL 1 - EXISTING - COLOR



# Level Two

Summer 2017  
Enabling Plans +  
2018 Modulares



# Level Three

## Summer 2017

### Enabling Plans

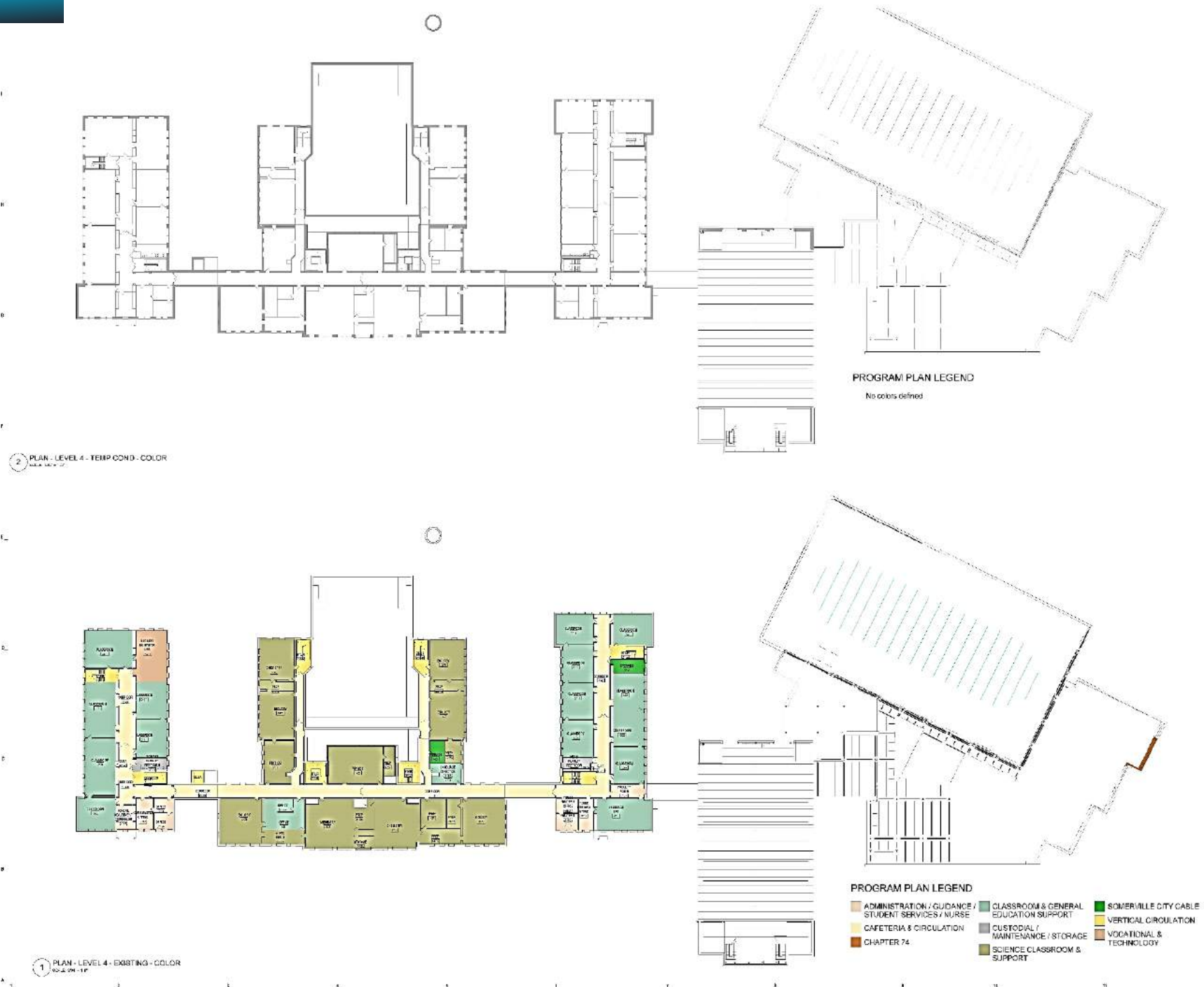




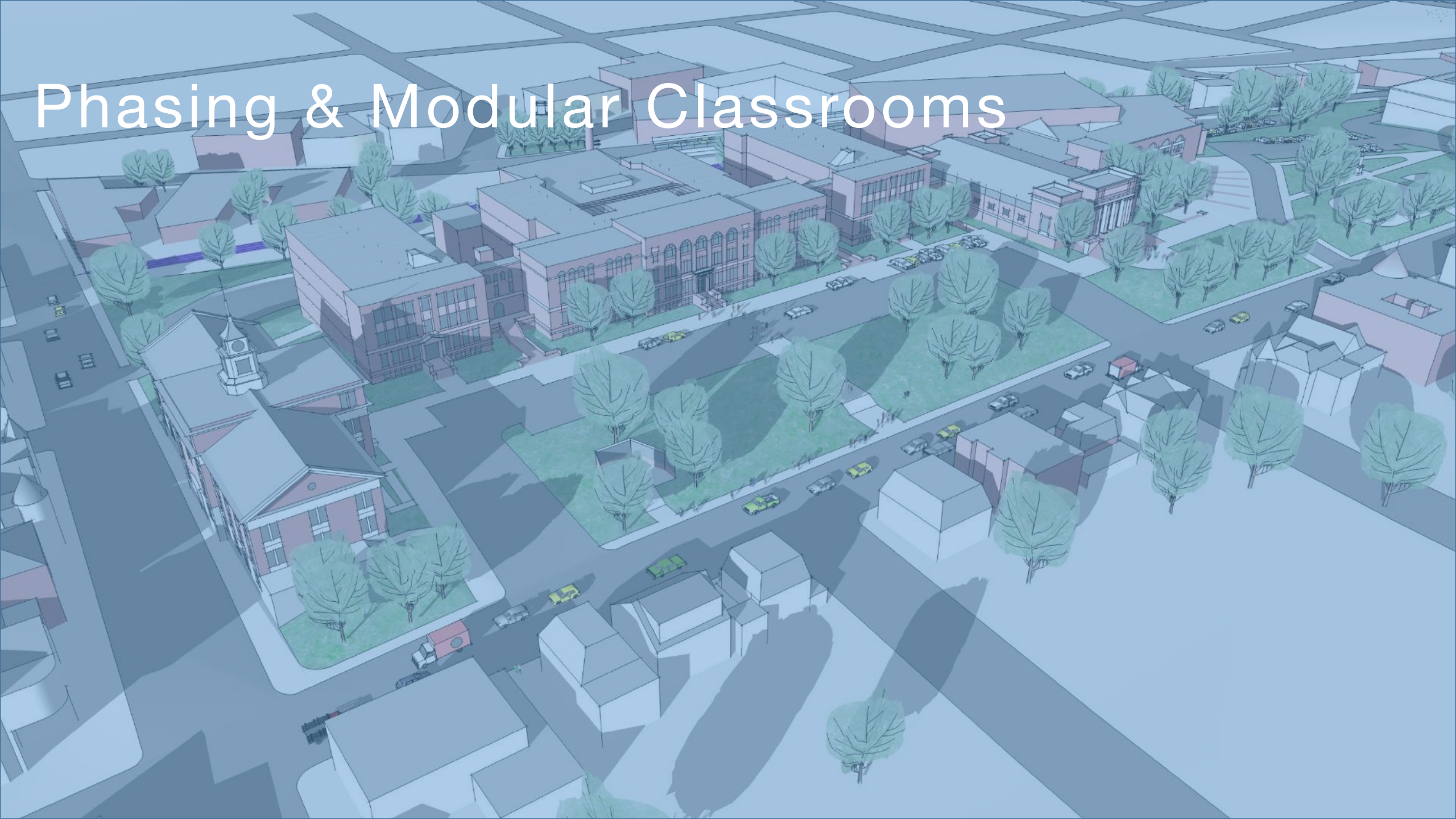
# Level Four

## Summer 2017

### Enabling Plans

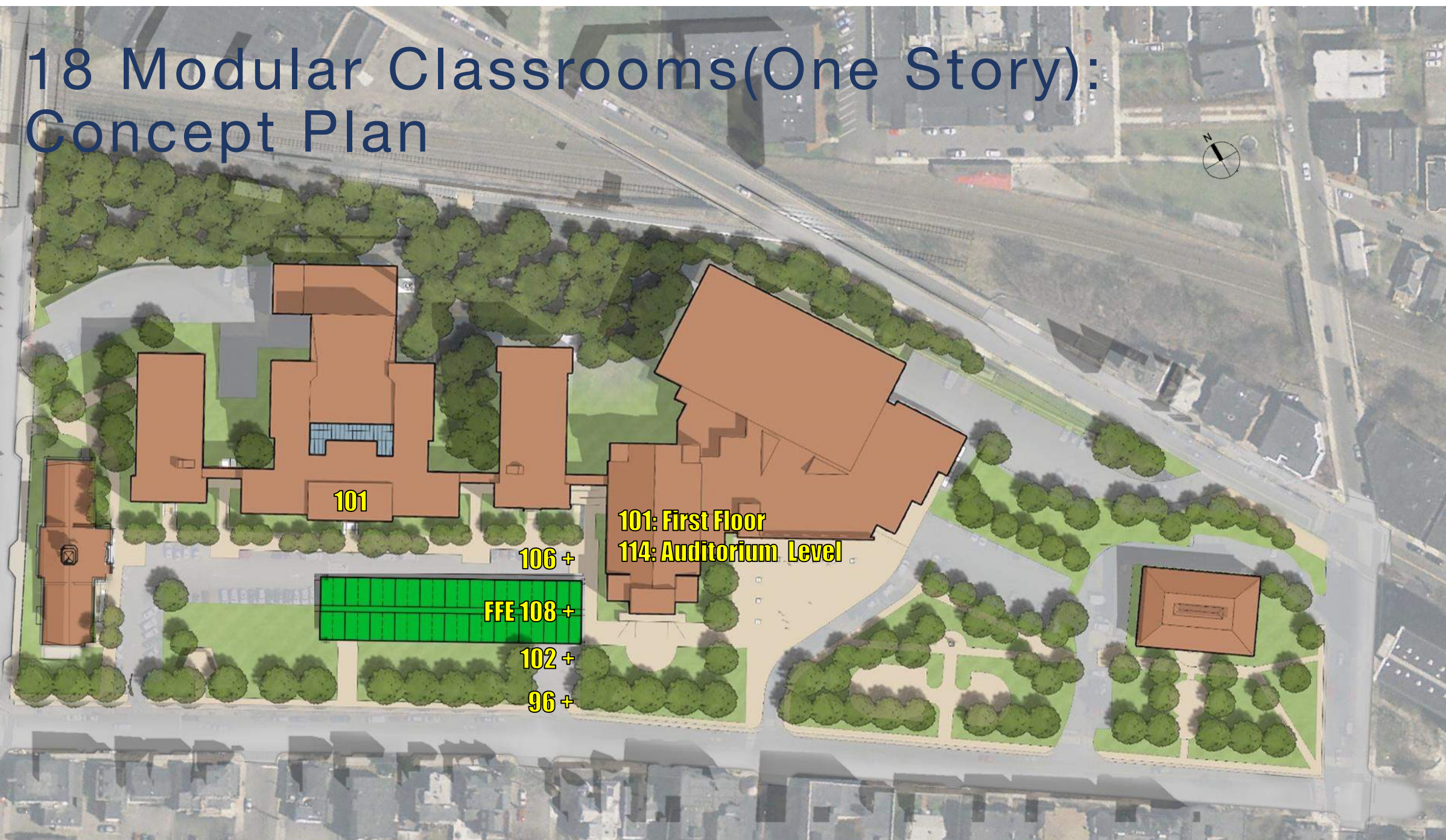


# Phasing & Modular Classrooms



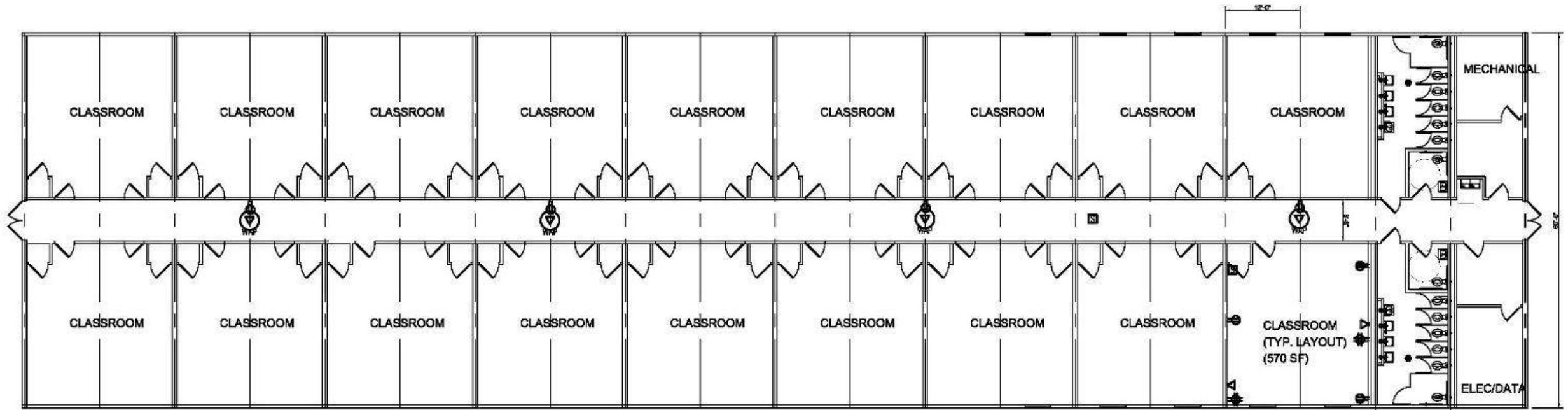


# 18 Modular Classrooms(One Story): Concept Plan





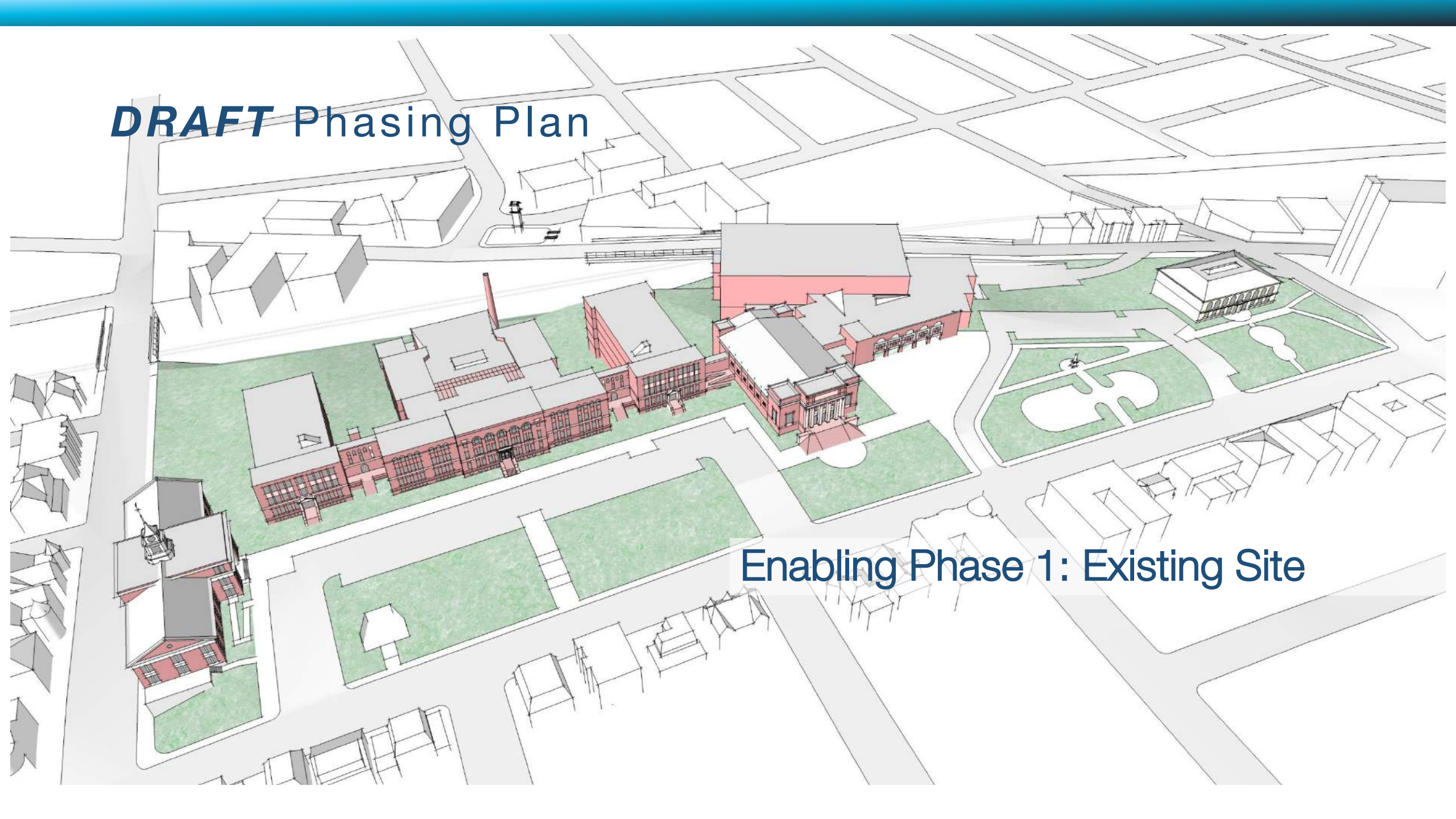
# Modular CR's - Preliminary Layout





# ***DRAFT*** Phasing Plan

Enabling Phase 1: Existing Site





# ***DRAFT*** Phasing Plan

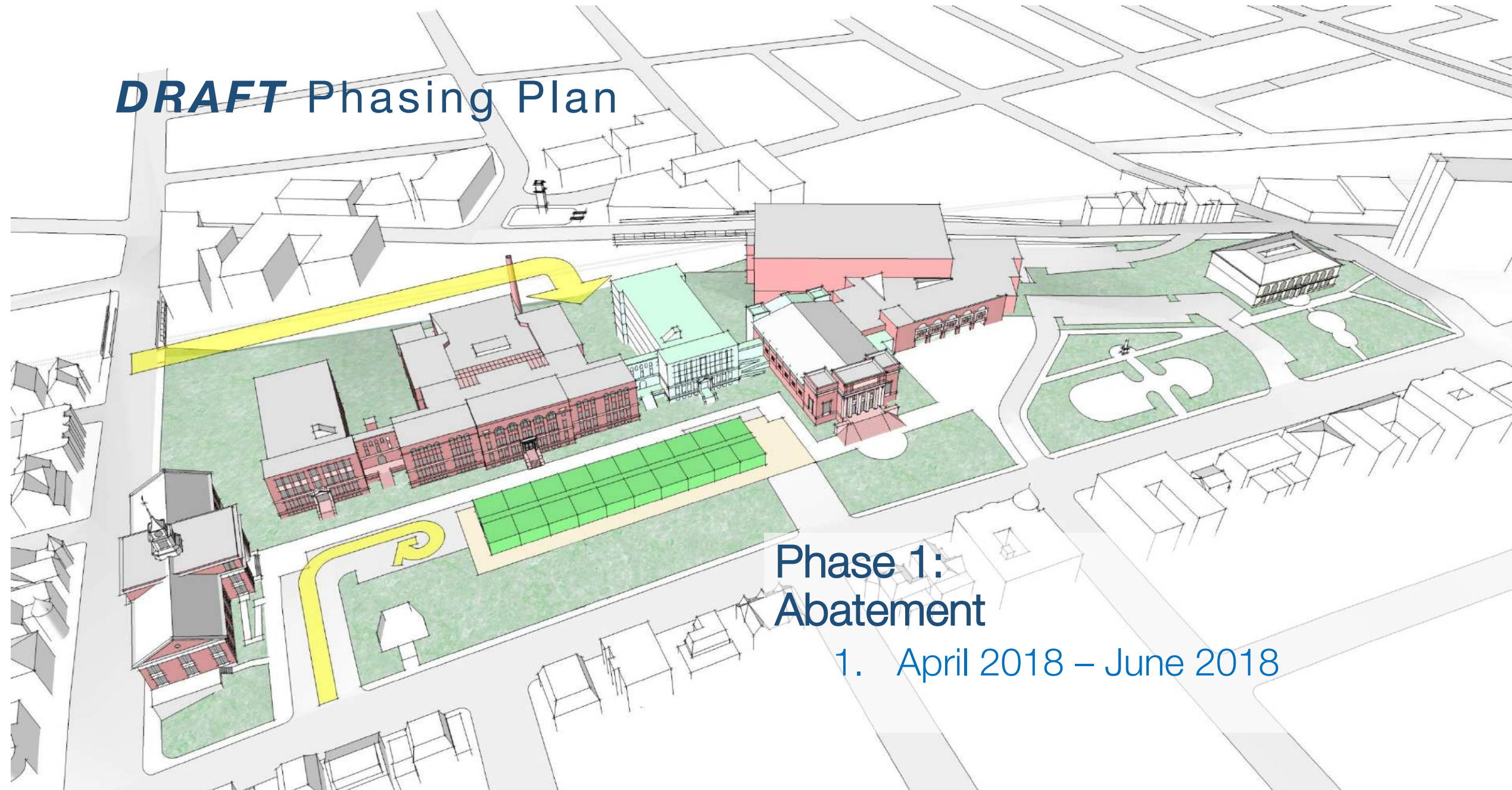
An aerial site plan of a school campus. A large yellow arrow starts from the left side of the image, pointing towards a large red brick building complex. A smaller yellow arrow starts from the bottom left, pointing towards a green rectangular area, likely a field or playground. The campus includes several buildings, a baseball field, and surrounding streets.

## Enabling Phase 0: Install Modular Classrooms

1. July 2017 – April 2018
2. Construct Temporary Classrooms
3. Occupancy by April 2018



# ***DRAFT*** Phasing Plan



**Phase 1:  
Abatement**

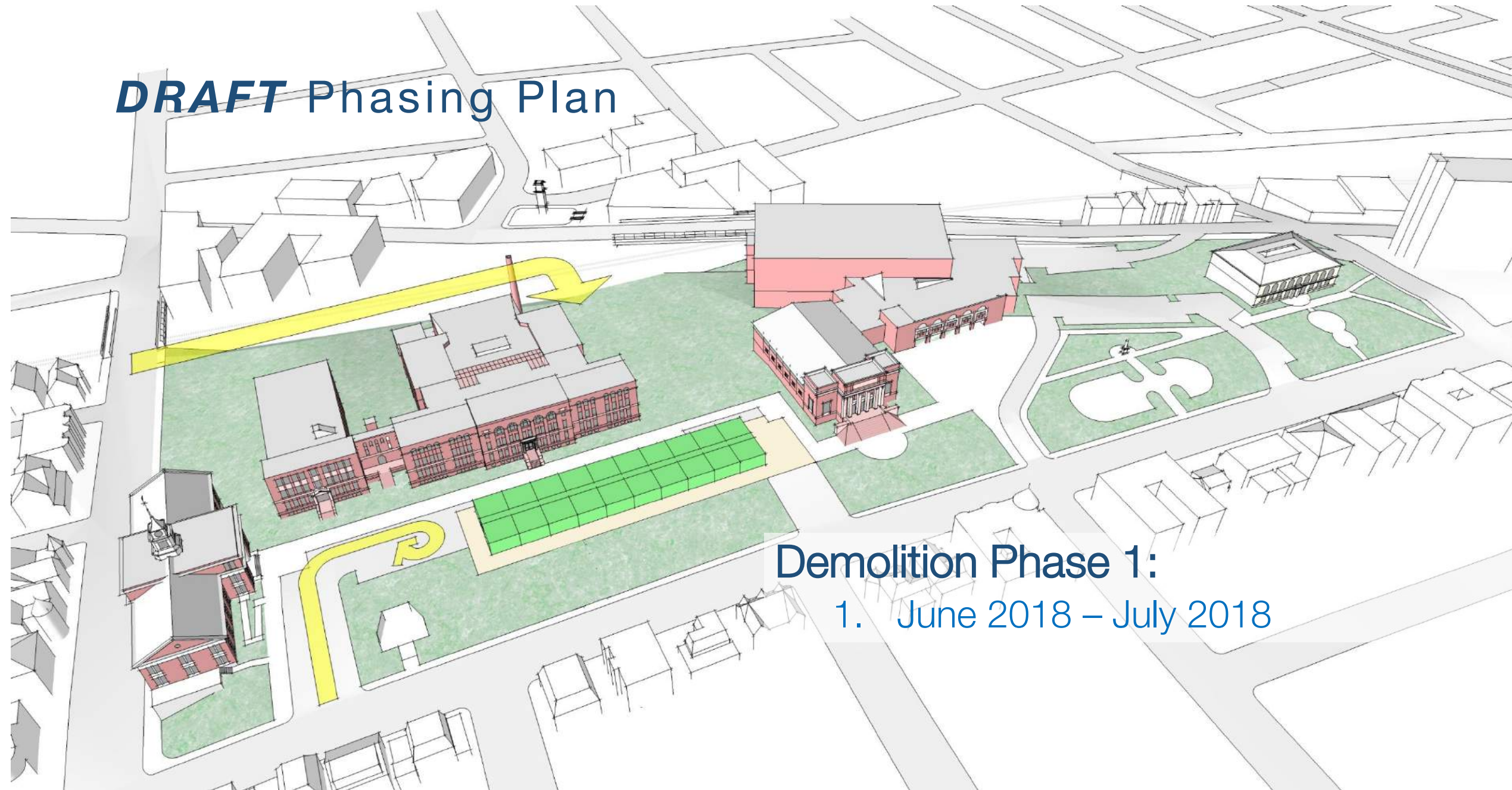
1. April 2018 – June 2018



# ***DRAFT*** Phasing Plan

## **Demolition Phase 1:**

1. June 2018 – July 2018

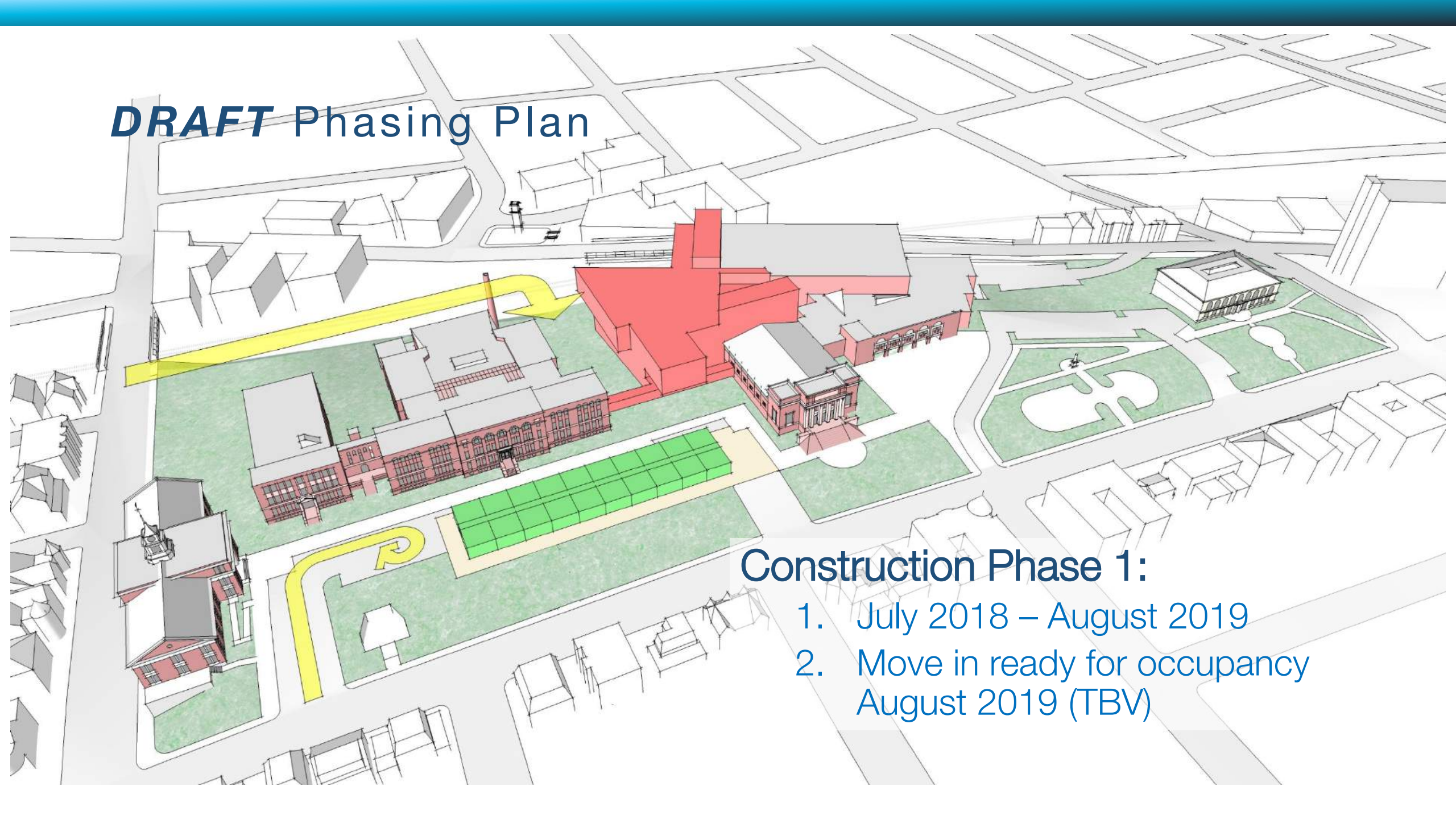




# ***DRAFT*** Phasing Plan

## **Construction Phase 1:**

1. July 2018 – August 2019
2. Move in ready for occupancy August 2019 (TBV)

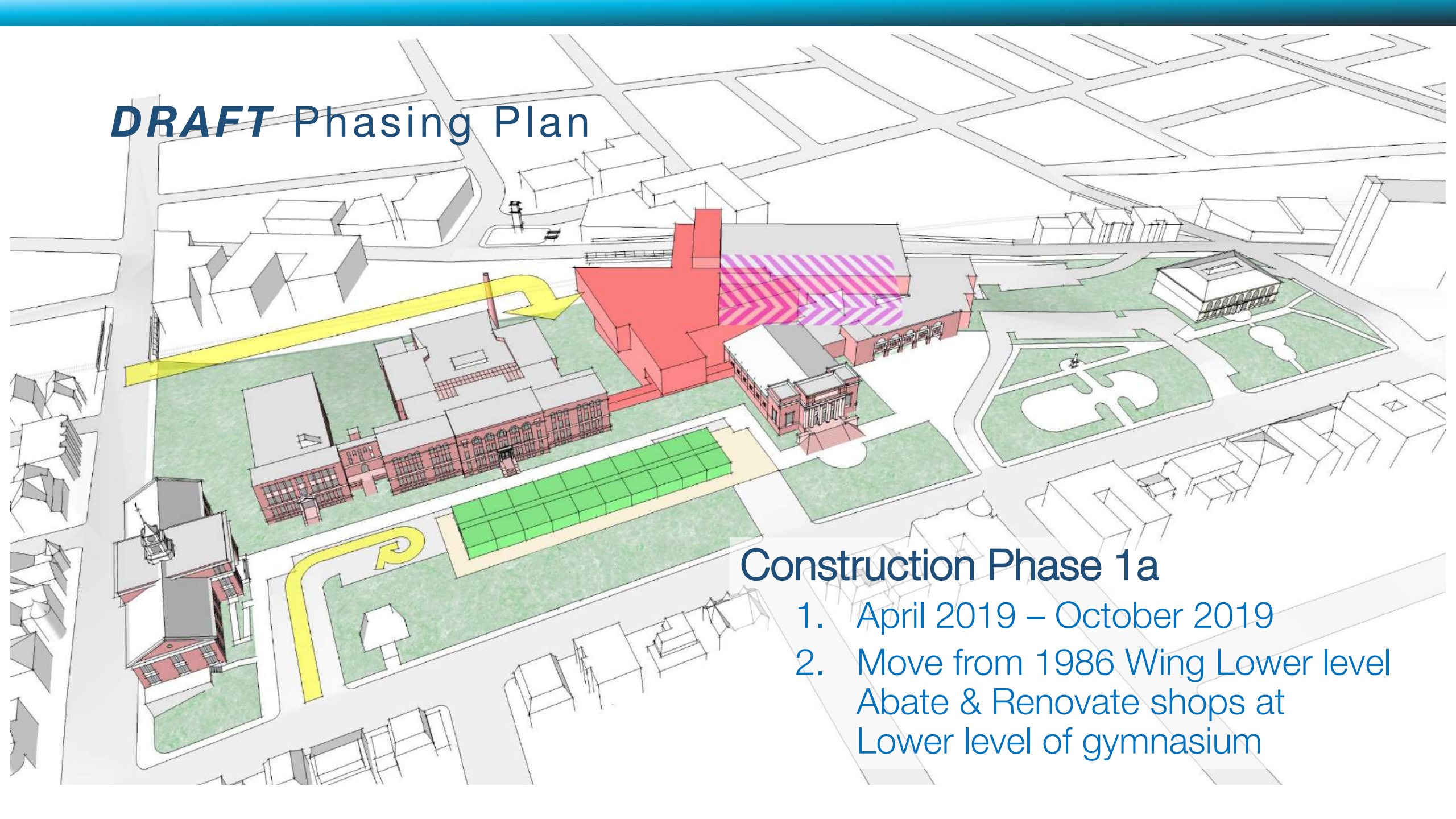




# ***DRAFT*** Phasing Plan

## **Construction Phase 1a**

1. April 2019 – October 2019
2. Move from 1986 Wing Lower level  
Abate & Renovate shops at  
Lower level of gymnasium

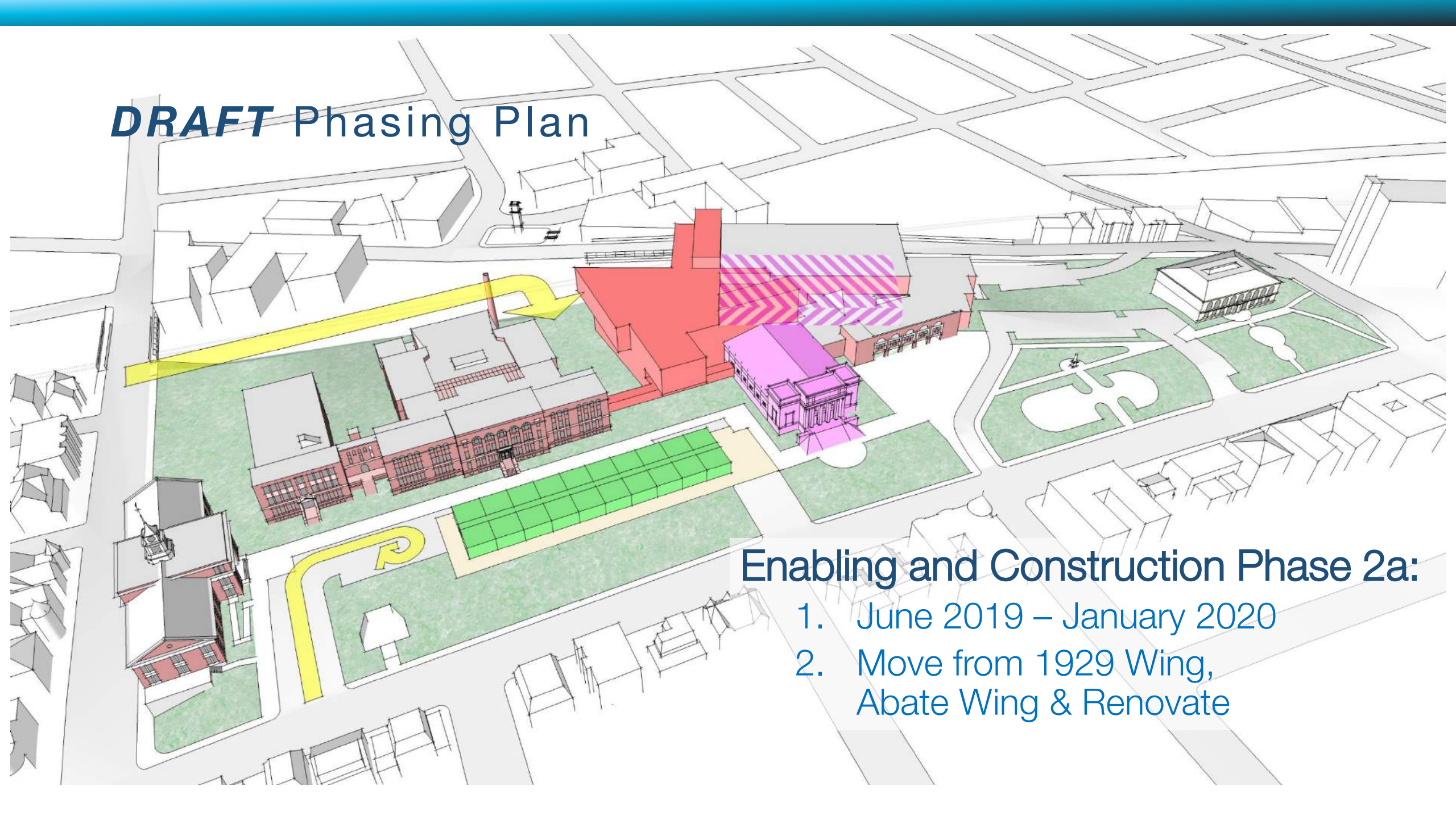




# ***DRAFT*** Phasing Plan

## Enabling and Construction Phase 2a:

1. June 2019 – January 2020
2. Move from 1929 Wing,  
Abate Wing & Renovate

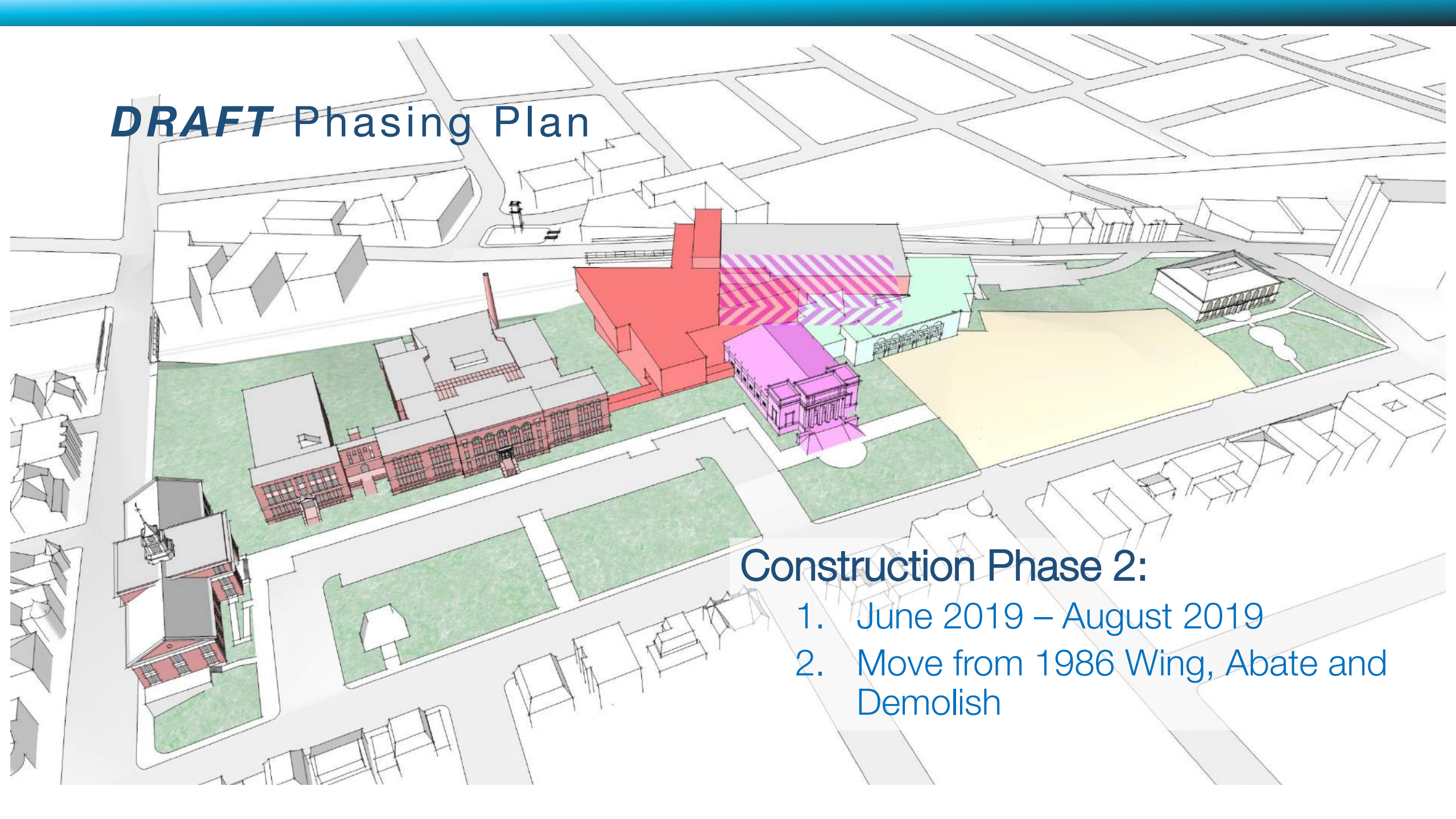




# ***DRAFT*** Phasing Plan

## Construction Phase 2:

1. June 2019 – August 2019
2. Move from 1986 Wing, Abate and Demolish

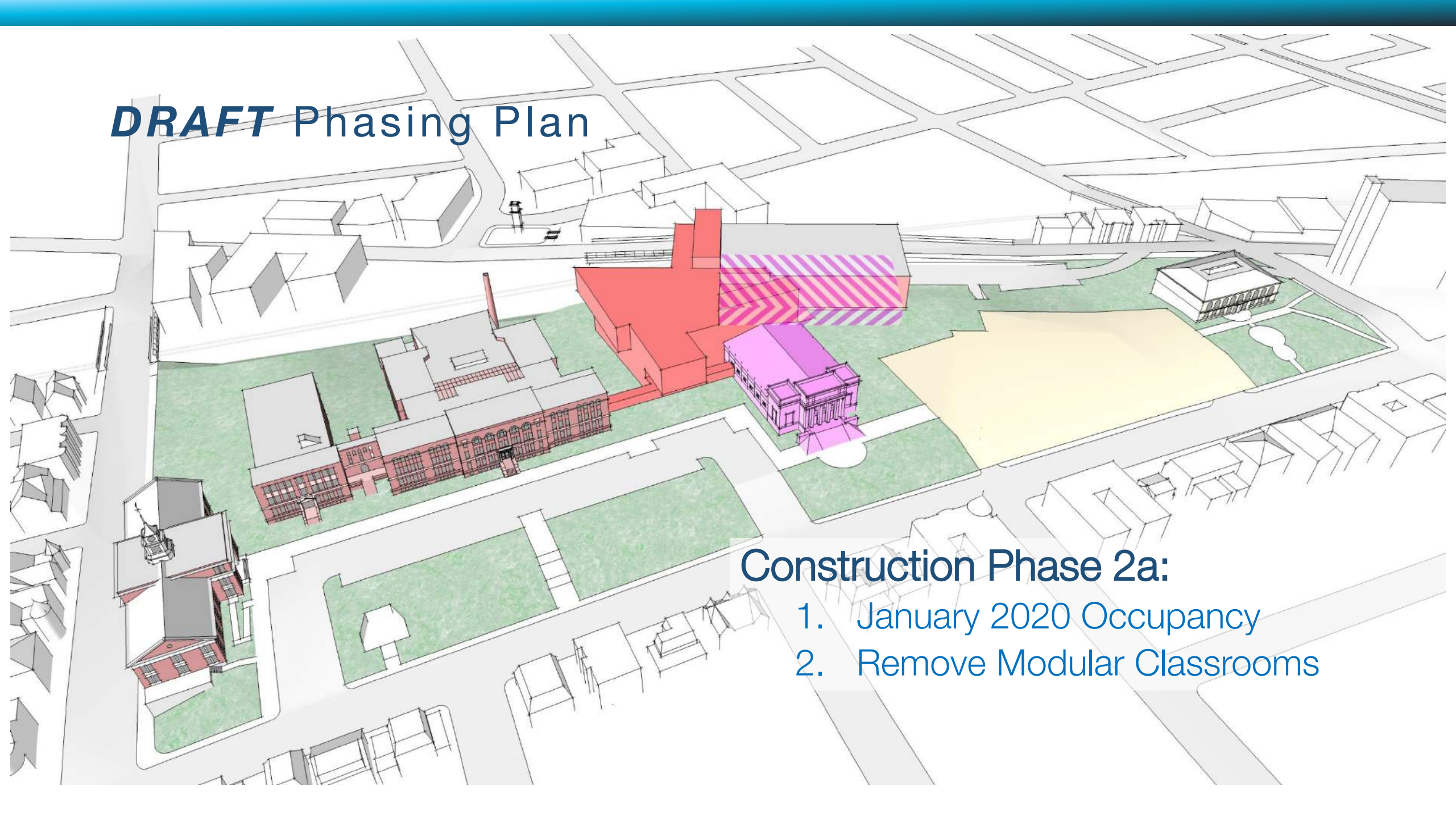




# ***DRAFT*** Phasing Plan

## **Construction Phase 2a:**

1. January 2020 Occupancy
2. Remove Modular Classrooms

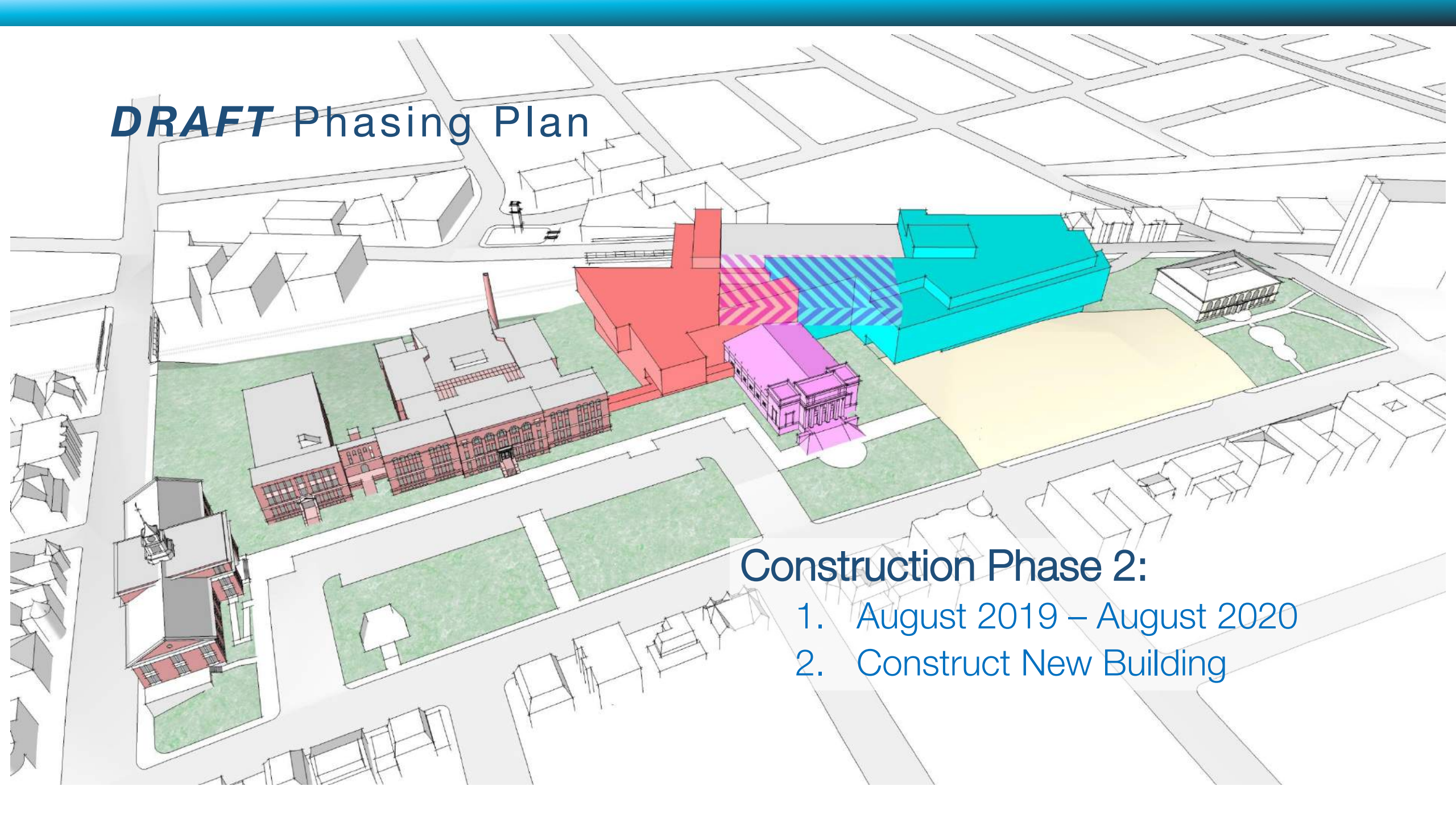




# ***DRAFT*** Phasing Plan

## **Construction Phase 2:**

1. August 2019 – August 2020
2. Construct New Building

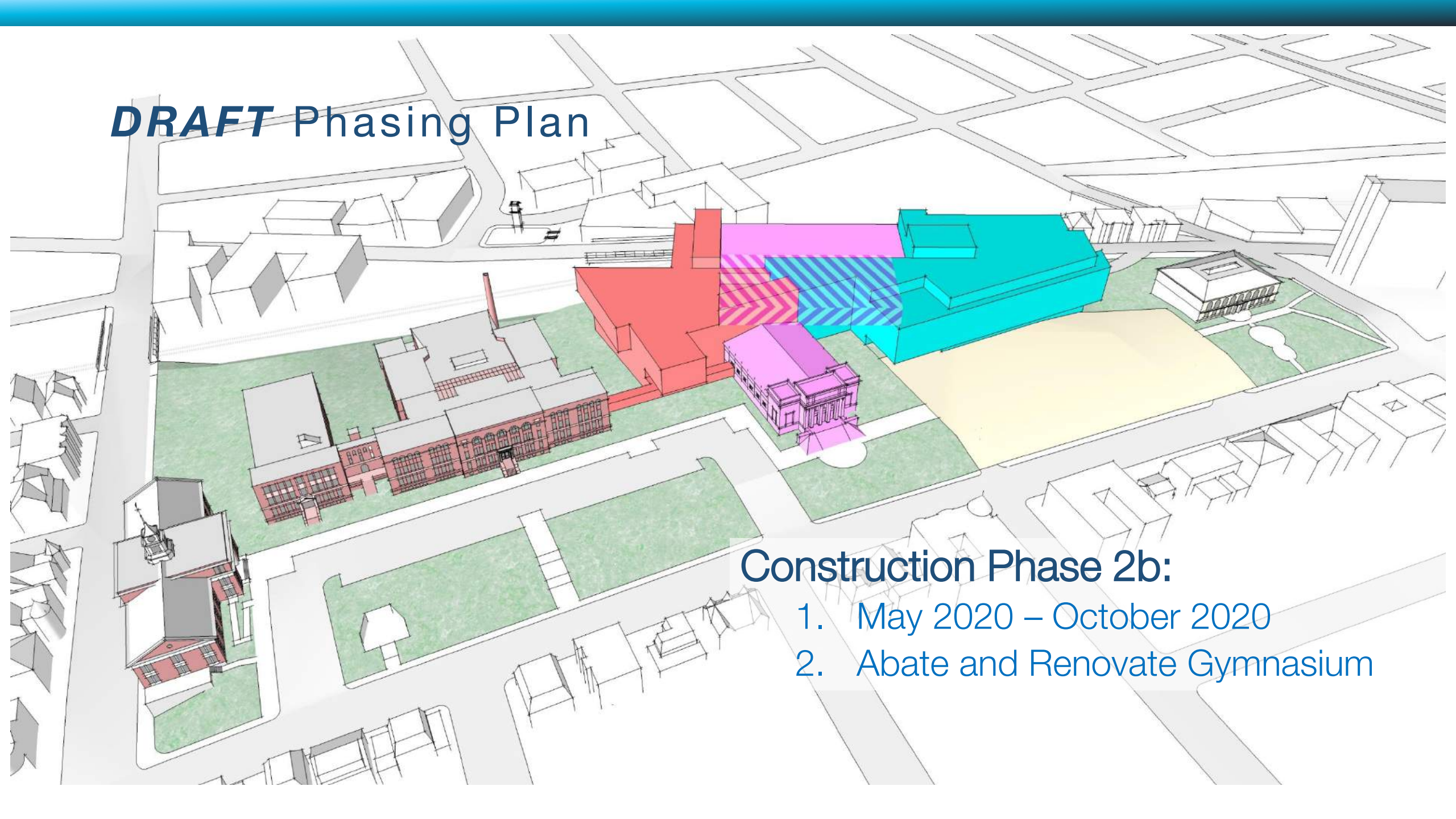




# ***DRAFT*** Phasing Plan

## **Construction Phase 2b:**

1. May 2020 – October 2020
2. Abate and Renovate Gymnasium

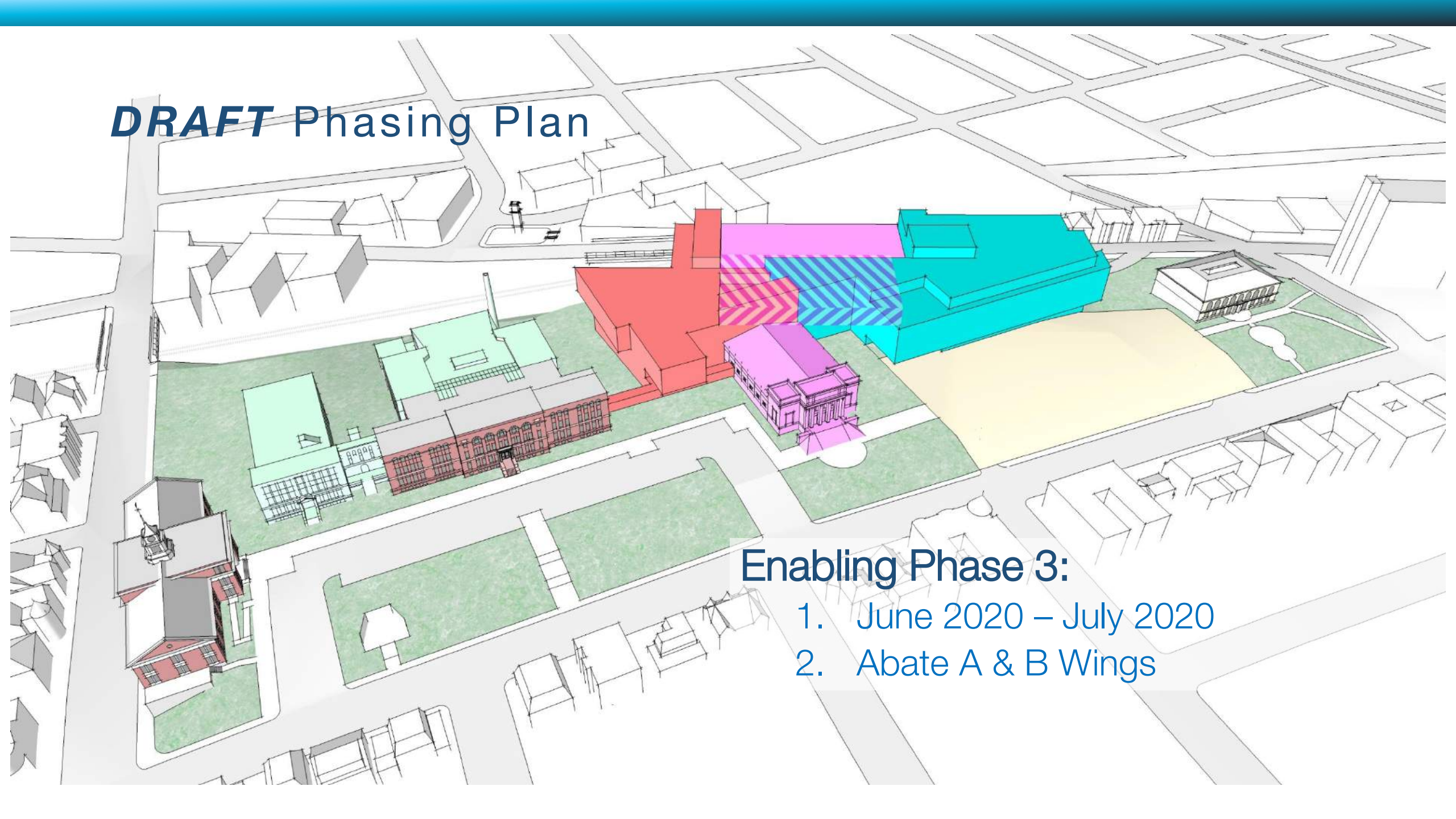




# ***DRAFT*** Phasing Plan

## Enabling Phase 3:

1. June 2020 – July 2020
2. Abate A & B Wings



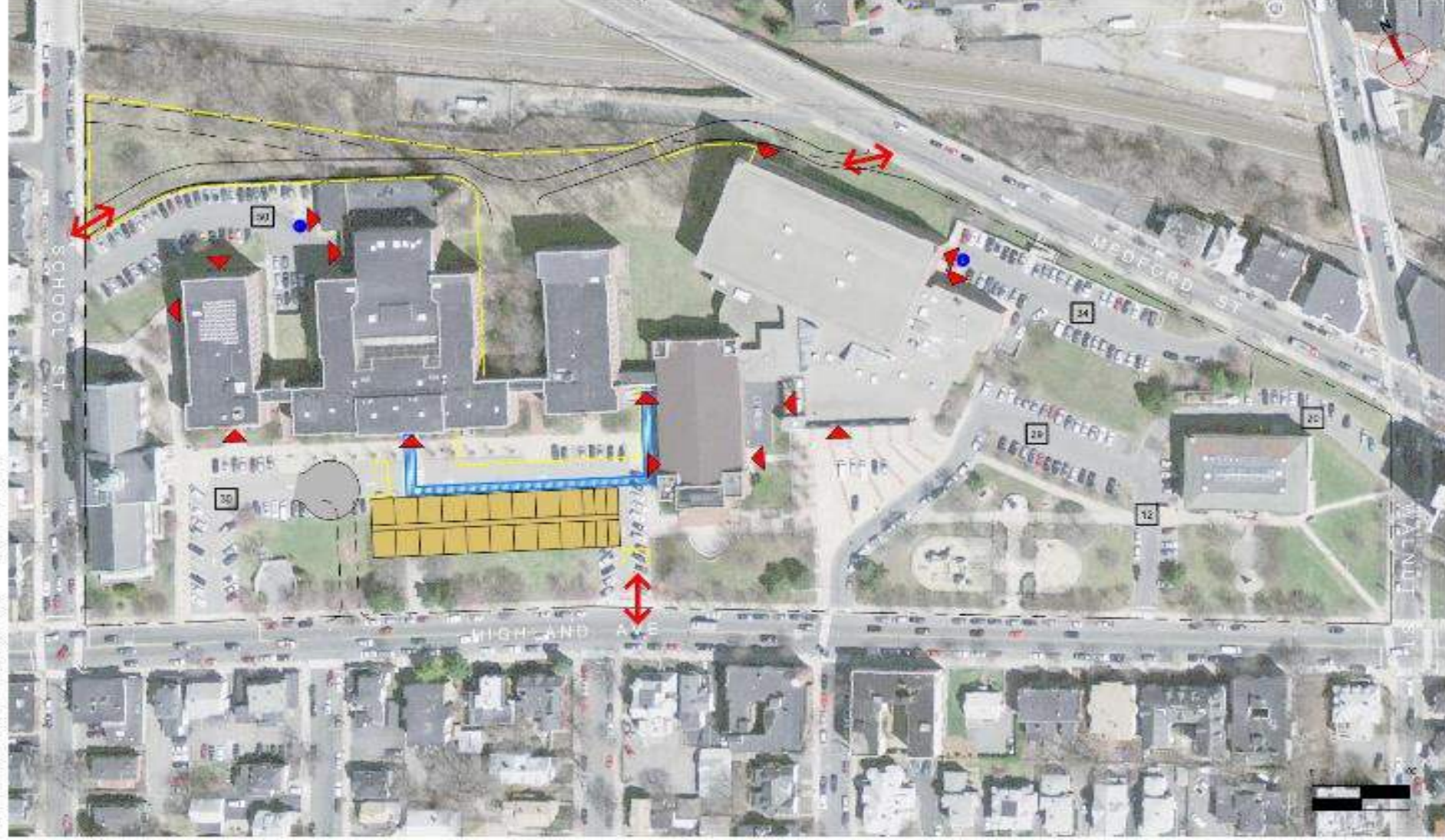


# ***DRAFT*** Phasing Plan

## **Enabling & Construction Phase 3:**

1. July 2020 – May 2021
2. Demolish A & B Wings
3. Stabilize 1895 Building
4. Construct Field





#### LEGEND

- PROPERTY LINE
- TEMPORARY PAVEMENT
- MODULAR CLASSROOMS

- BUILDING ENTRANCE/EGRESS
- TEMPORARY COVERED WALK
- TEMPORARY CHAIN LINK FENCE
- CONTRACTOR ACCESS
- PARKING
- LOADING DOCK

#### PARKING SUMMARY

- 241 SPACES EXISTING CONDITIONS
- 439 SPACES PROPOSED CONDITIONS
- ±175 SPACES PHASE I

SMMA

SOMERVILLE HIGH SCHOOL  
81 Highland Avenue  
Somerville, MA  
02143-3000  
TEL: 617-625-1200  
FAX: 617-625-1201

#### SOMERVILLE HIGH SCHOOL

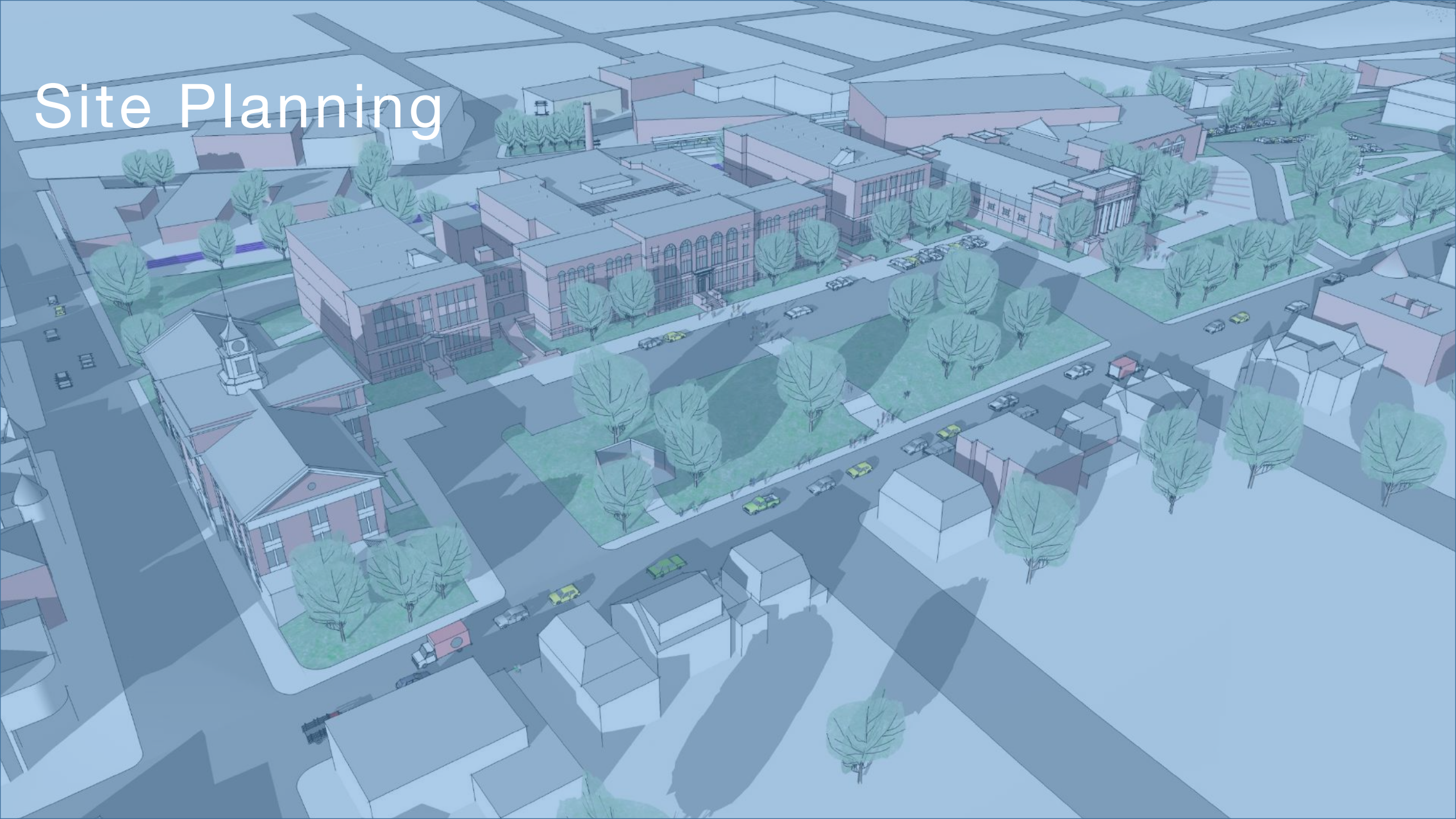
DATE: 04/24/2017  
ISSUE: 1  
SCALE: 1"=100'  
REV: EFP  
CK BY: EFP

## PRE-PHASE I

CONSTRUCTION PHASING

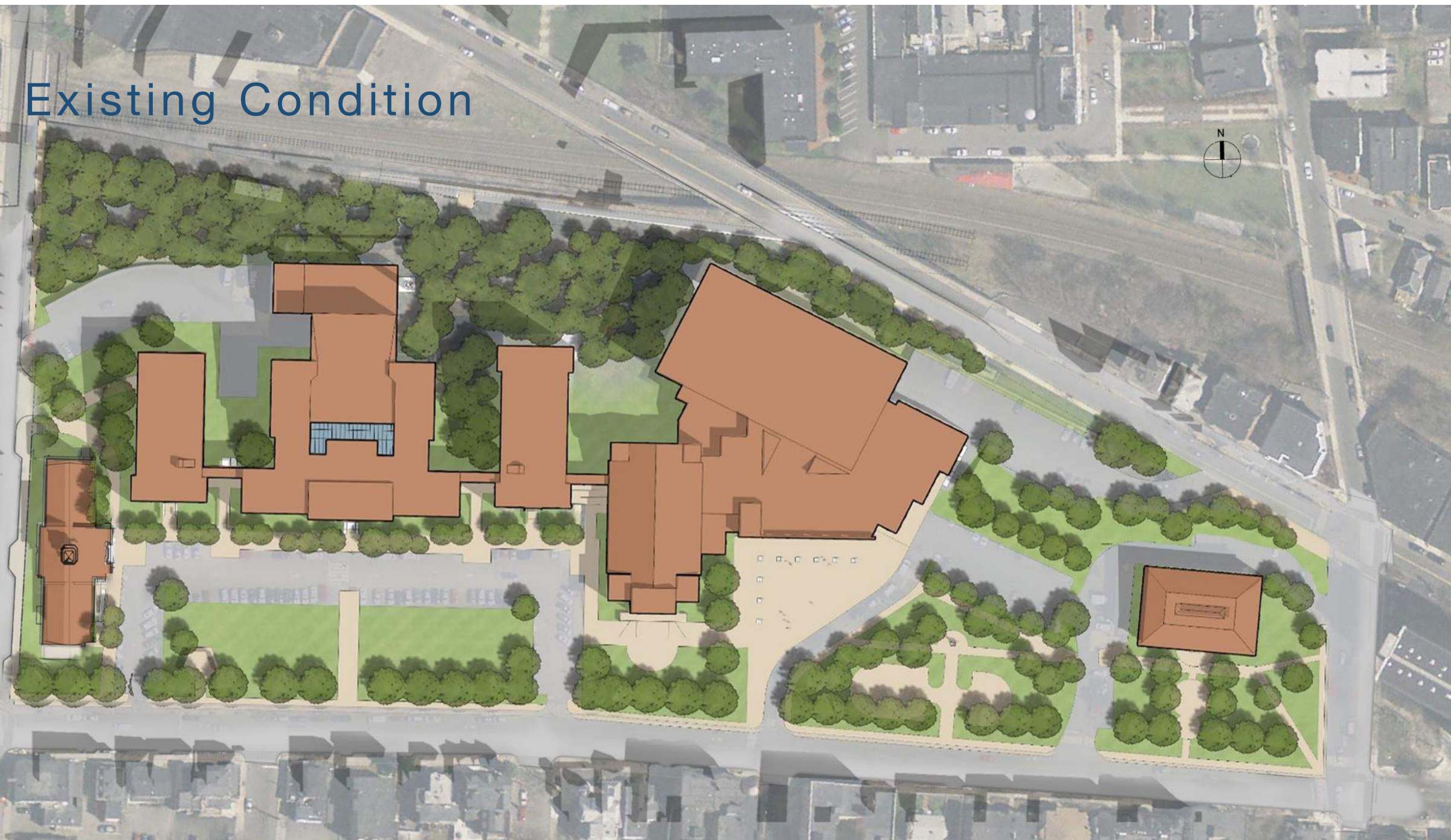


# Site Planning





# Existing Condition





# Masterplan



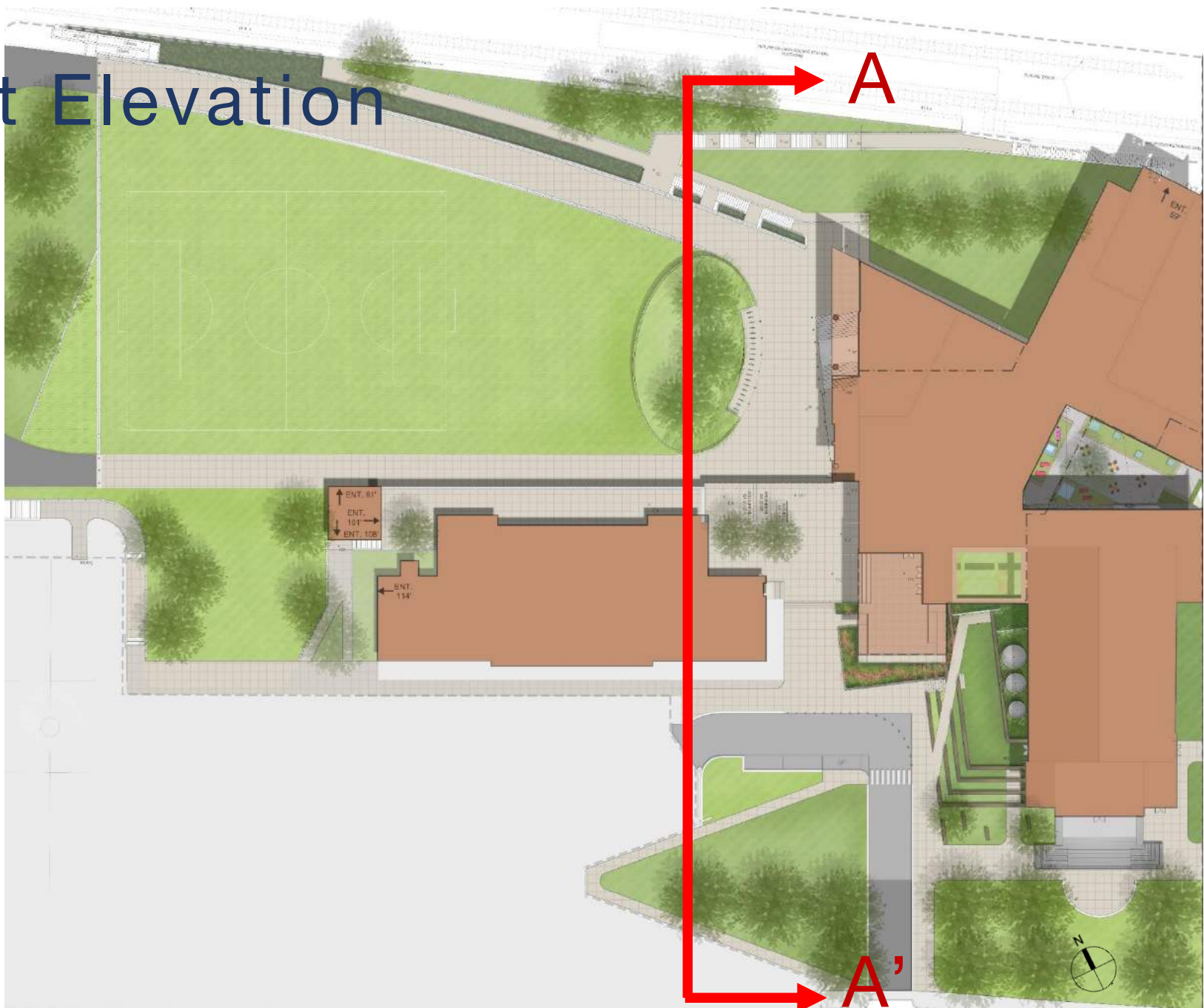


# SHS Project Scope

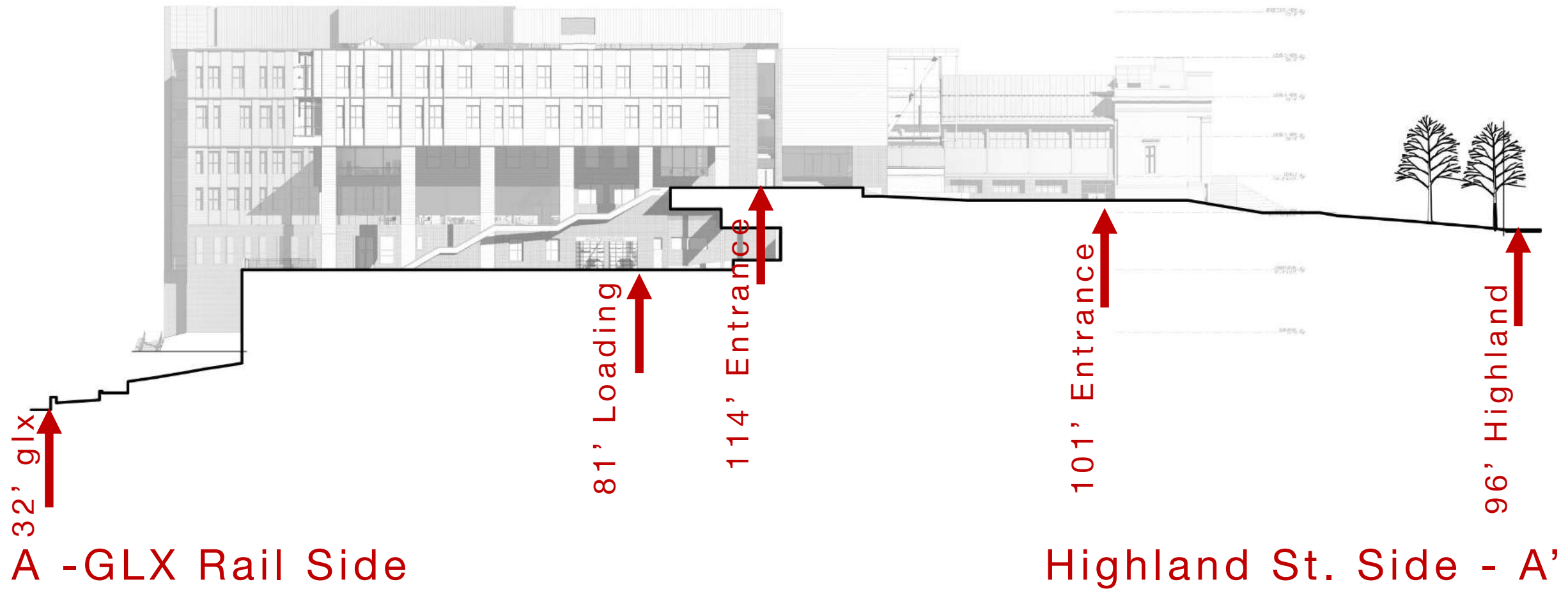




# West Elevation



# West Elevation



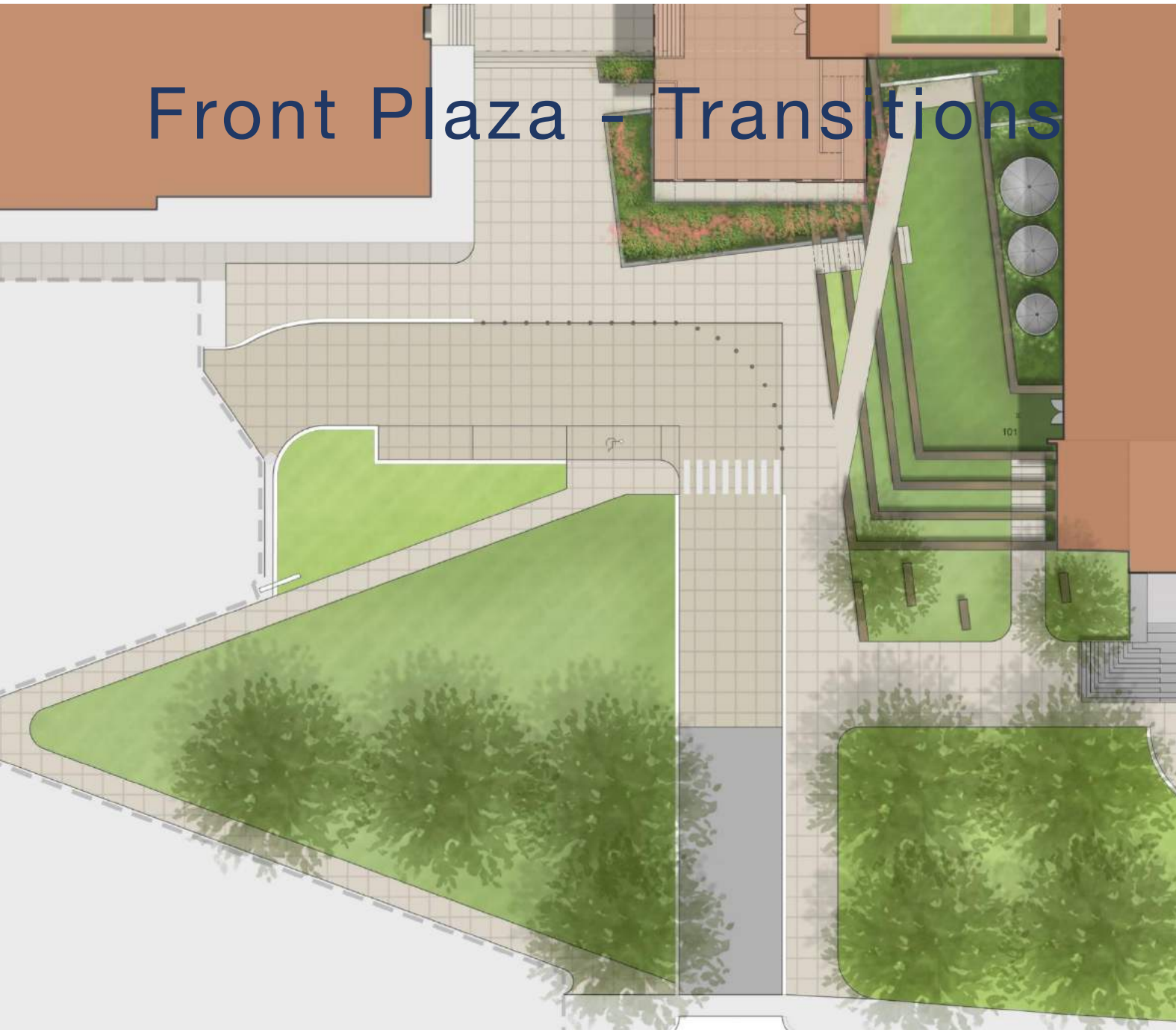


# Highland Street Allee



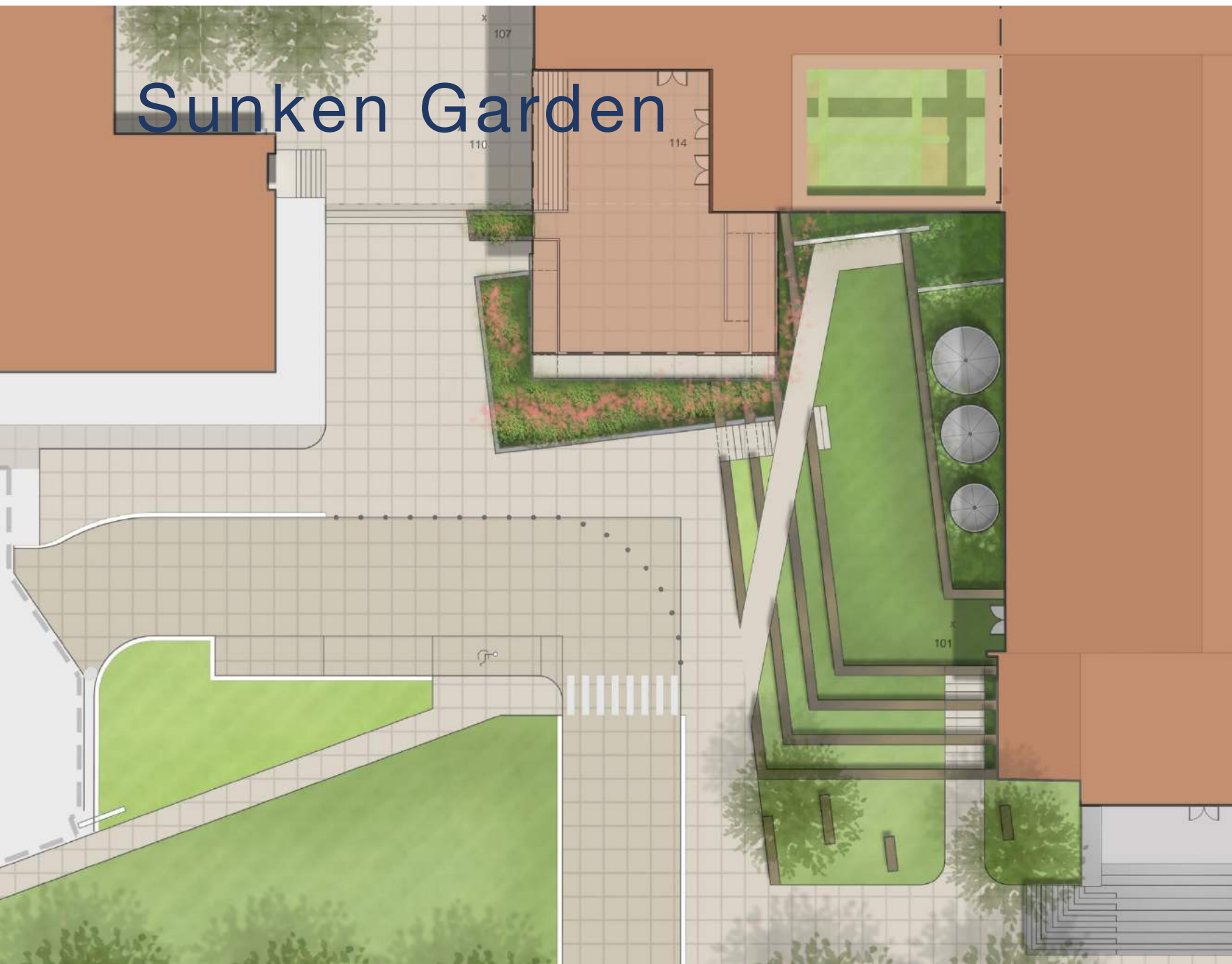


# Front Plaza - Transitions





# Sunken Garden



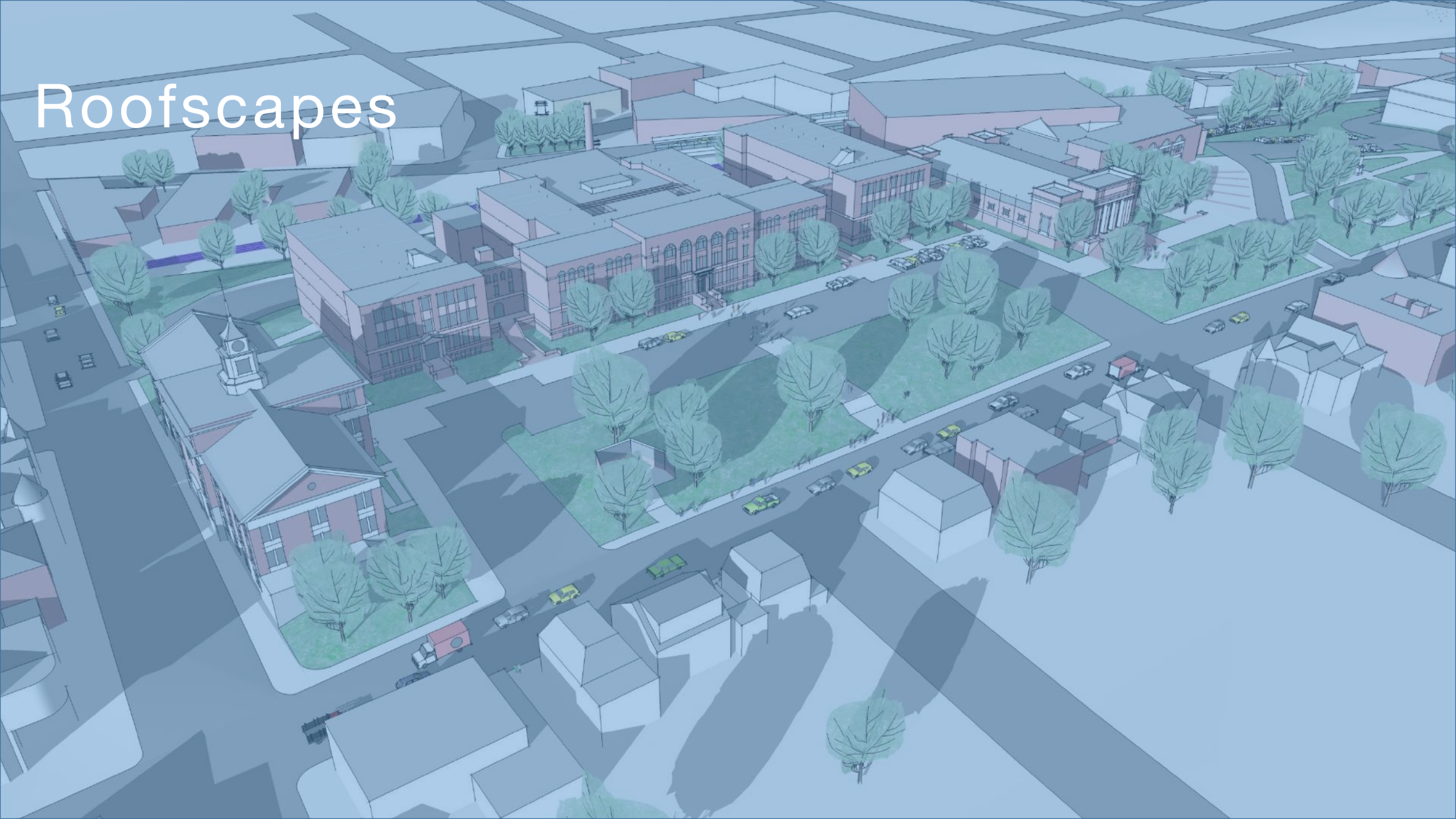


# Sunken Garden



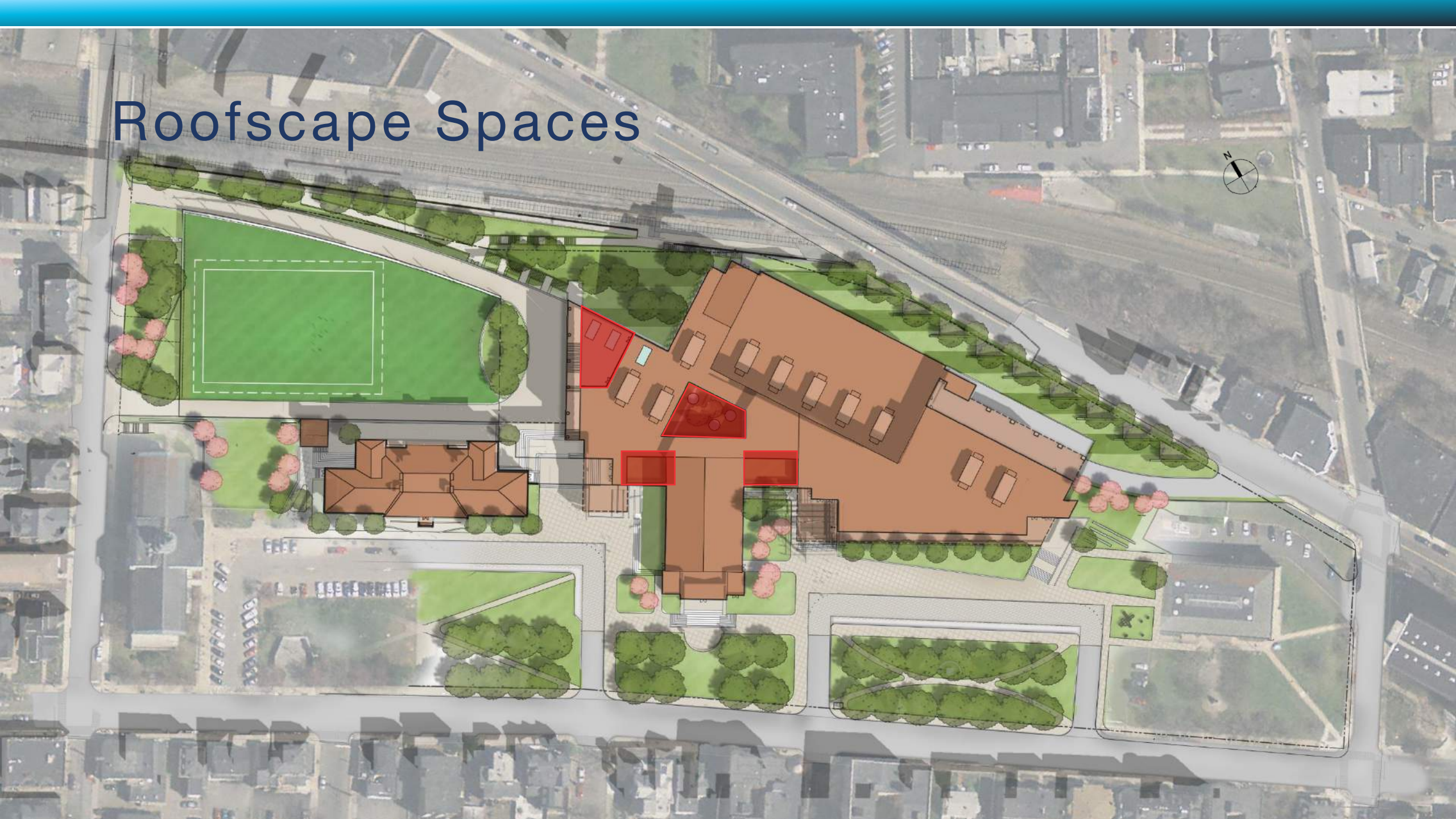


# Roofscapes





# Roofscape Spaces





# Roofscapes



Intensive Roofscape

Extensive Roofscape



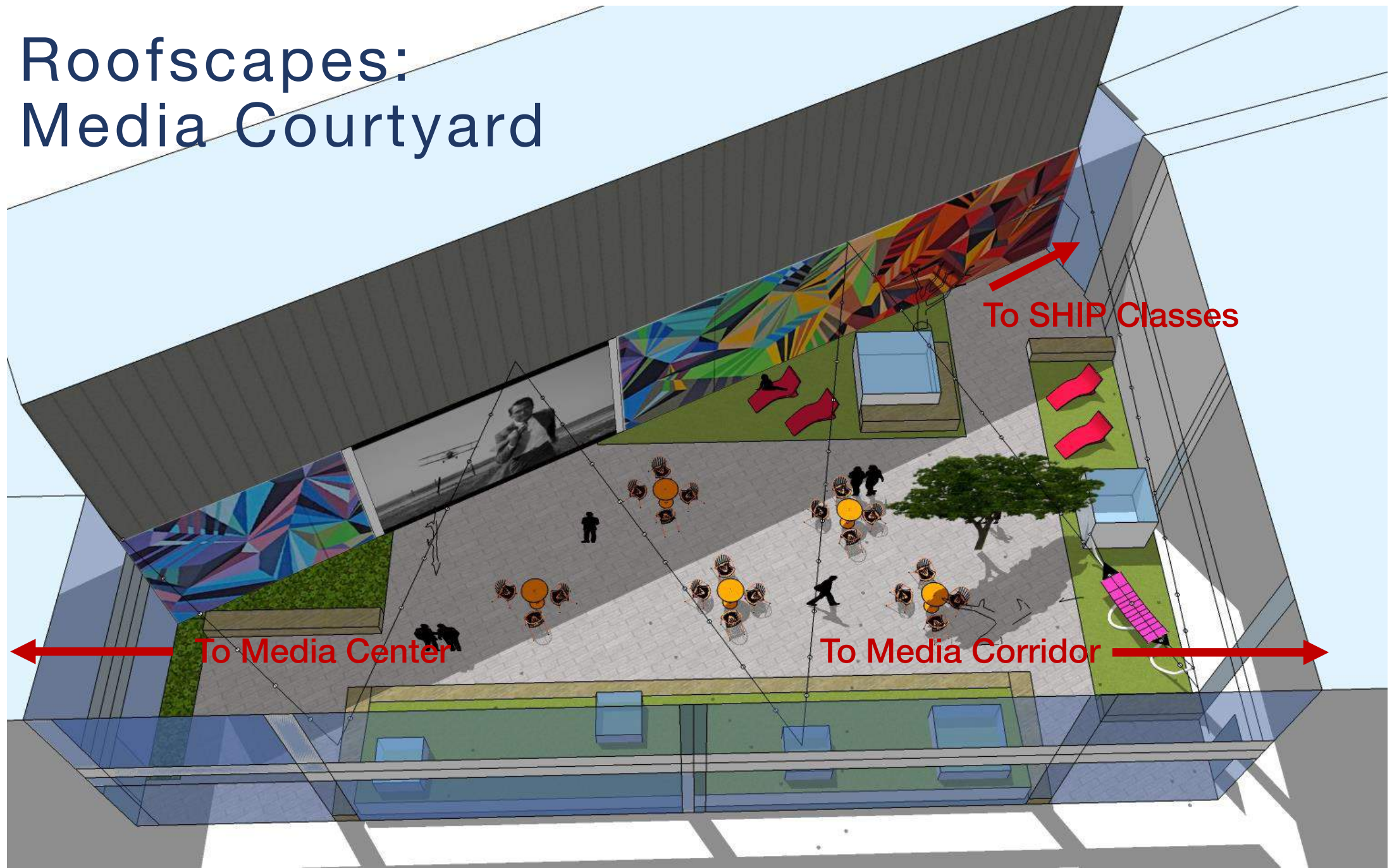


# Roofscapes





# Roofscapes: Media Courtyard





# Roofscapes: Extensive



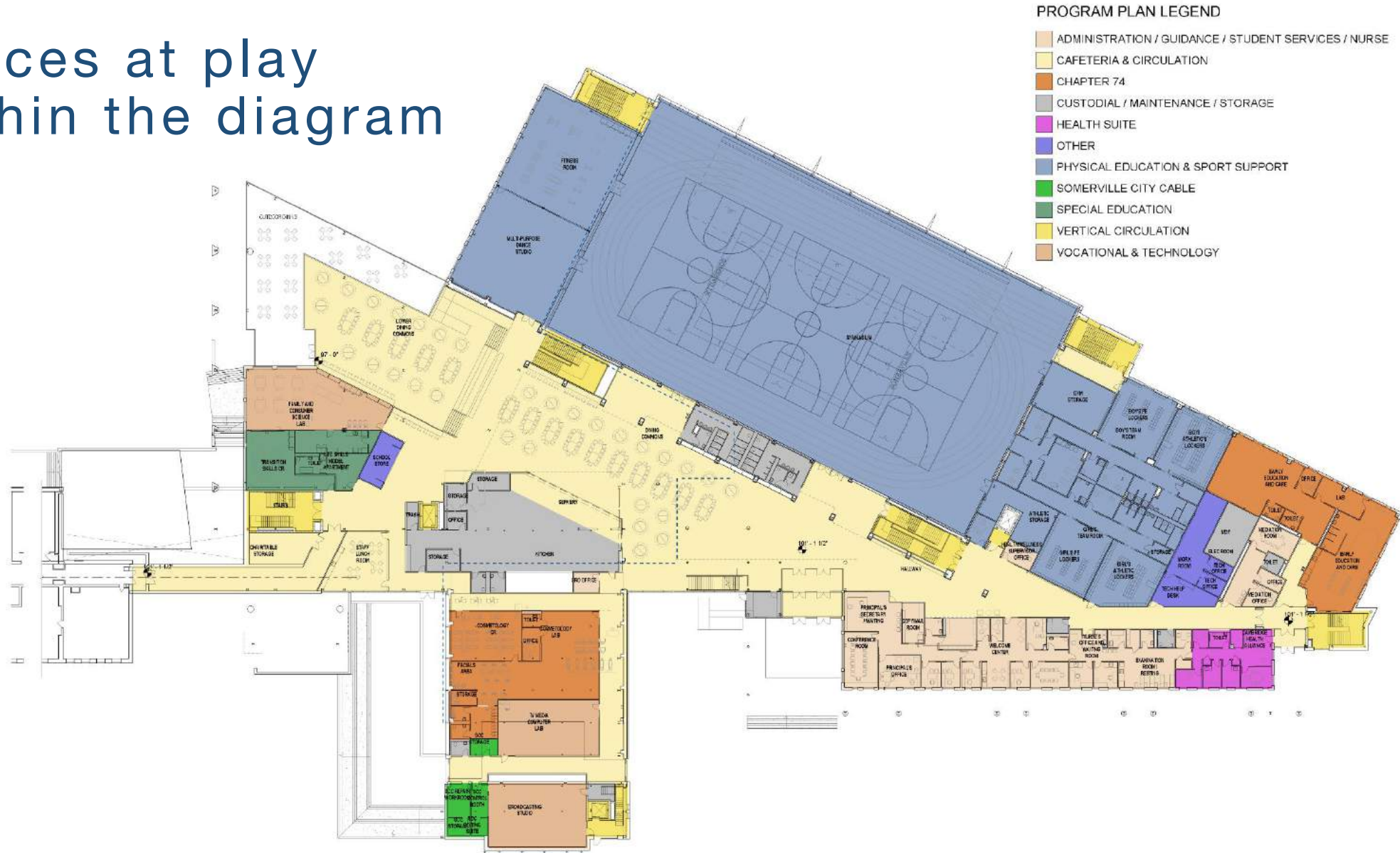


# Exterior Design Development



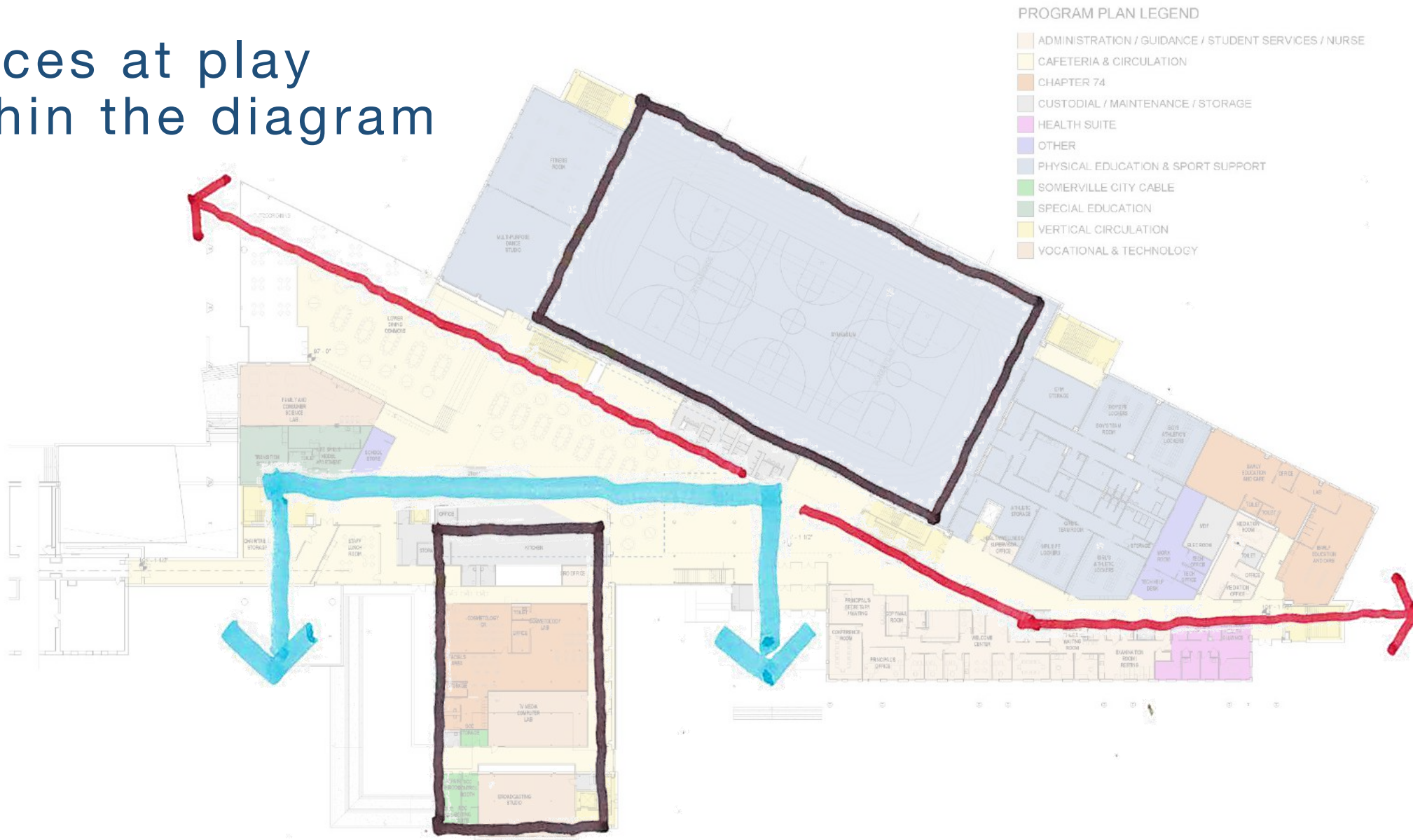


## Forces at play within the diagram



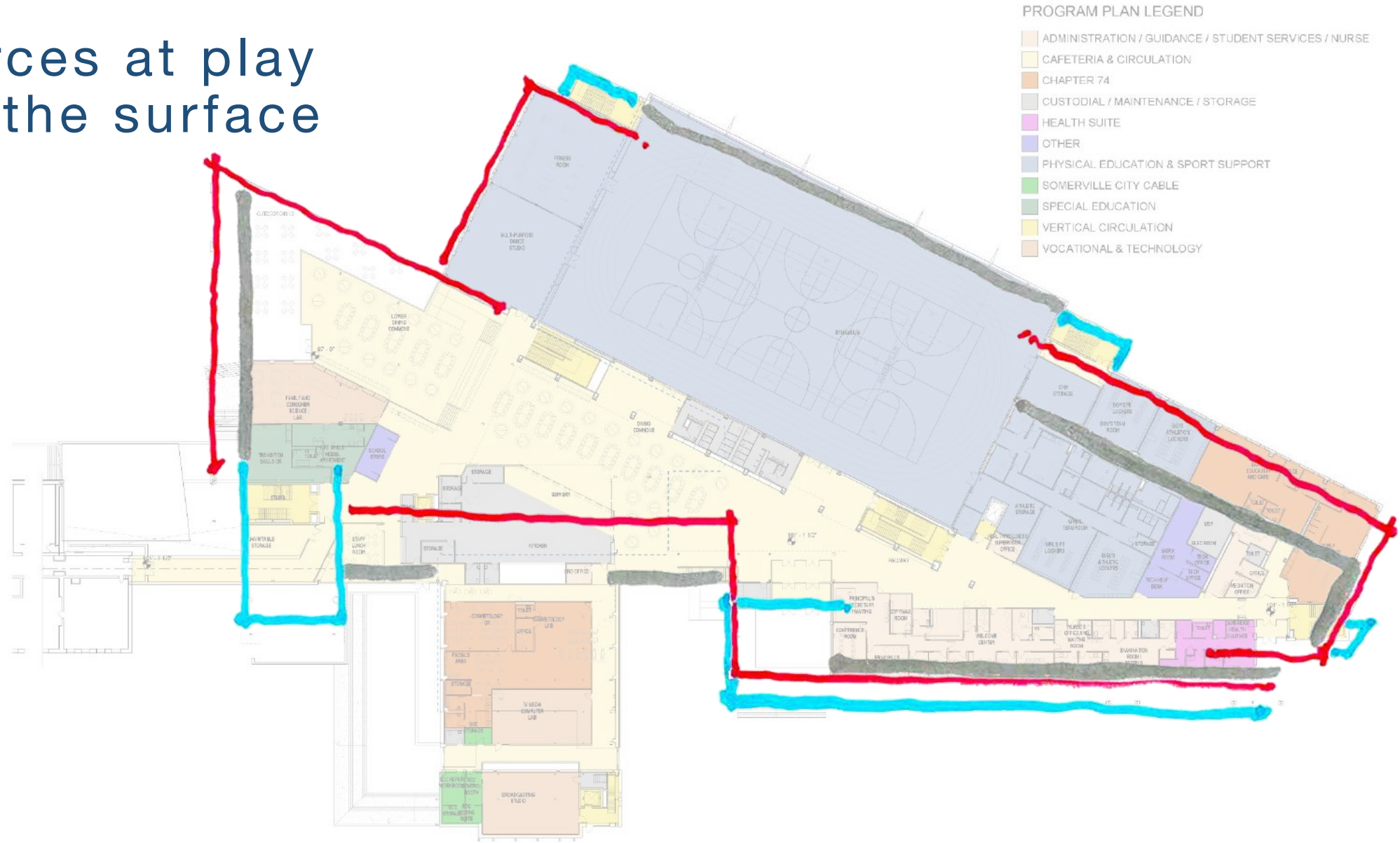


# Forces at play within the diagram



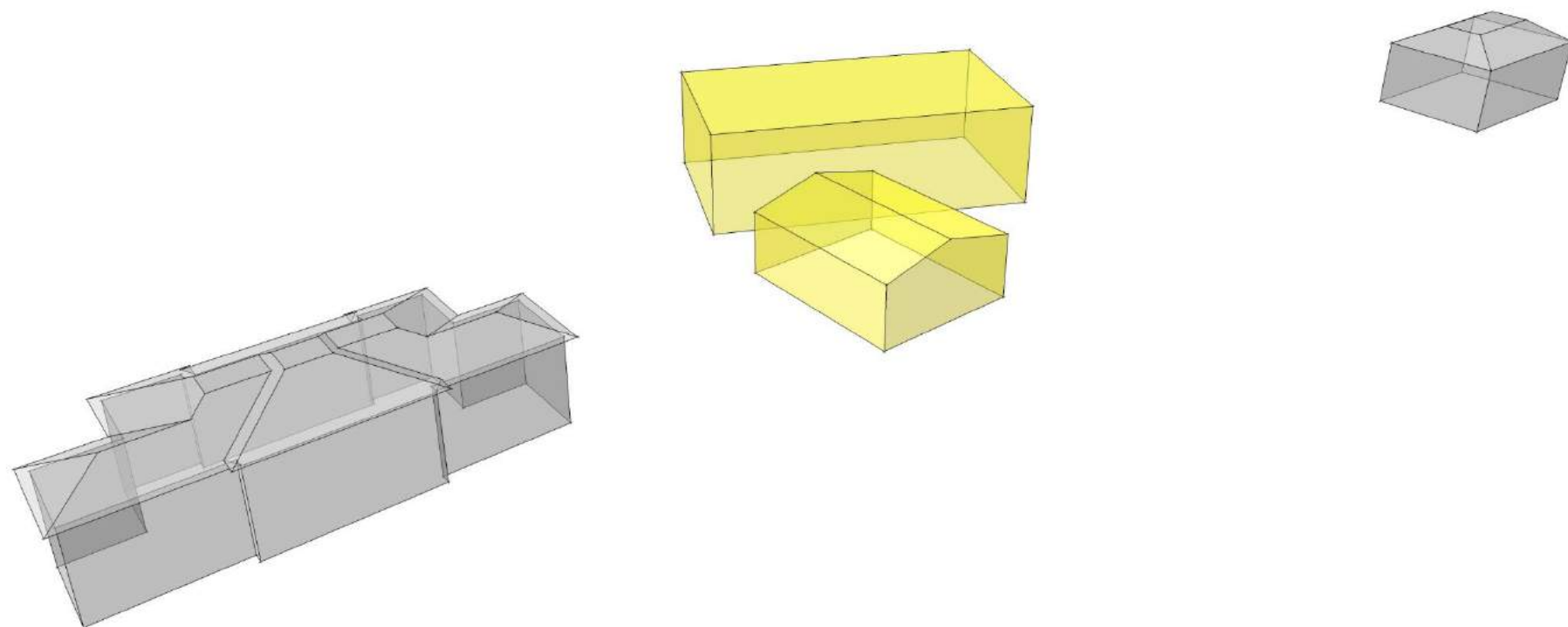


# Forces at play on the surface



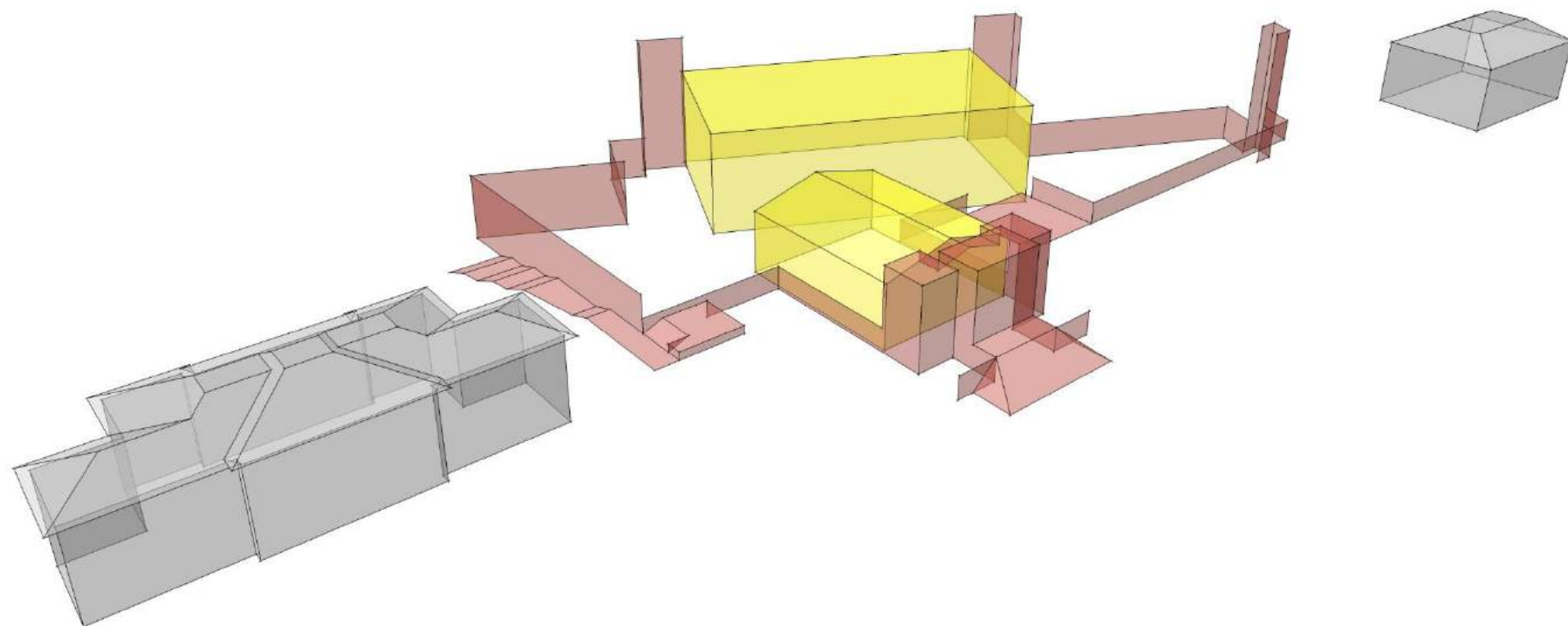


# Concept



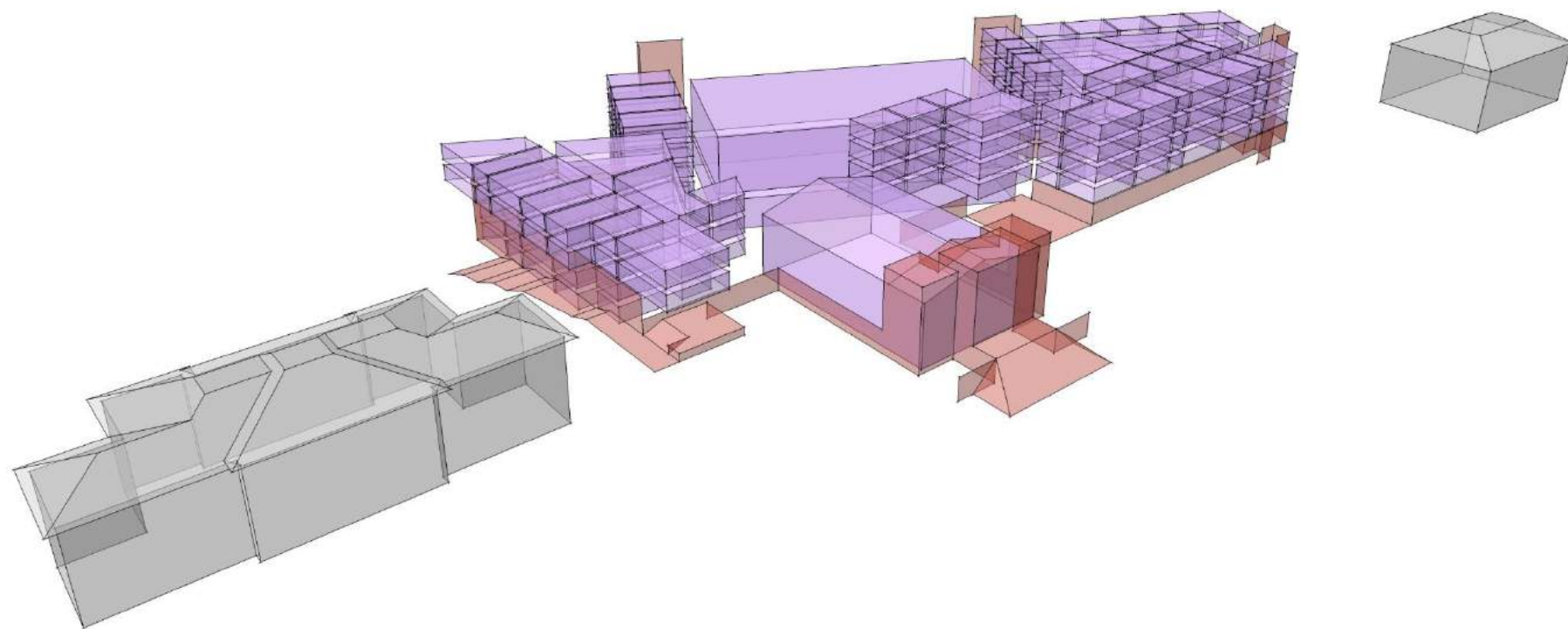


# Concept



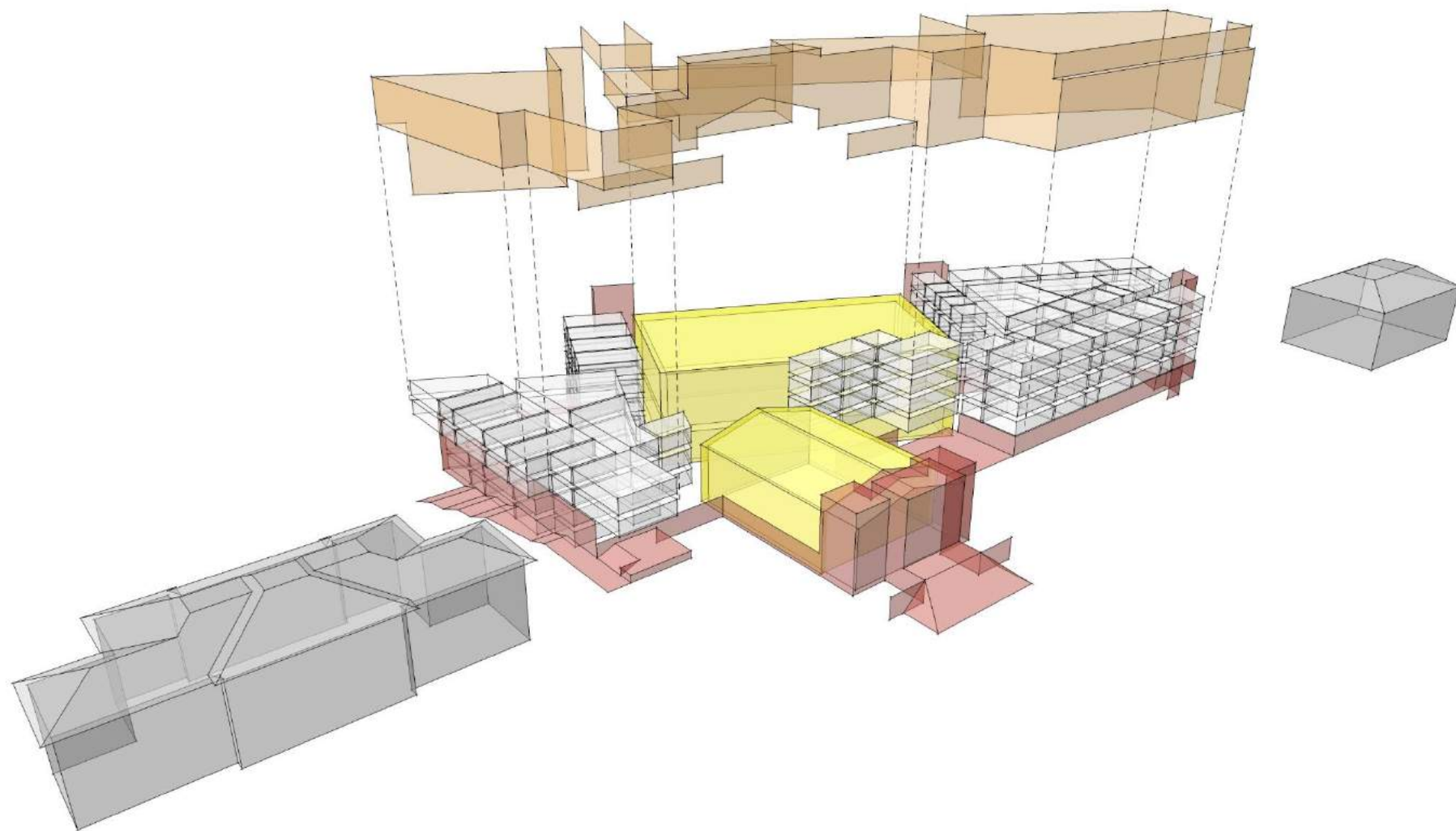


# Concept



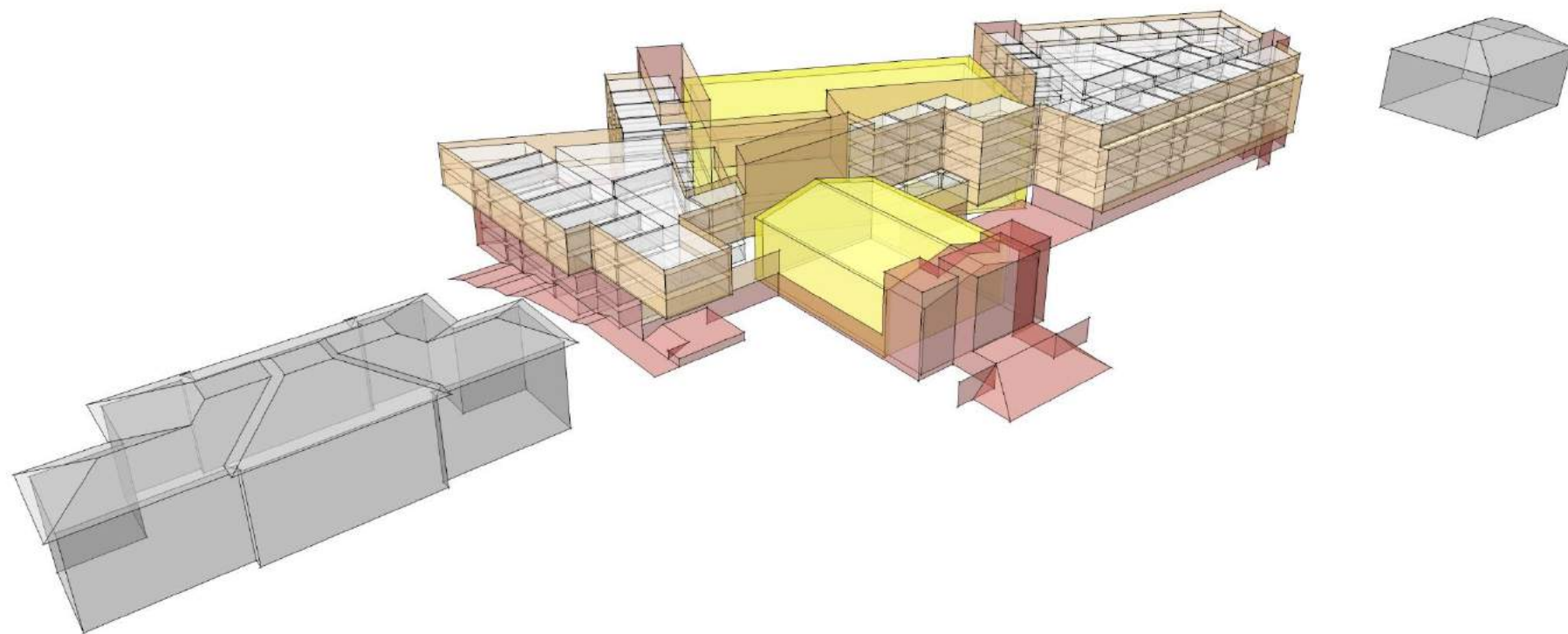


# Concept

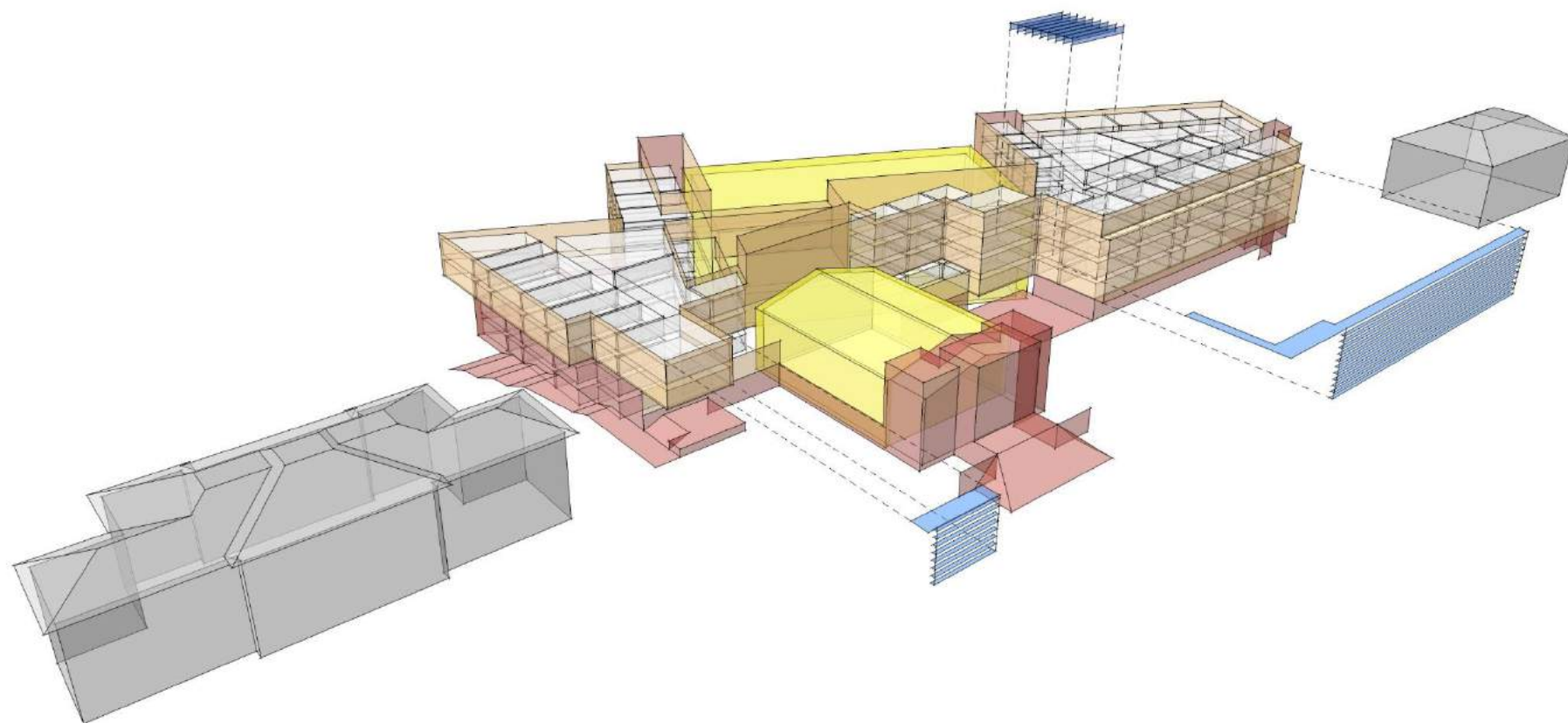




# Concept

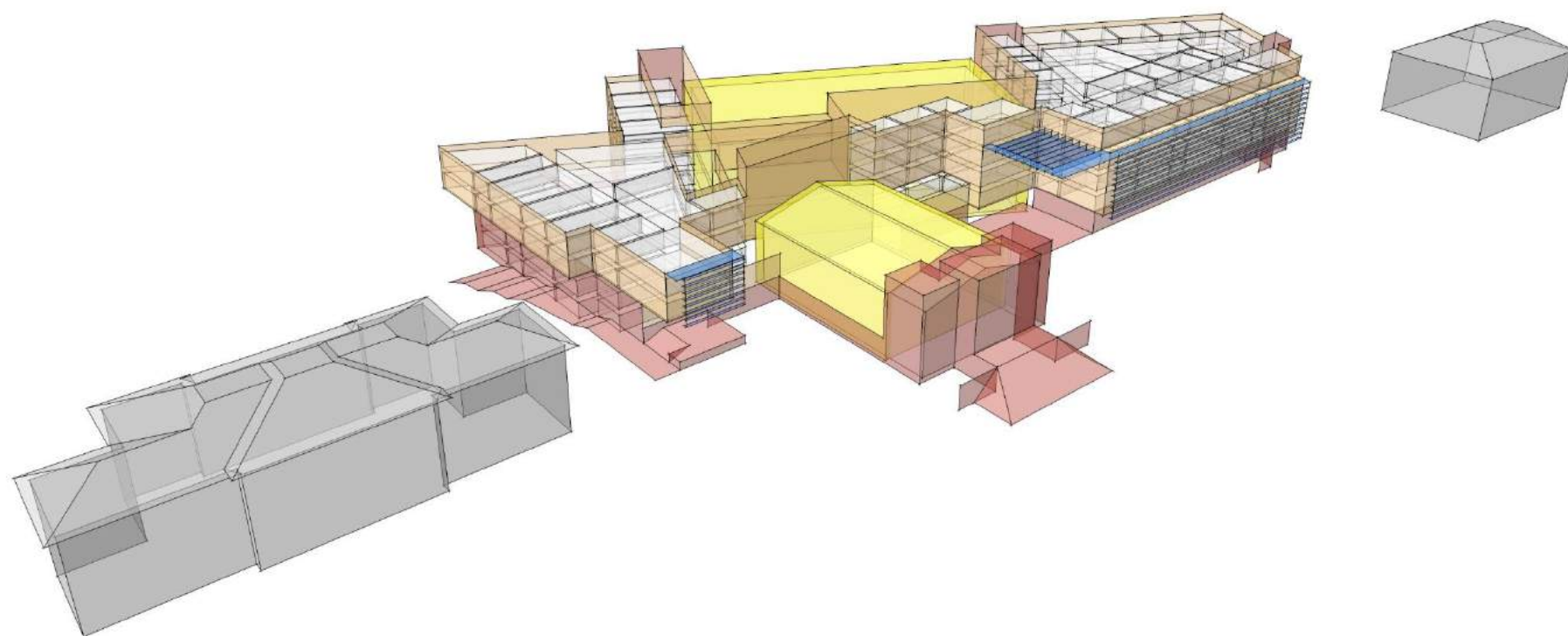


# Concept





# Concept





Materiality, Textures & Patterning





“Ordered”



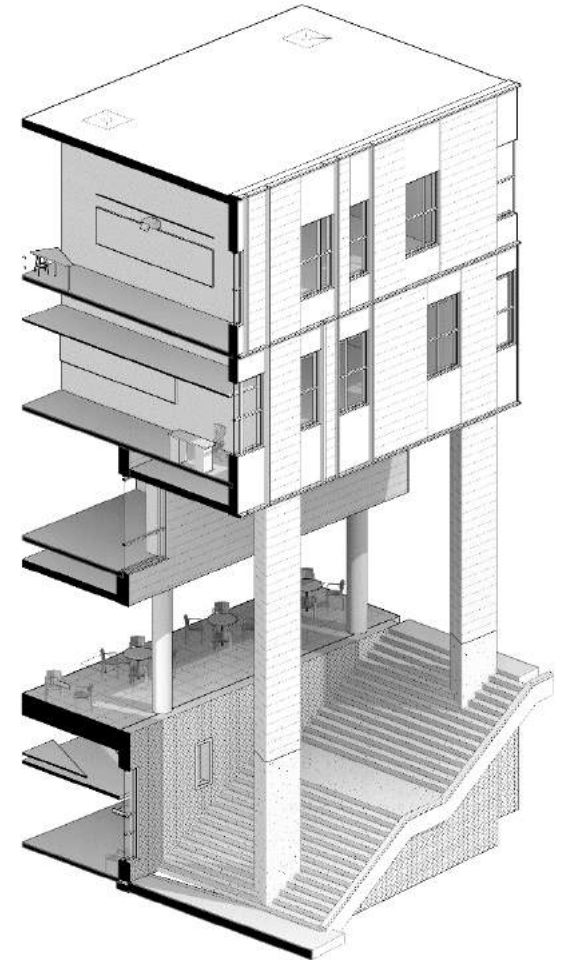
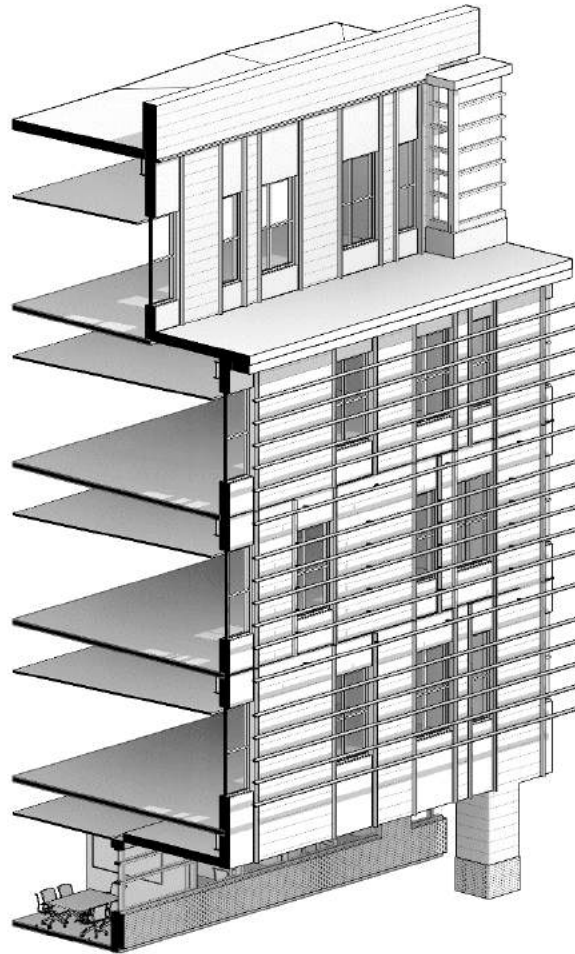
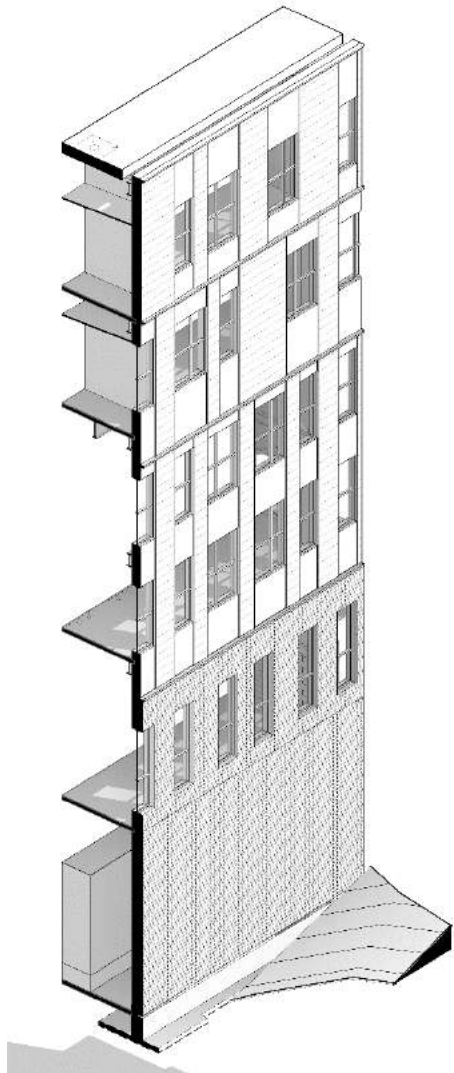




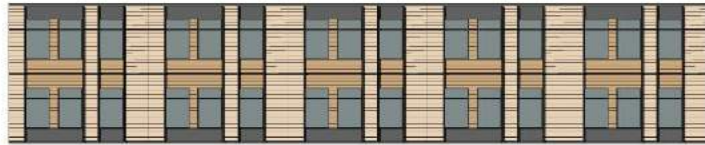
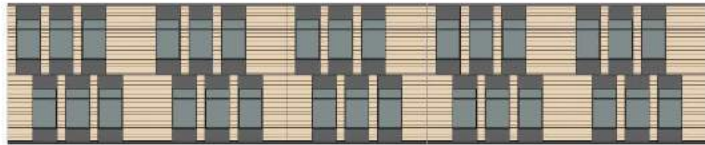
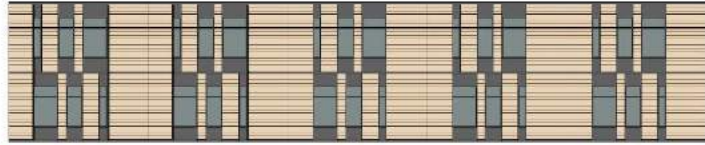




# Elevation & Window Sections



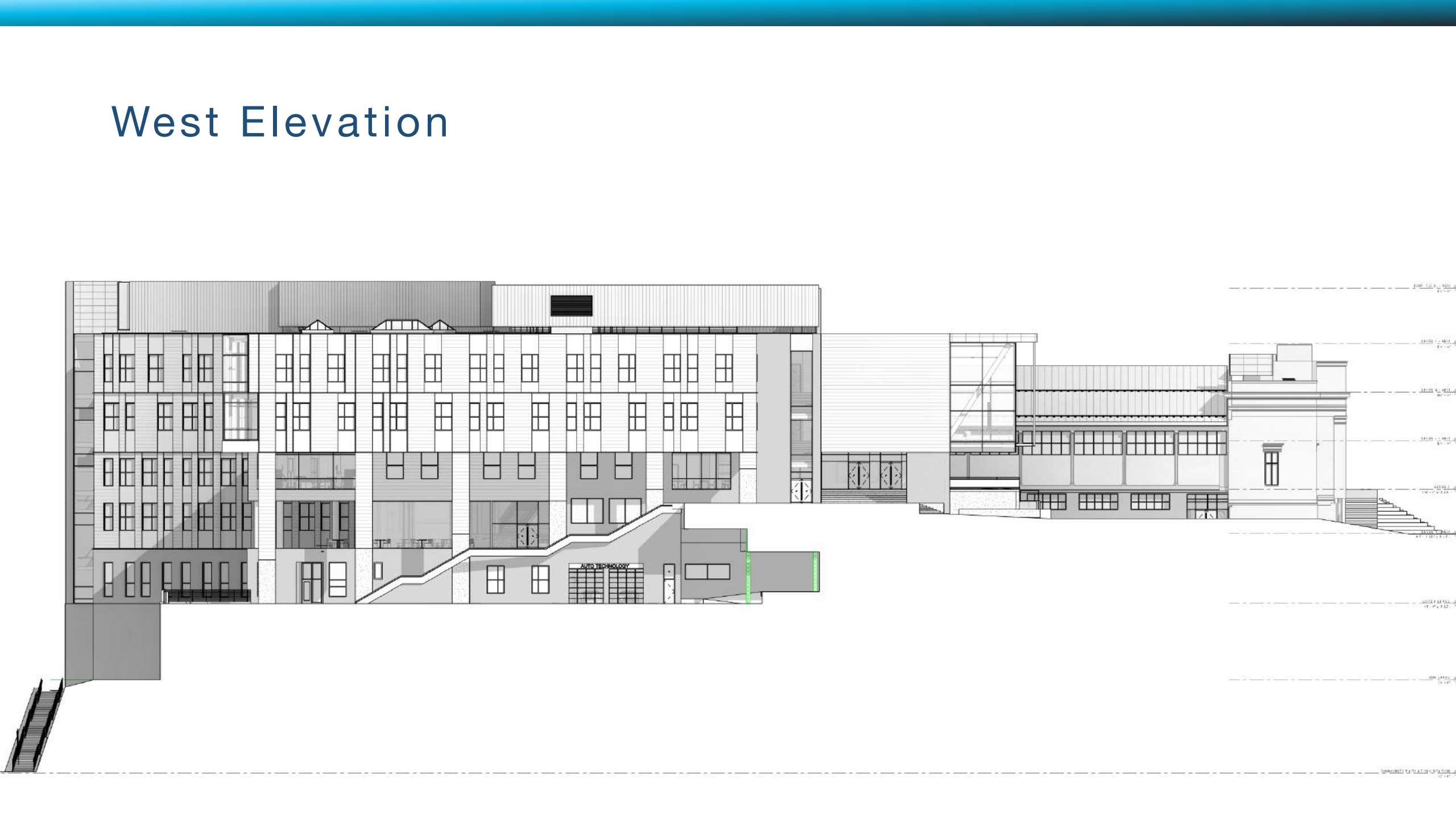






Textures





# SW Exterior Entrance Perspective





# NW Exterior Perspective



# Next Wave Full Circle Entrance





# South Elevation

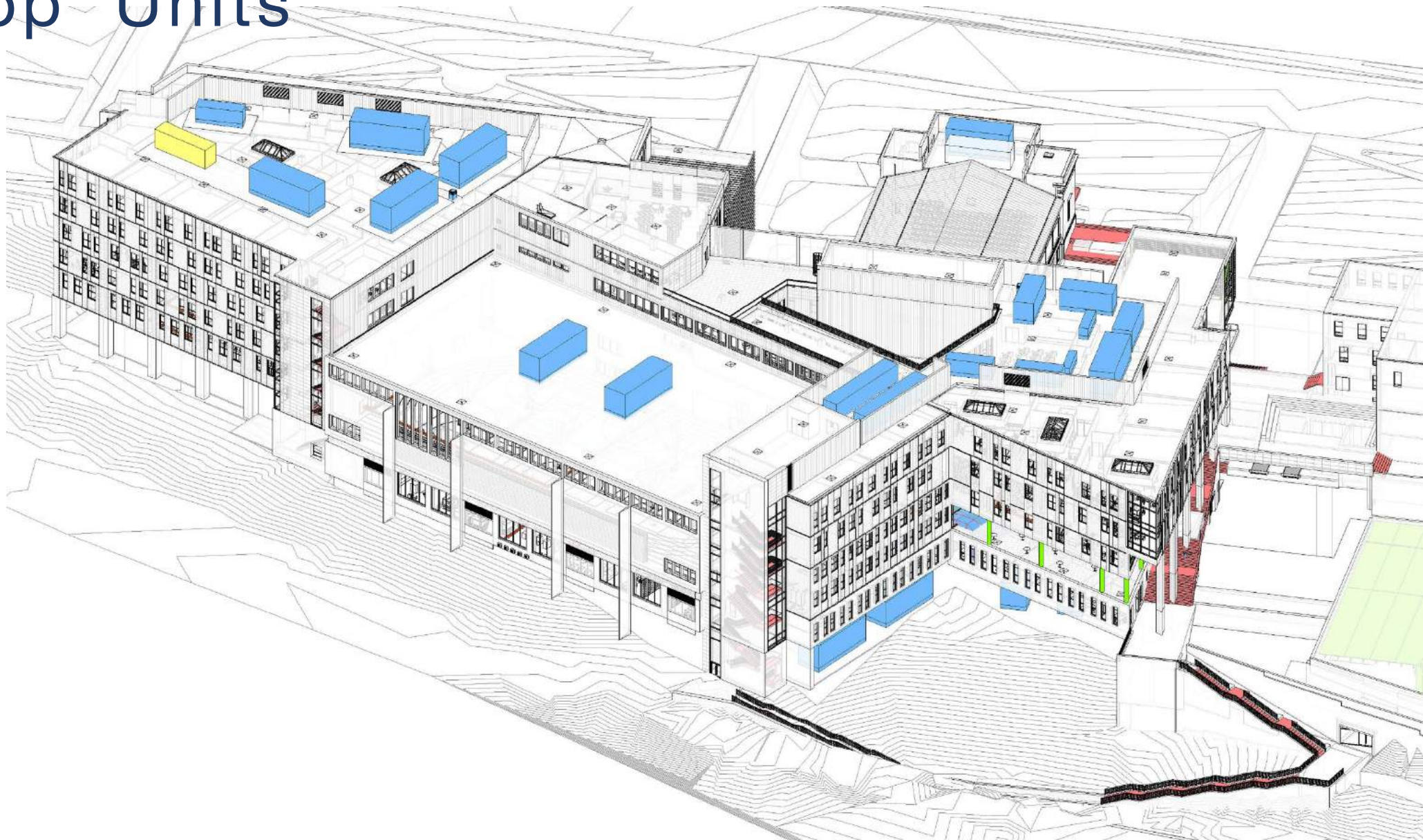


# Main Entry Perspective

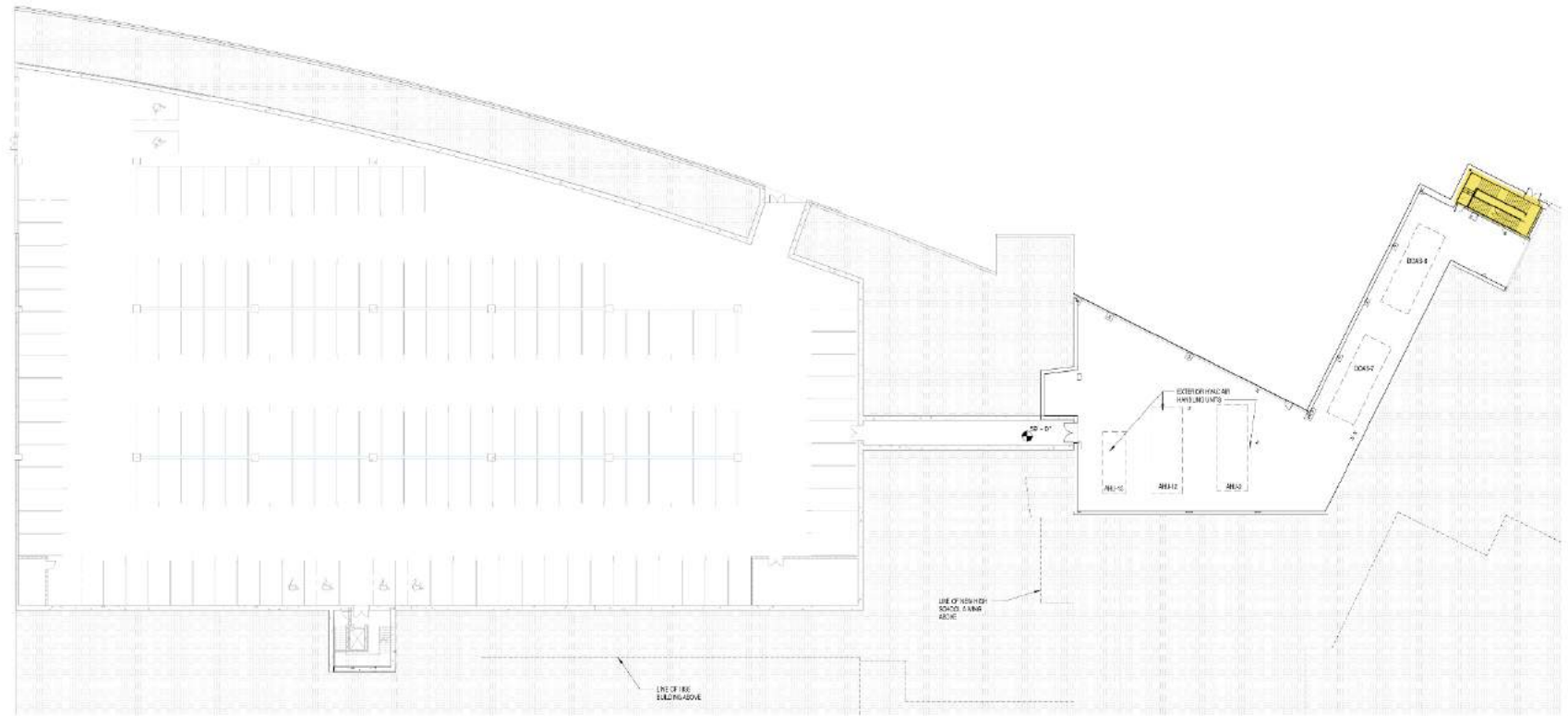




# Rooftop Units

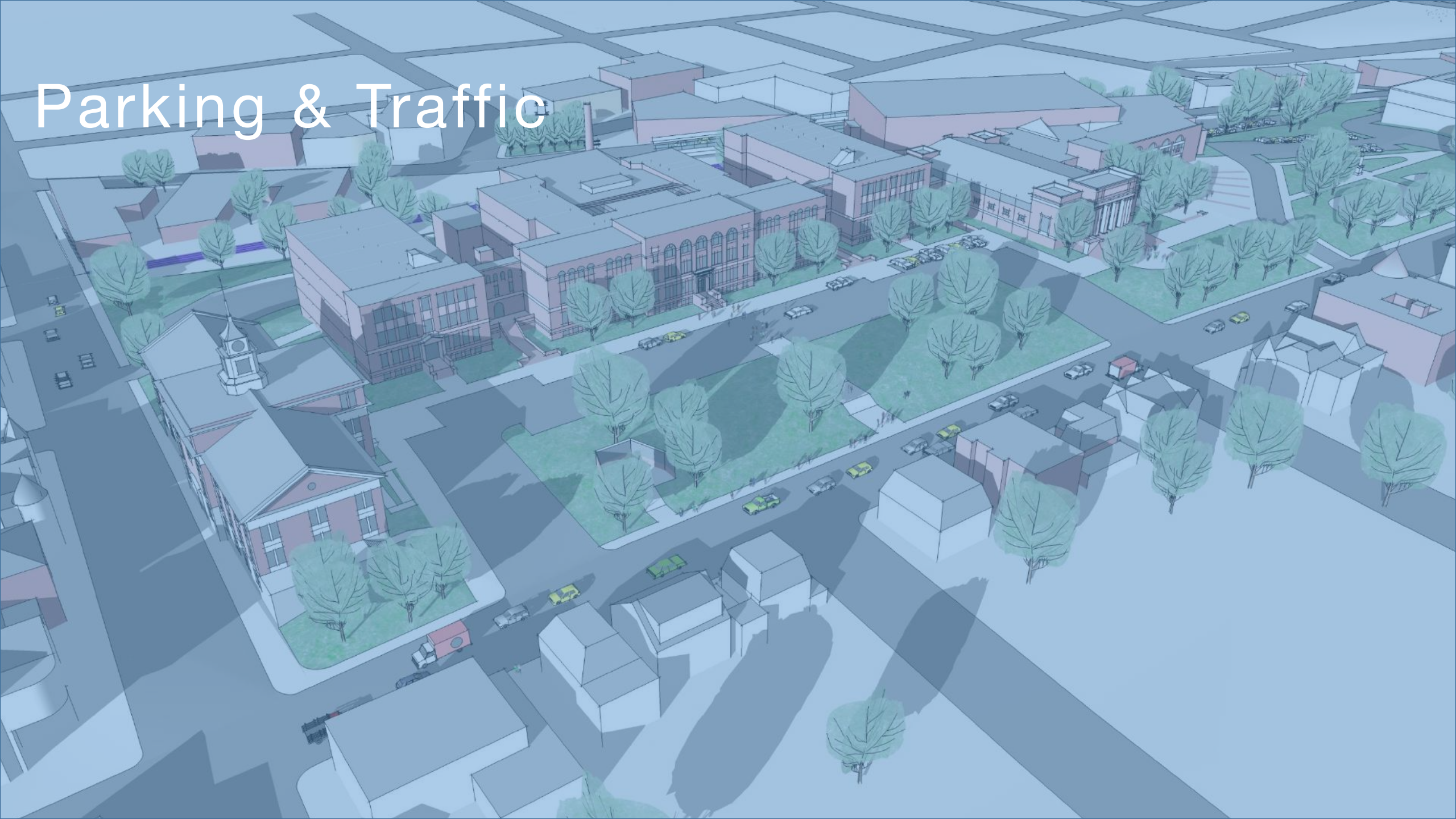


# Sub Level Plan





# Parking & Traffic



# Transportation Survey

**Faculty/Staff Transportation Survey (SHS)**

\* 1. How do you typically get to Somerville High School?

☐ Drive yourself

☐ Carpool/Vanpool

☐ Dropped off by family or friend

☐ Taxi/Uber/Lyft/Ride

☐ MBTA/Public Transit

☐ Bicycle

☐ Walk

2. What other way do you get to Somerville High School? (such as during good/bad weather, for temporary schedule changes, etc.)

☐ Drive yourself

☐ Carpool/Vanpool

☐ Dropped off by family or friend

☐ Taxi/Uber/Lyft/Ride

☐ MBTA/Public Transit

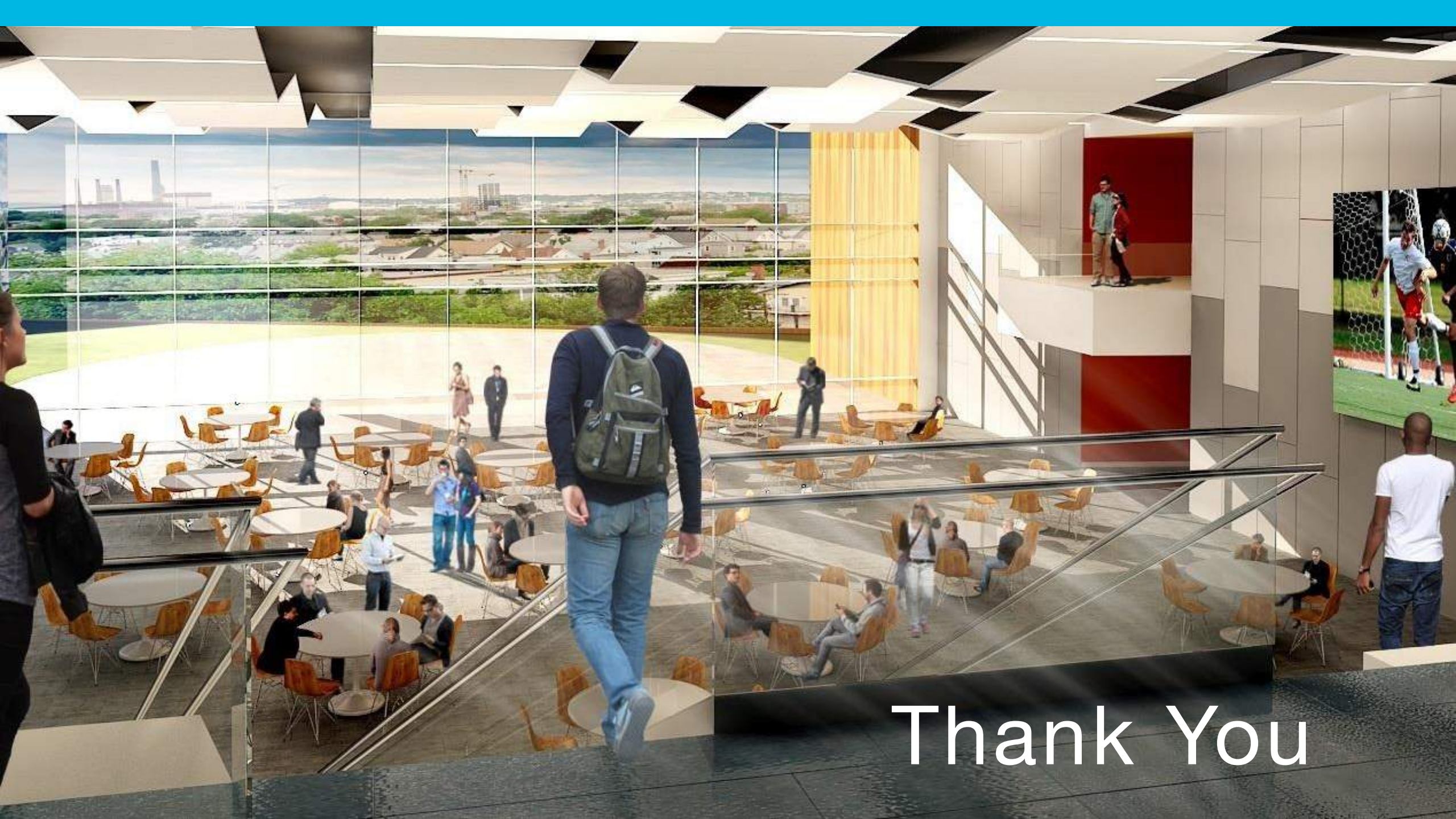
☐ Bicycle

☐ Walk

## City Parking Study

- Required by 6/22/2017 to incorporate scope into DD estimate
- Recommend survey data be collected by 4/28/2017





Thank You