

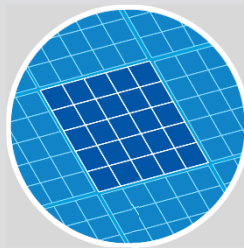
Central Hill Campus - Community Meeting

INTRODUCTION



6:00

SUSTAINABILITY



7:00

MONUMENTS



8:00

END OF MEETING



9:00

6:30



TRANSPORTATION

7:30



LANDSCAPE

8:30



OPEN DISCUSSION



SMMA

TooleDesignGroup

BCA

Campus Plan Committee

- Kristen Stelljes, Somerville Community Preservation Act Manager
- Bryan Bishop, Director of Veterans
- Glenn Ferdman, Director, Library
- Robert King, Director of Capital Projects and Planning
- Emily Monea, Director, SomerStat
- George Proakis, Director, Planning and Zoning
- Brad Rawson, Director, Transportation and Infrastructure
- Mike Tremblay, Senior Transportation Planner
- Oliver Sellers-Garcia, Director, Office of Sustainability and Environment
- Melissa Woods, Senior Long Range Planner



An architectural rendering of a large, modern building with a prominent classical portico on the right side. The building features a mix of brick and light-colored panels. The scene is set against a bright, clear sky with some light clouds. The overall tone is professional and clean.

Planning Team

SMMA

- Alex Pitkin, Senior Vice President
- Lorraine Finnegan, Principal
- Samantha Farrell, Landscape Architect
- Elizabeth Galloway, Sustainable Designer
- Laura Monies, Landscape Architect | Planner
- Erin Prestileo, Civil Engineer

Building Conservation Associates

- Lisa Howe, Director of BCA New England

Toole Design Group

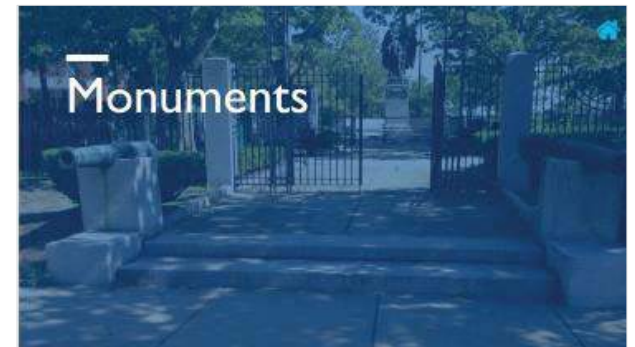
- Ashley Haire, Project Engineer
- Stephanie Weyer, Landscape Designer
- Heather Georgallas, Project Engineer



Schedule and Future Meetings

- Campus Planning Study Kick Off April 02, 2018
- Community Meeting One May 31, 2018
- Community Meeting Two Sept 13, 2018
- Community Meeting Three Oct 18, 2018
- Campus Planning Study Complete Dec 28, 2018

Agenda





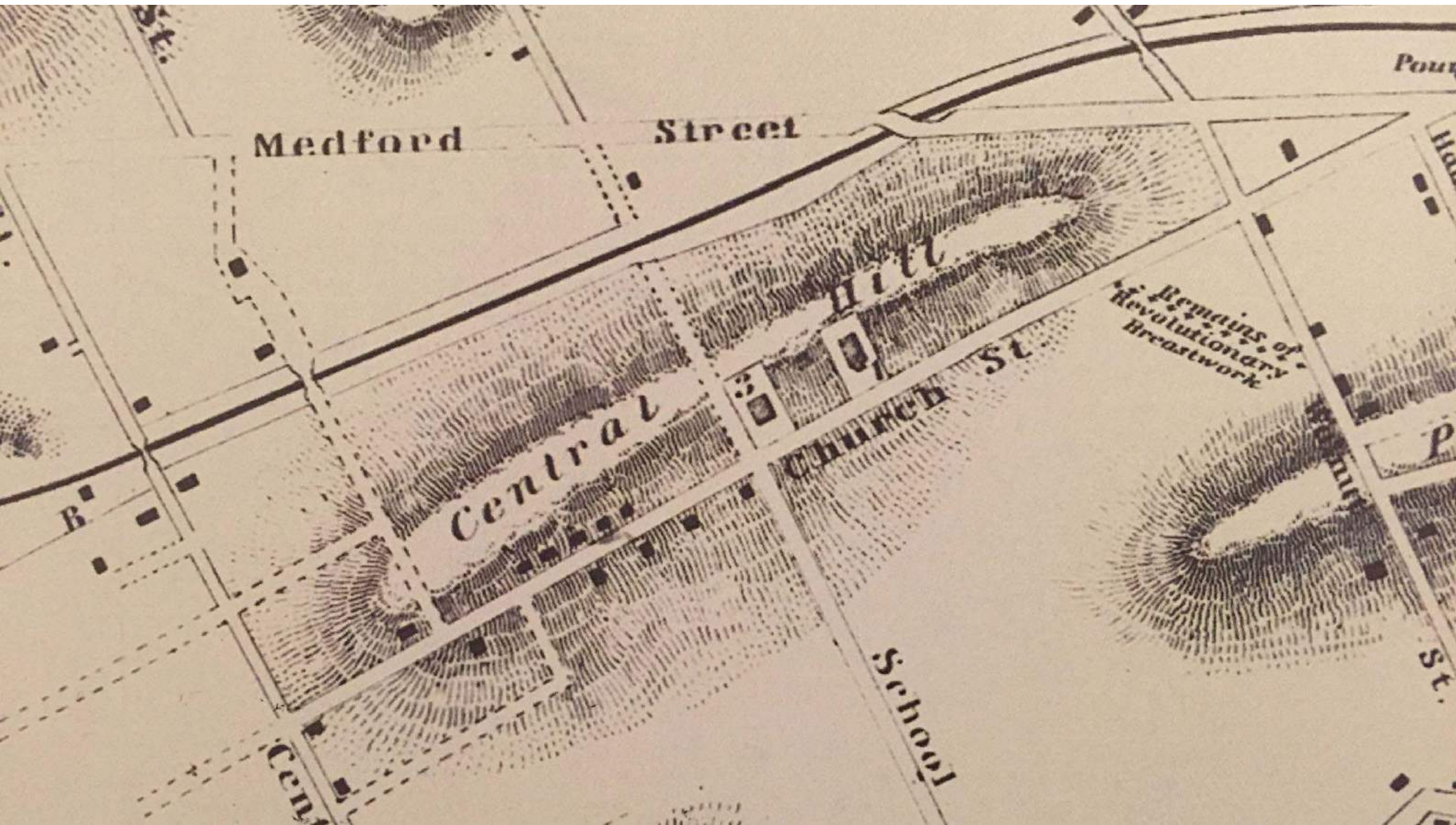
Project Introduction



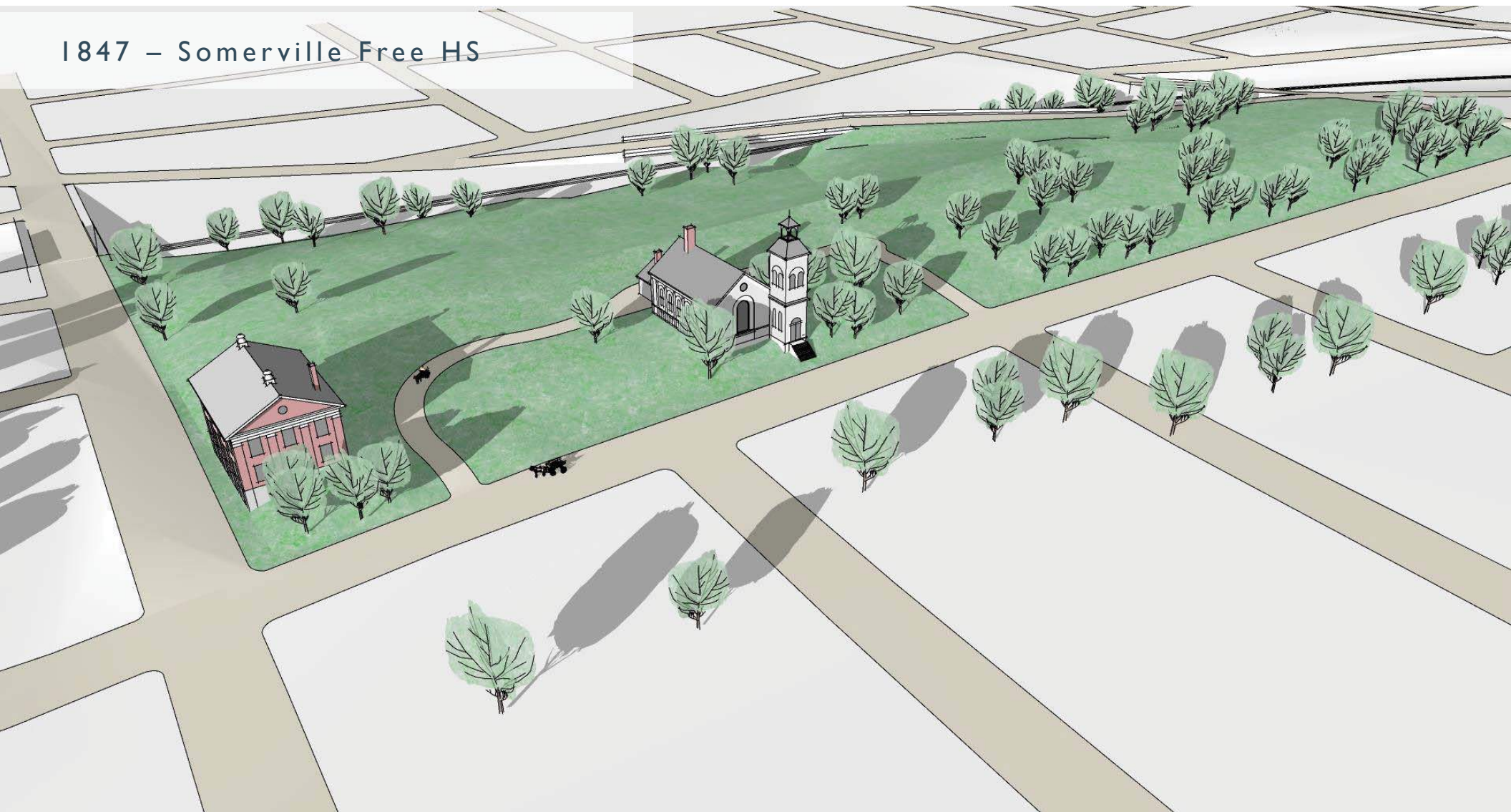
Building Connections: Linking Gilman Square to Union Square via the Central Hill Civic Campus



Somerville *by*
DESIGN



1847 – Somerville Free HS



1852 – Latin HS & Public Library



1895 – English HS



1914 – Addition to Historic Preservation Building and English HS



1927 – Somerville HS



1956 - Fire



1957 – Somerville HS



Today



2021 – Somerville HS

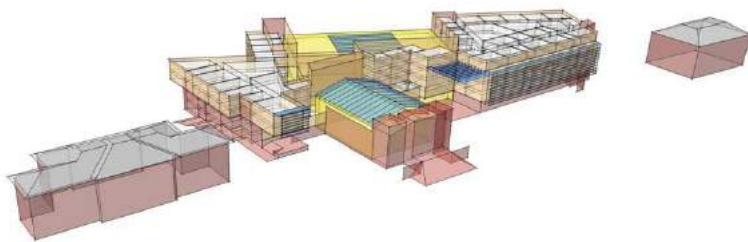




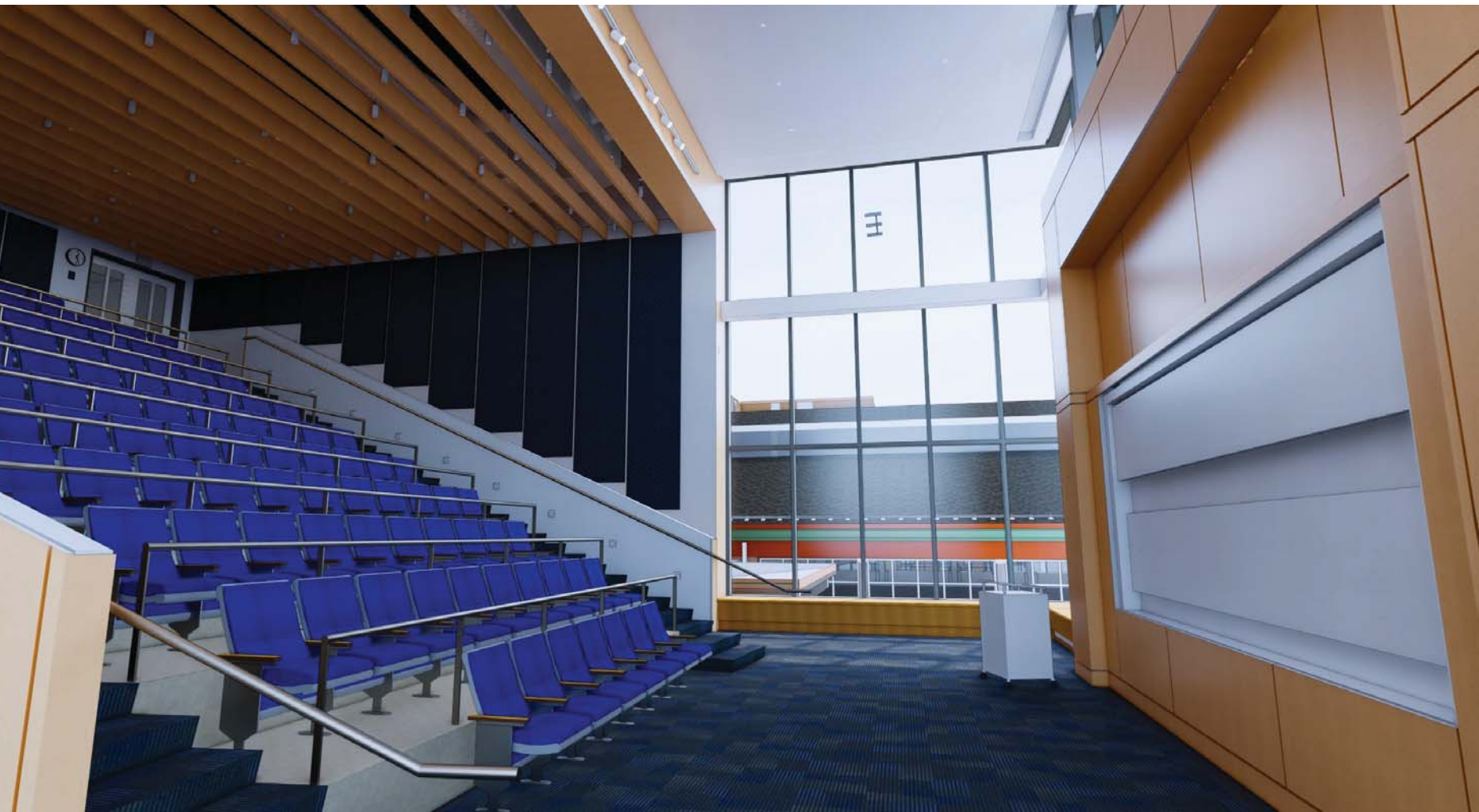
MOA Salvage Elements



Highland Avenue Perspectives



Forum/Lecture Hall



School Street Perspective



Existing

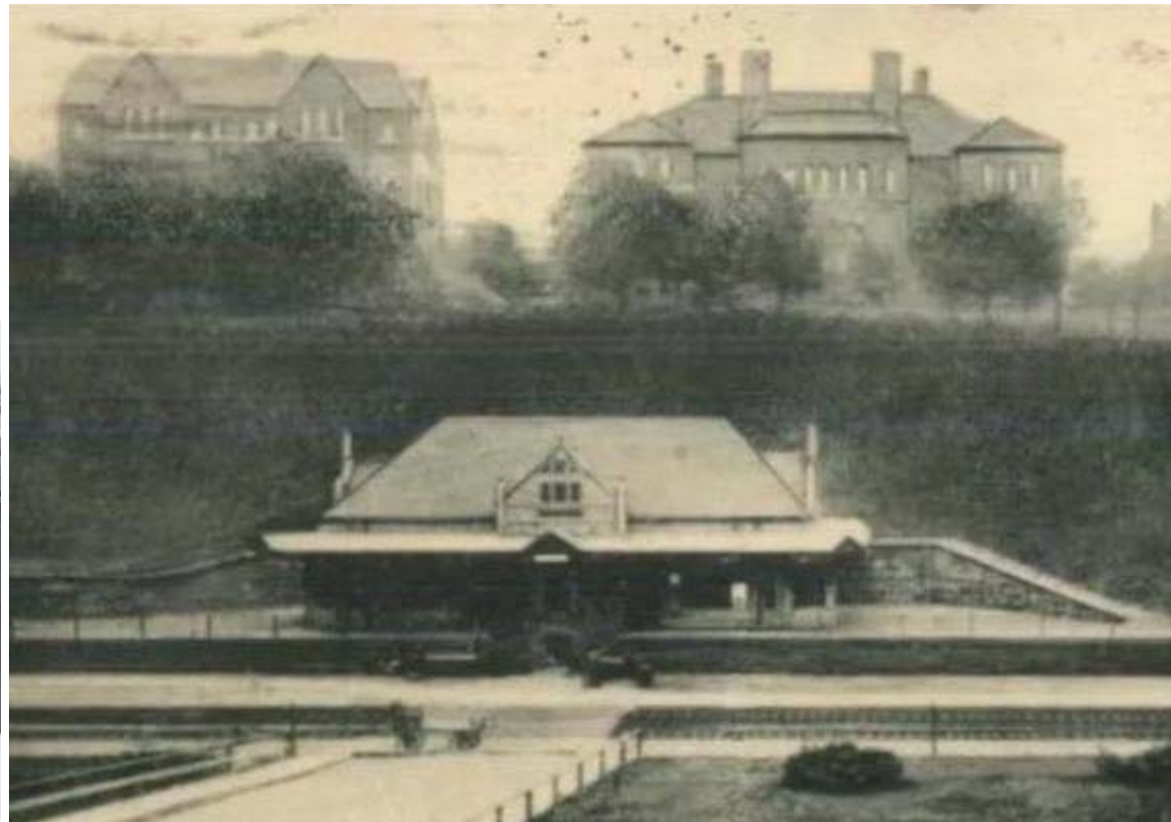


2021

Medford Street Perspective

Uniquely Central Hill

- GLX access
- Creation of New Open Space
- Balance of Neighborhood & Civic uses



Environmental Graphics: Honor Wall



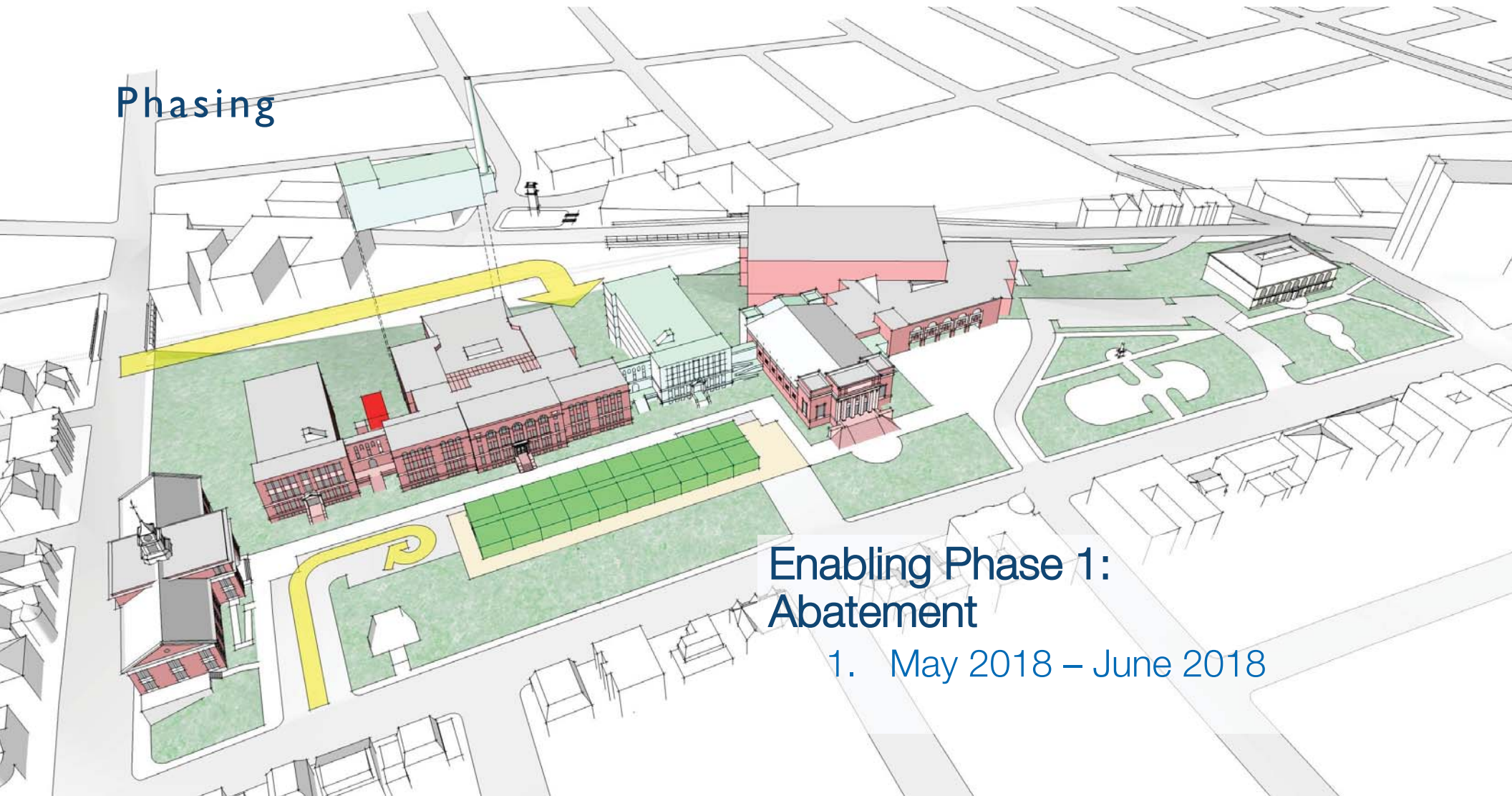
Phasing

An aerial architectural rendering of a campus. A yellow arrow points from the left towards a red building. A yellow 'P' is visible in a parking lot area. The rendering shows various buildings, a baseball field, and surrounding streets.

Enabling Phase 1: Install Modular Classrooms

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

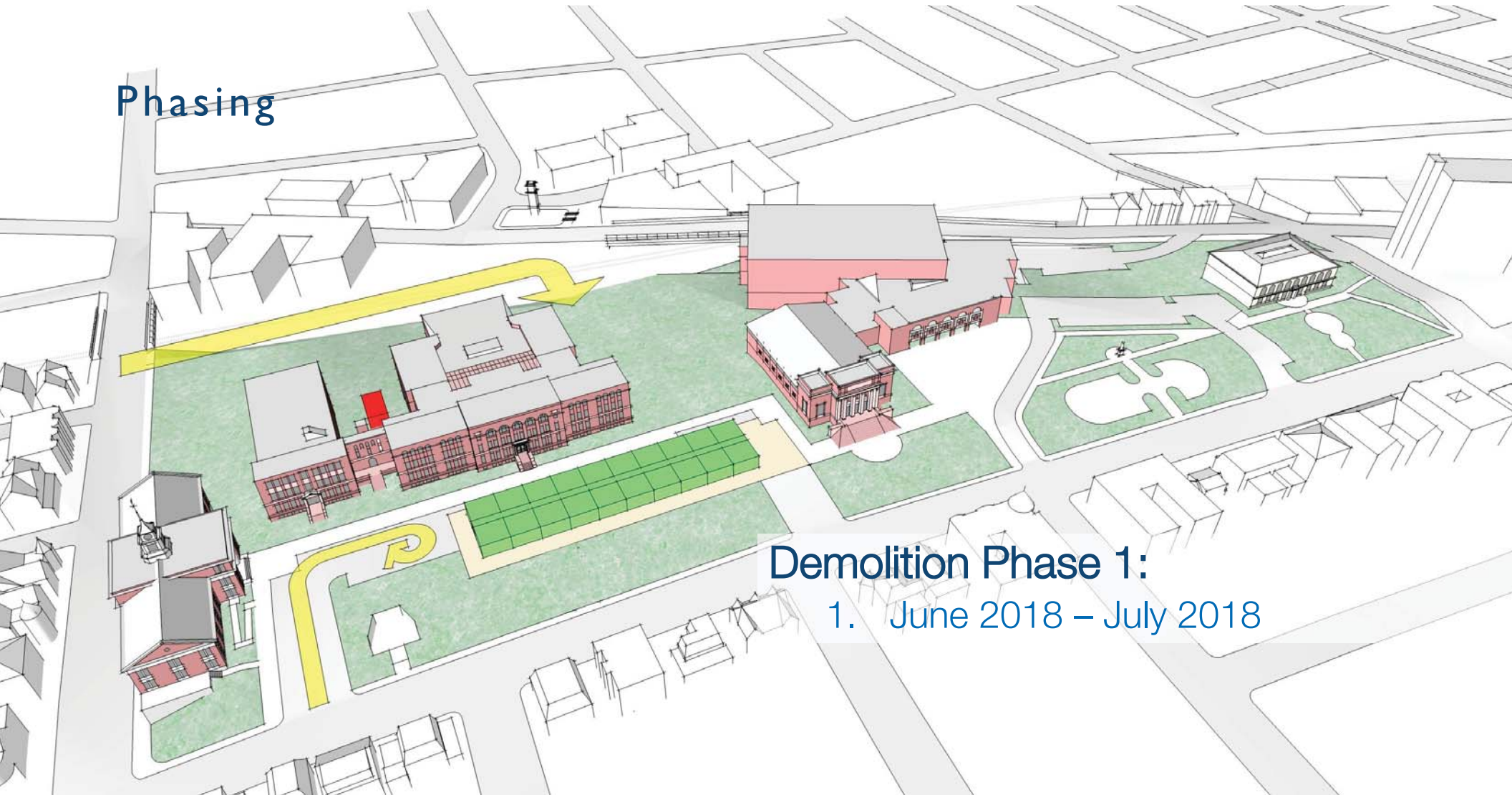
Phasing



Enabling Phase 1: Abatement

1. May 2018 – June 2018

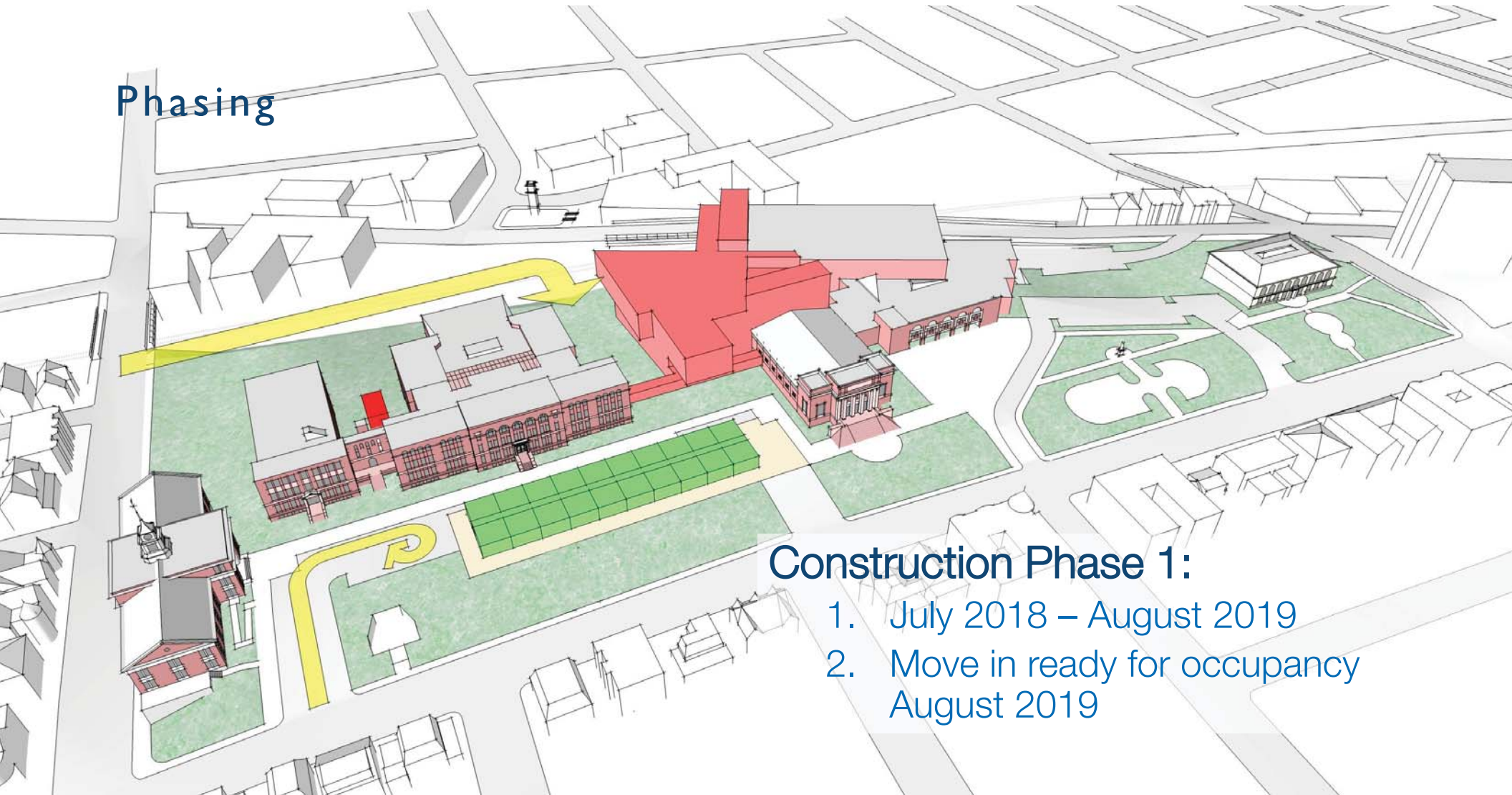
Phasing



Demolition Phase 1:

1. June 2018 – July 2018

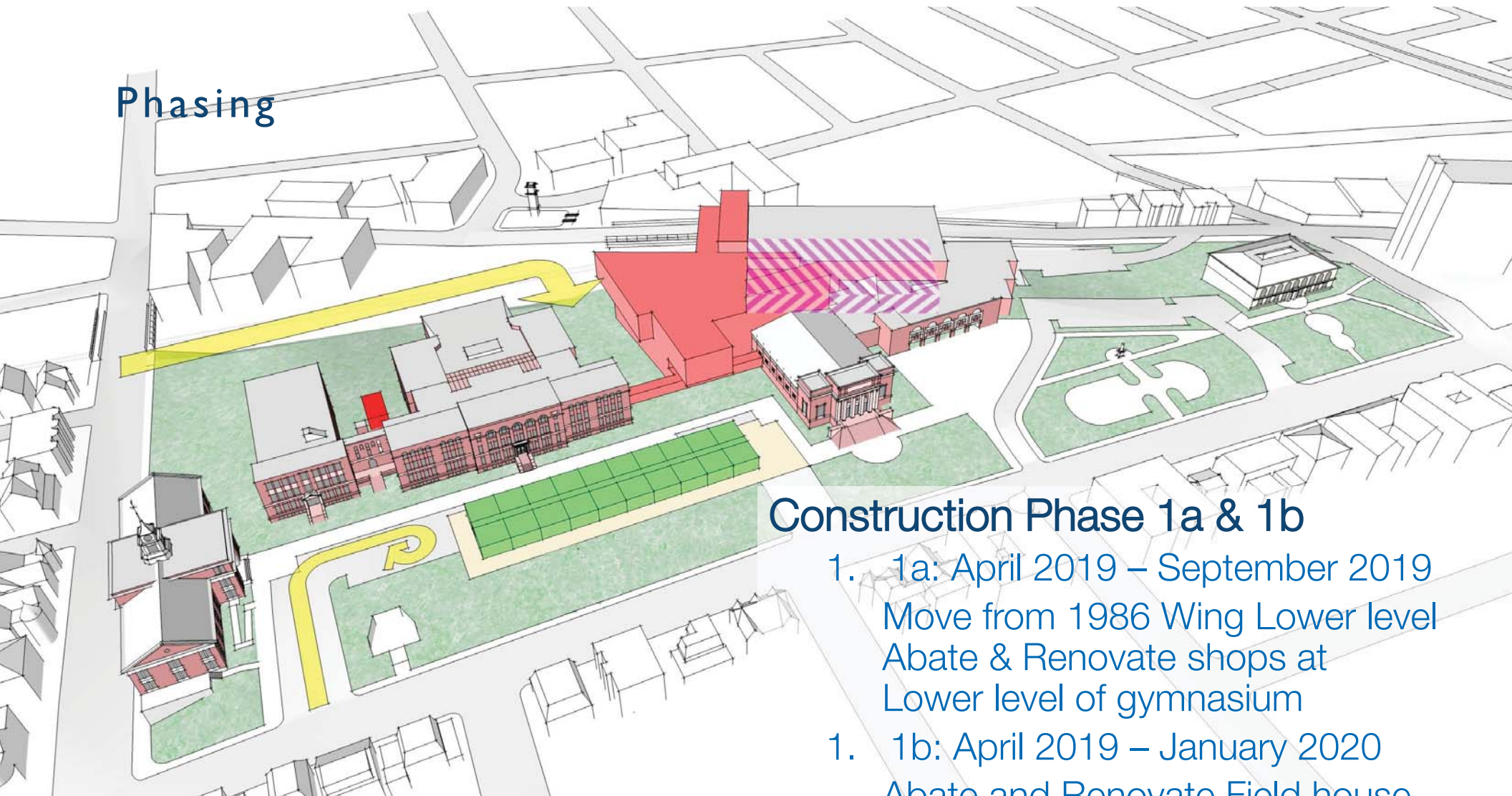
Phasing



Construction Phase 1:

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

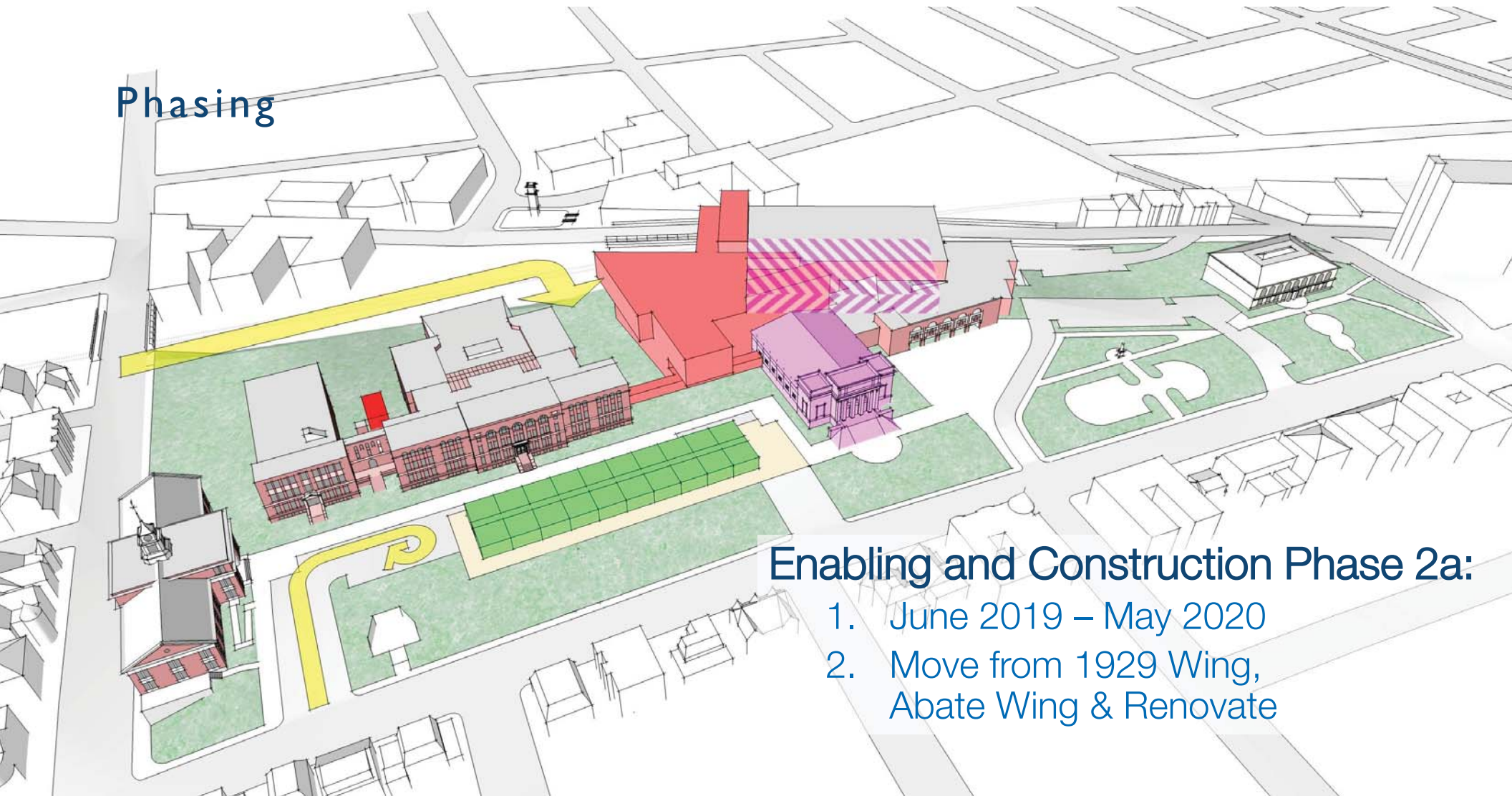
Phasing



Construction Phase 1a & 1b

1. 1a: April 2019 – September 2019
Move from 1986 Wing Lower level
Abate & Renovate shops at
Lower level of gymnasium
1. 1b: April 2019 – January 2020
Abate and Renovate Field house

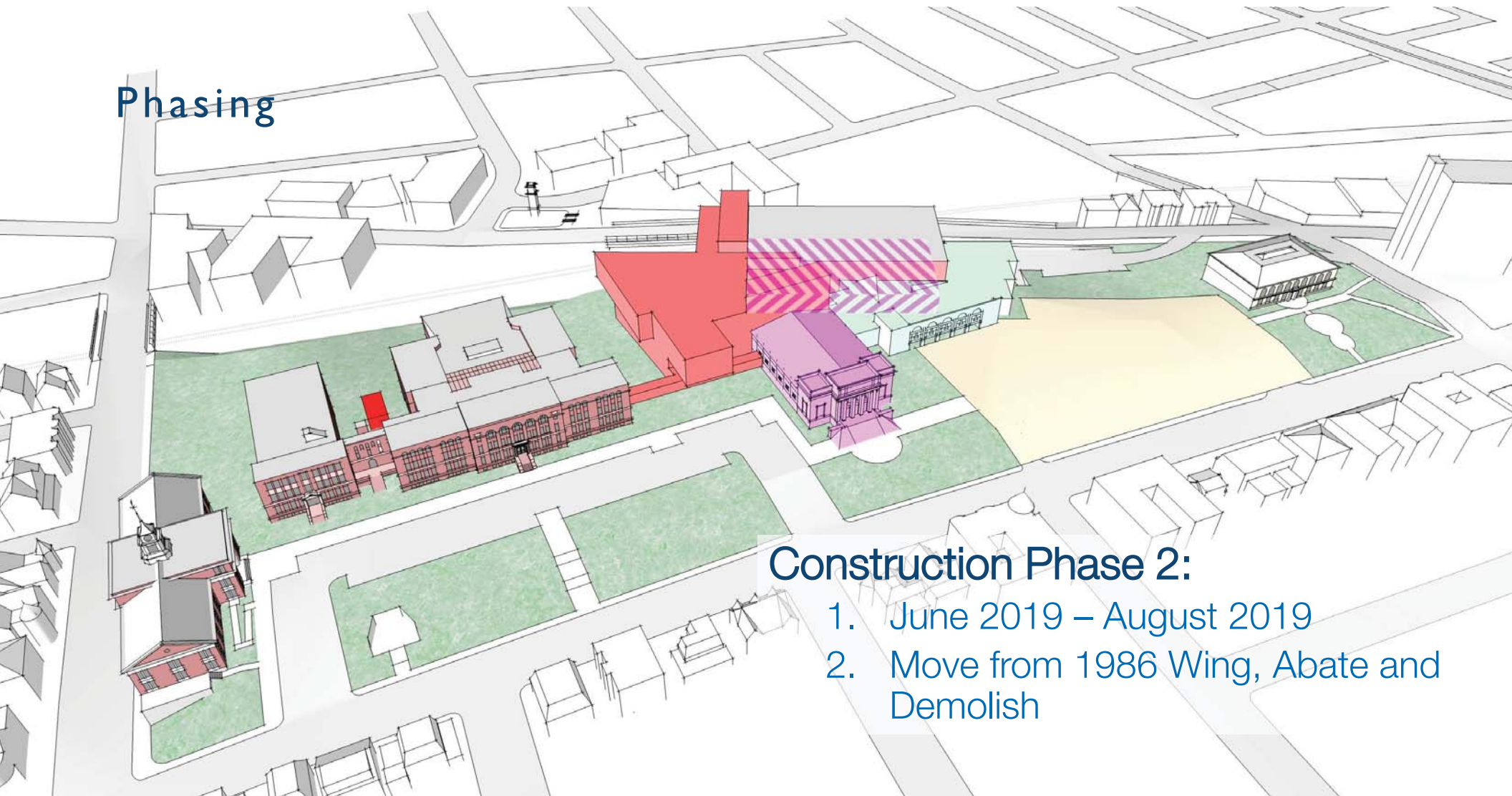
Phasing



Enabling and Construction Phase 2a:

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

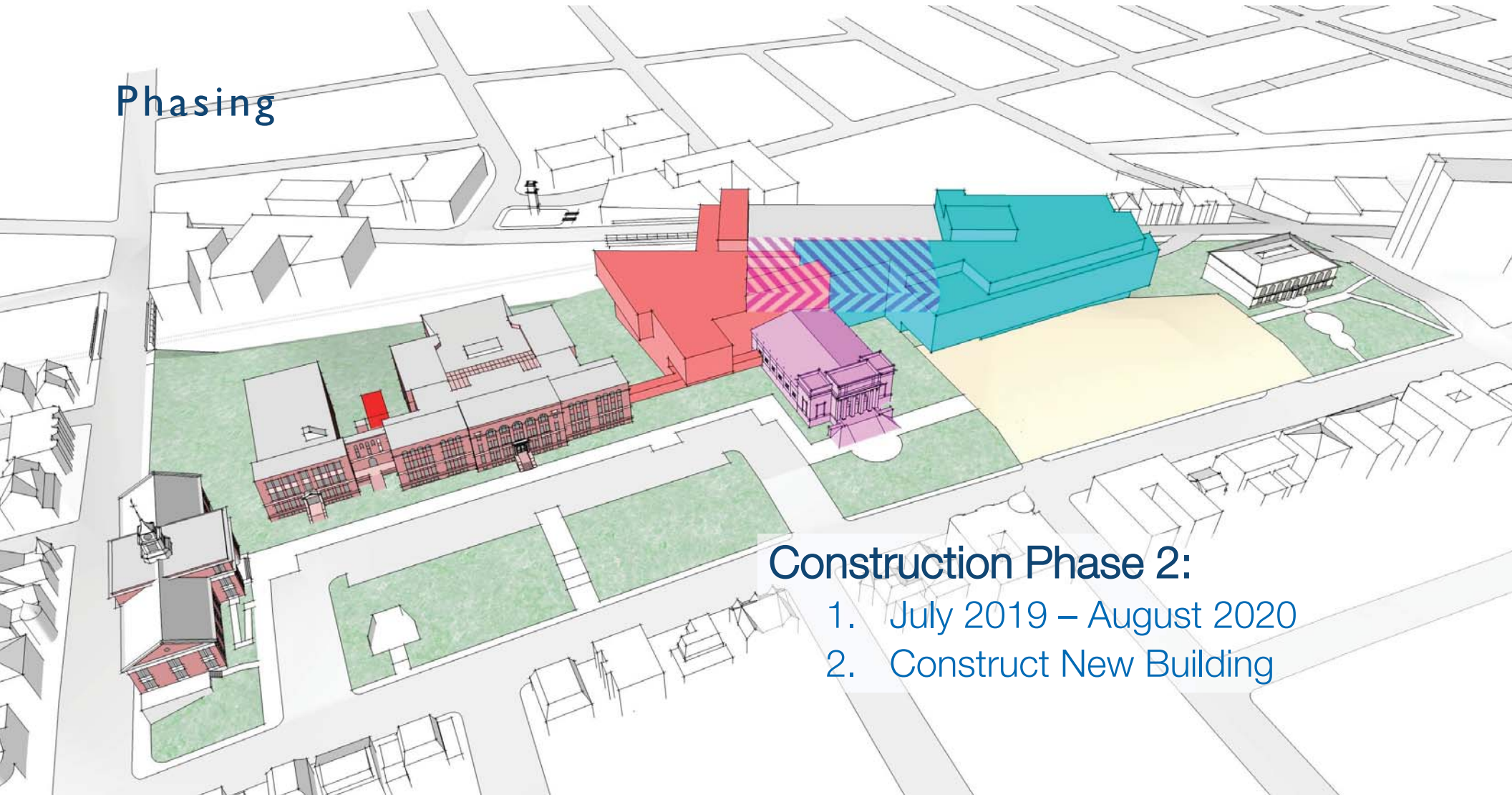
Phasing



Construction Phase 2:

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

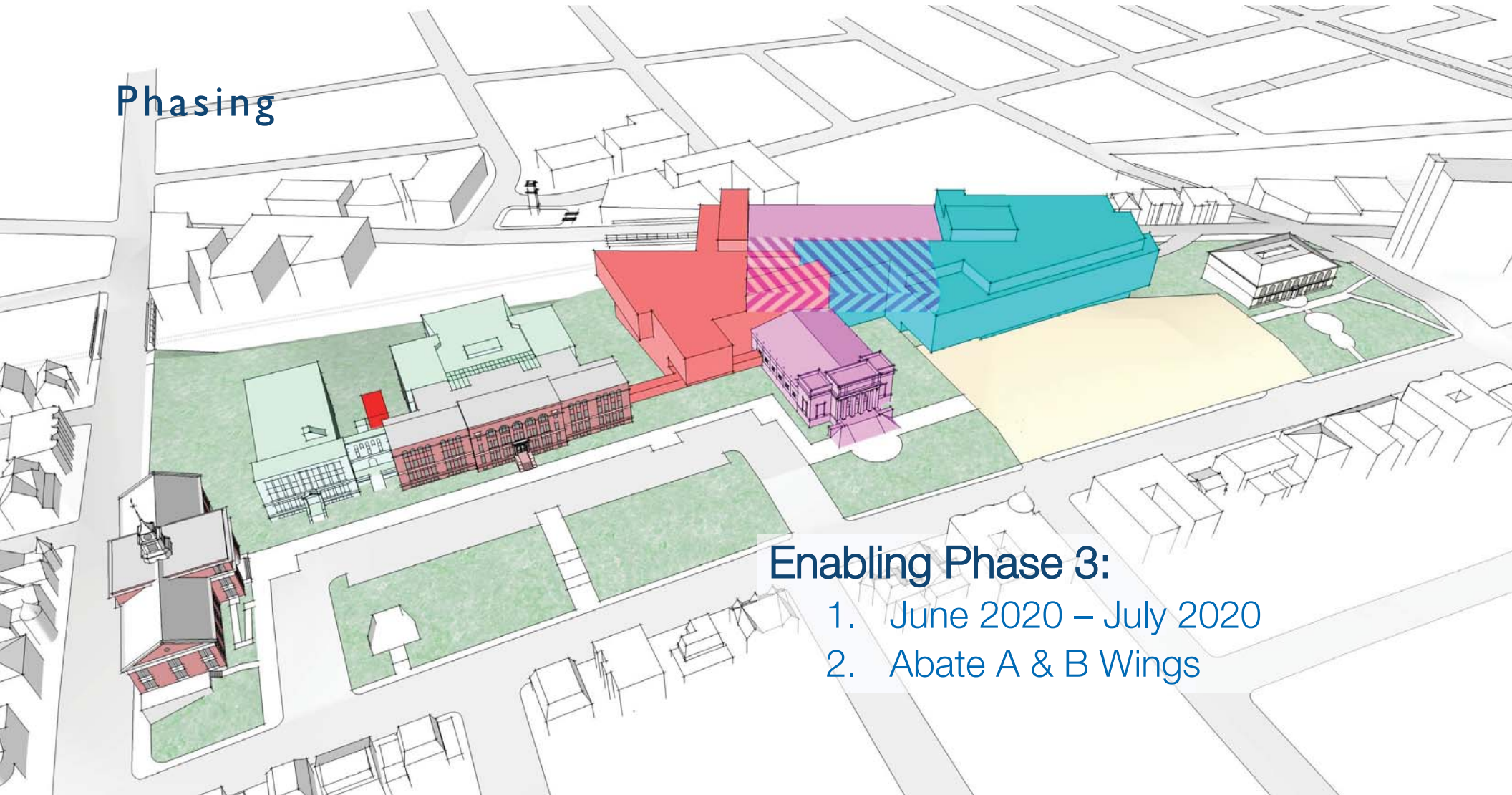
Phasing



Construction Phase 2:

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

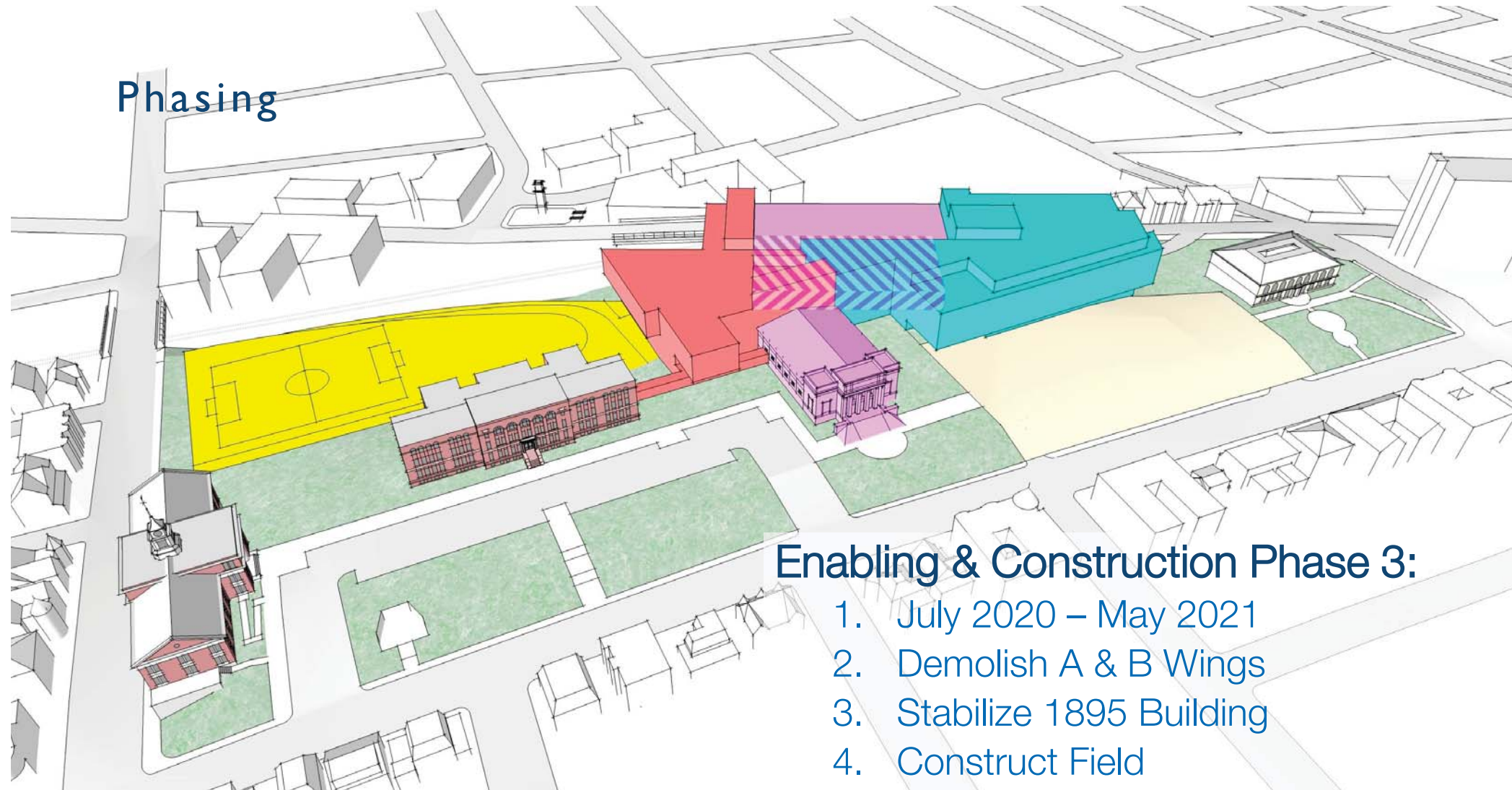
Phasing



Enabling Phase 3:

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

Phasing



Enabling & Construction Phase 3:

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



To View Site Construction Activity, go to:
www.somervillema.gov/highschool/



Site Planning



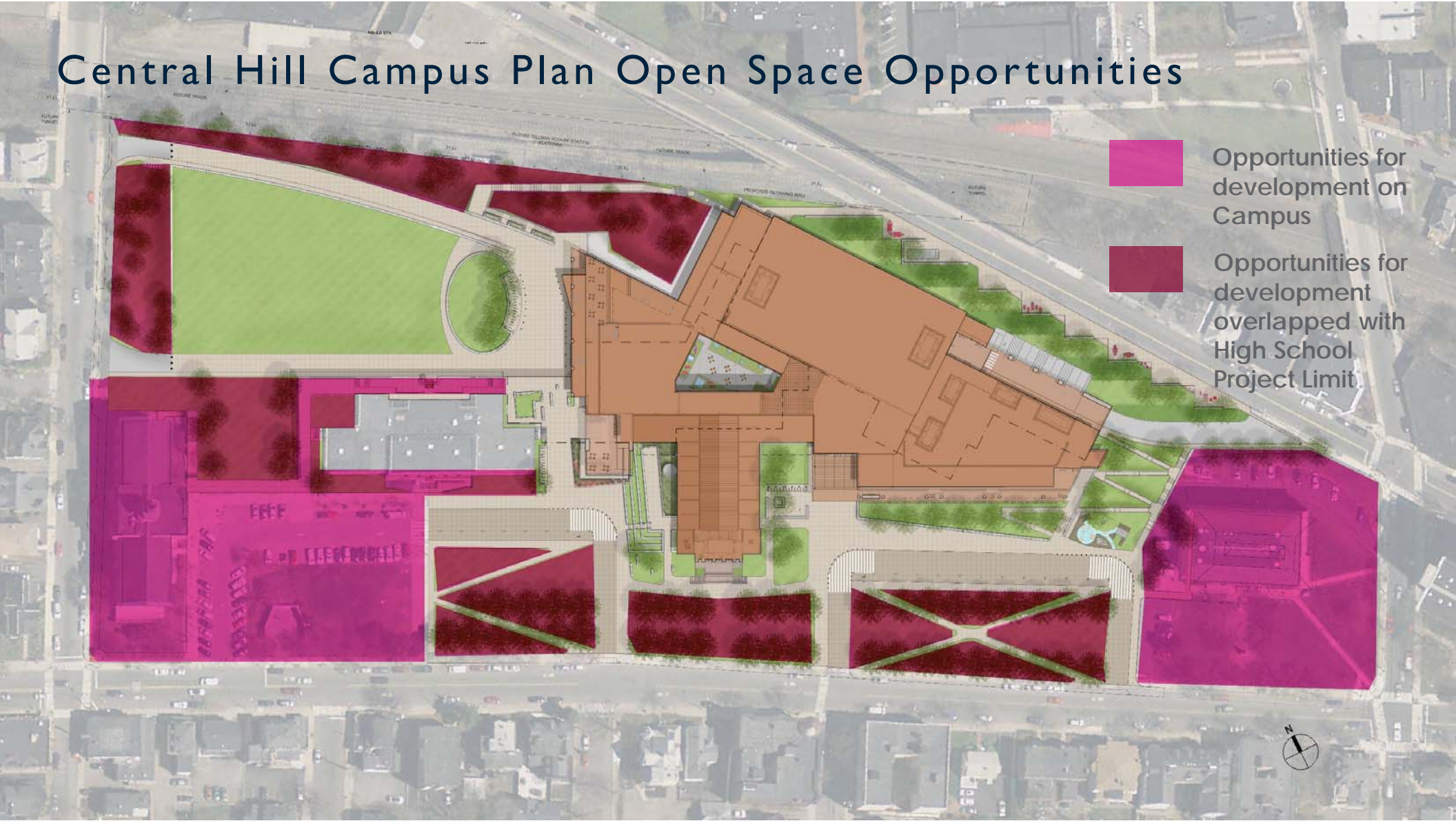
High School Master Plan Study



SHS Plan Project Limits



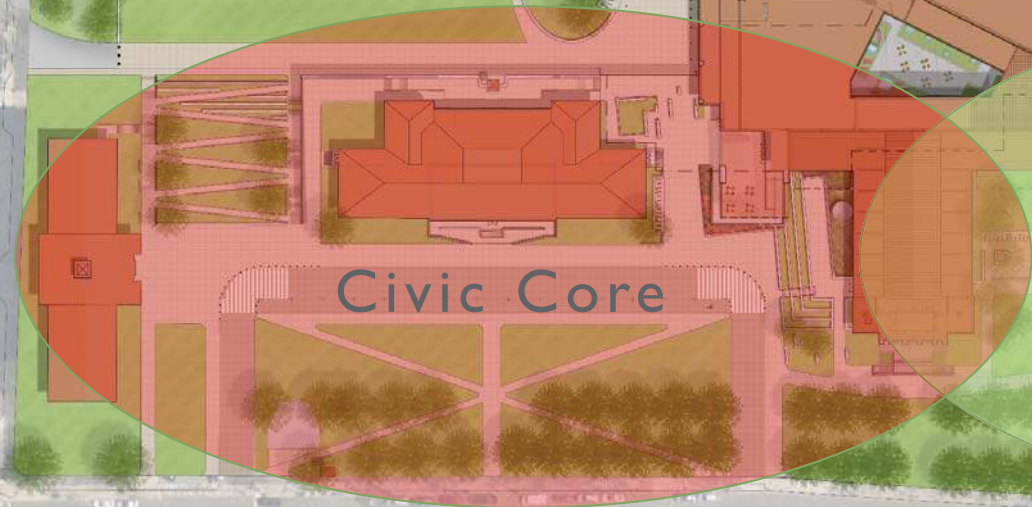
Central Hill Campus Plan Open Space Opportunities



- Opportunities for development on Campus
- Opportunities for development overlapped with High School Project Limit



Campus Organization



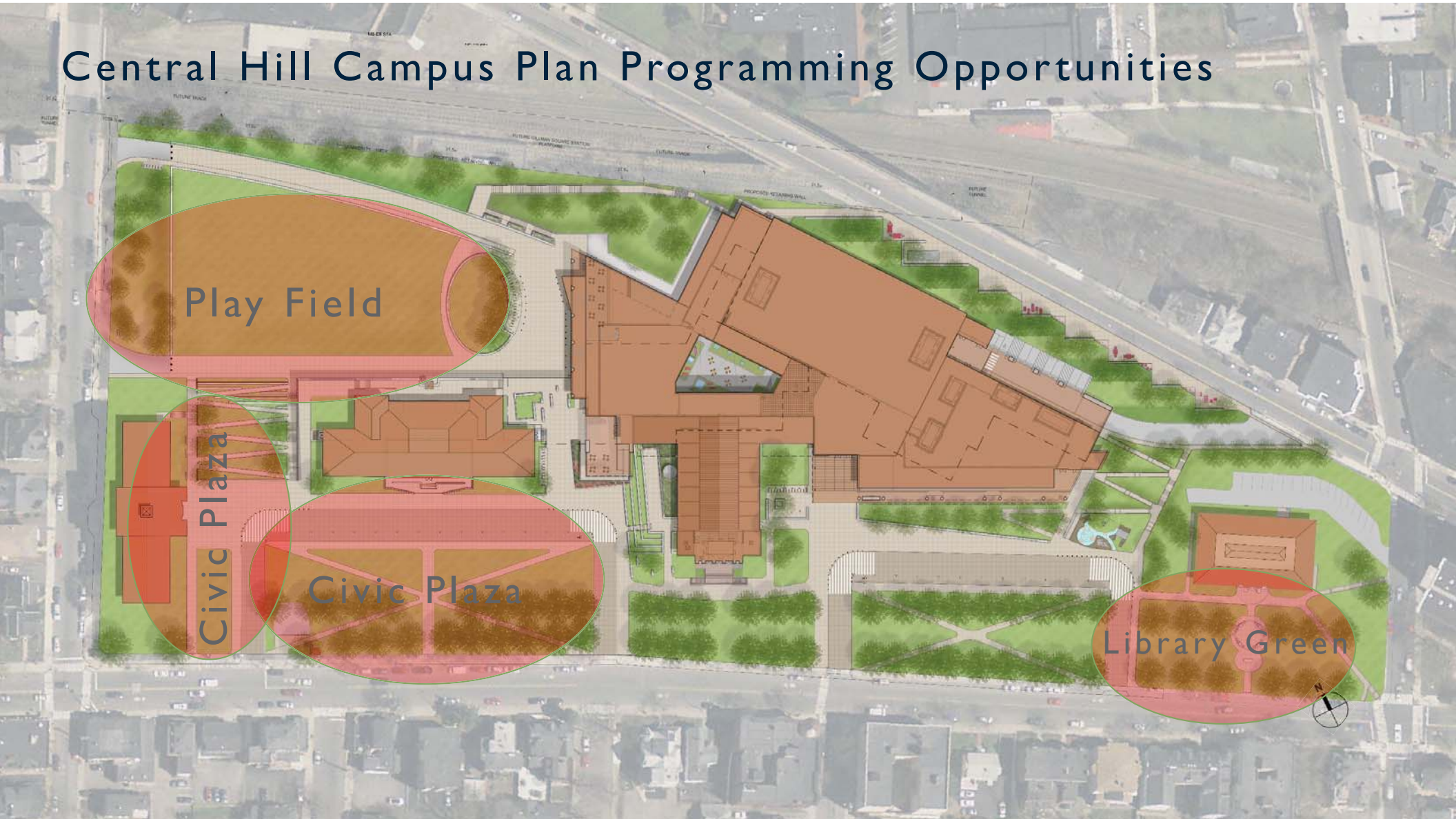
Civic Core



Academic Core



Central Hill Campus Plan Programming Opportunities



An architectural rendering of a modern, multi-story school building with a mix of brick, wood paneling, and large glass windows. The building has a prominent glass-enclosed staircase or atrium area. The sky is blue with light clouds, and there are some green trees in the foreground and background.

Discussion

For more information:

www.somervillema.gov/highschool/
www.somervillema.gov/centralhillplan

Somerville High School Construction Camera:

<https://app.oxblue.com/open/suffolk/somervillehighschool>

Parking Meeting June 20th



— Transportation



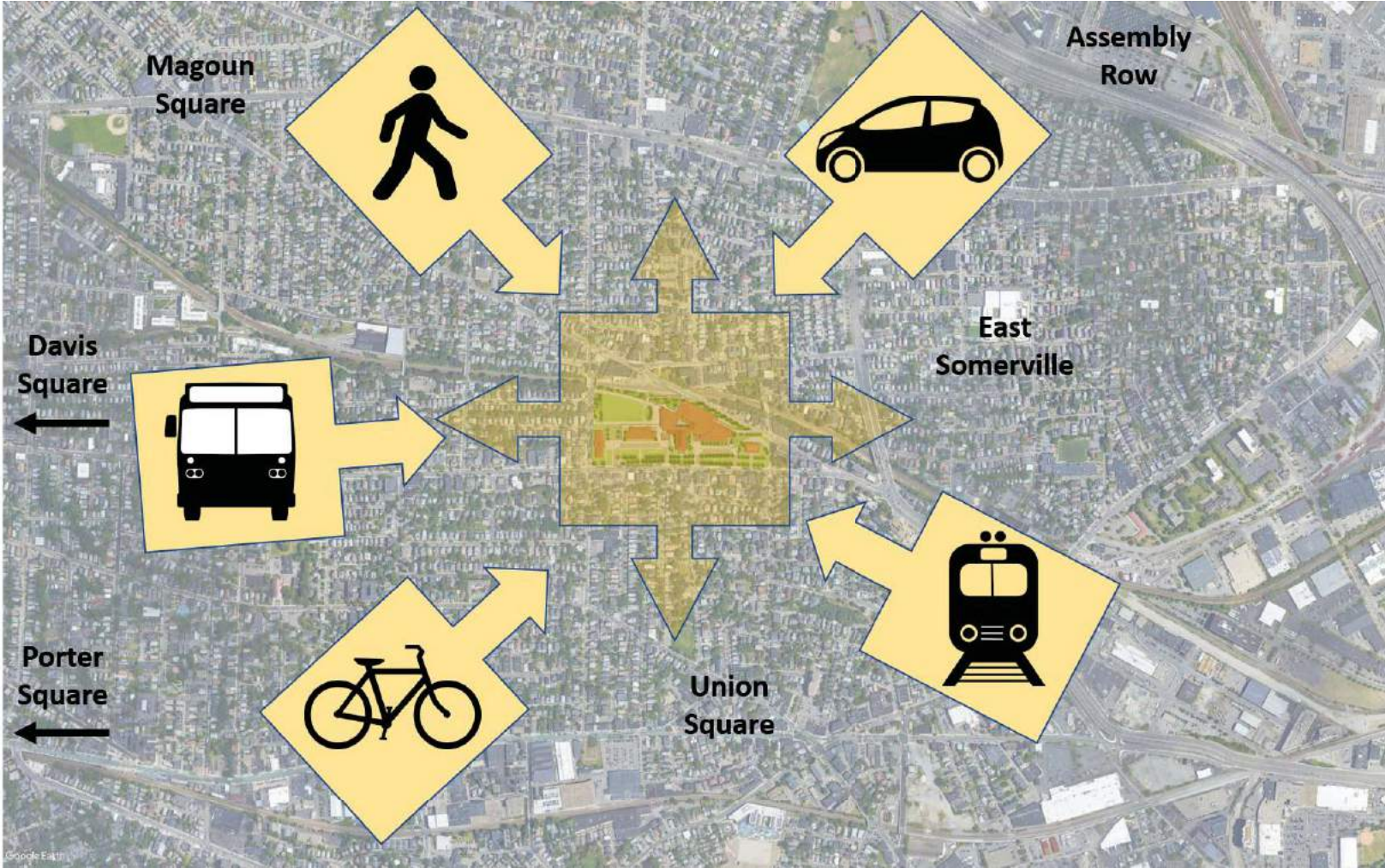
Site Multi-modal Use



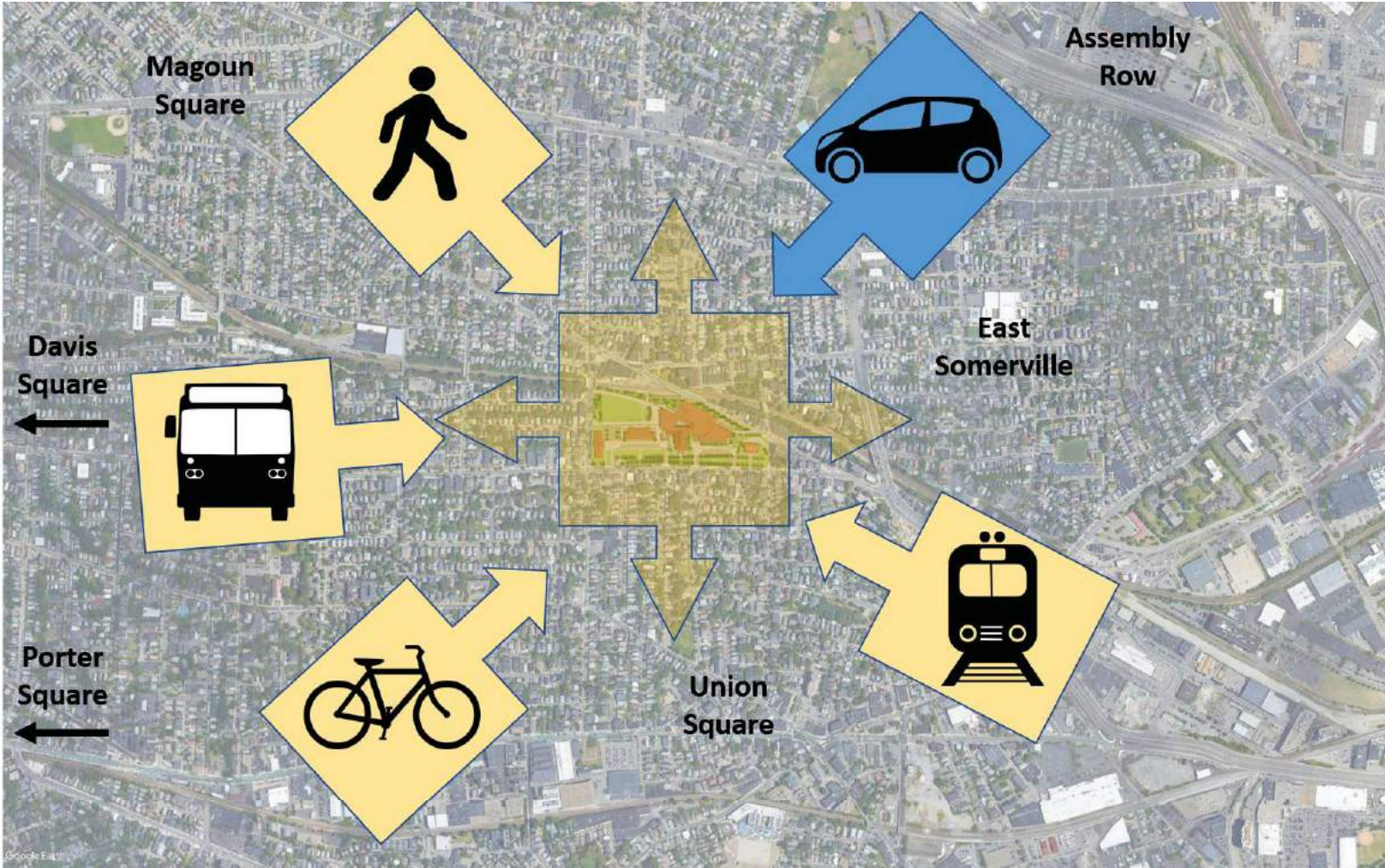
Site Multi-Modal Use and Network Connections



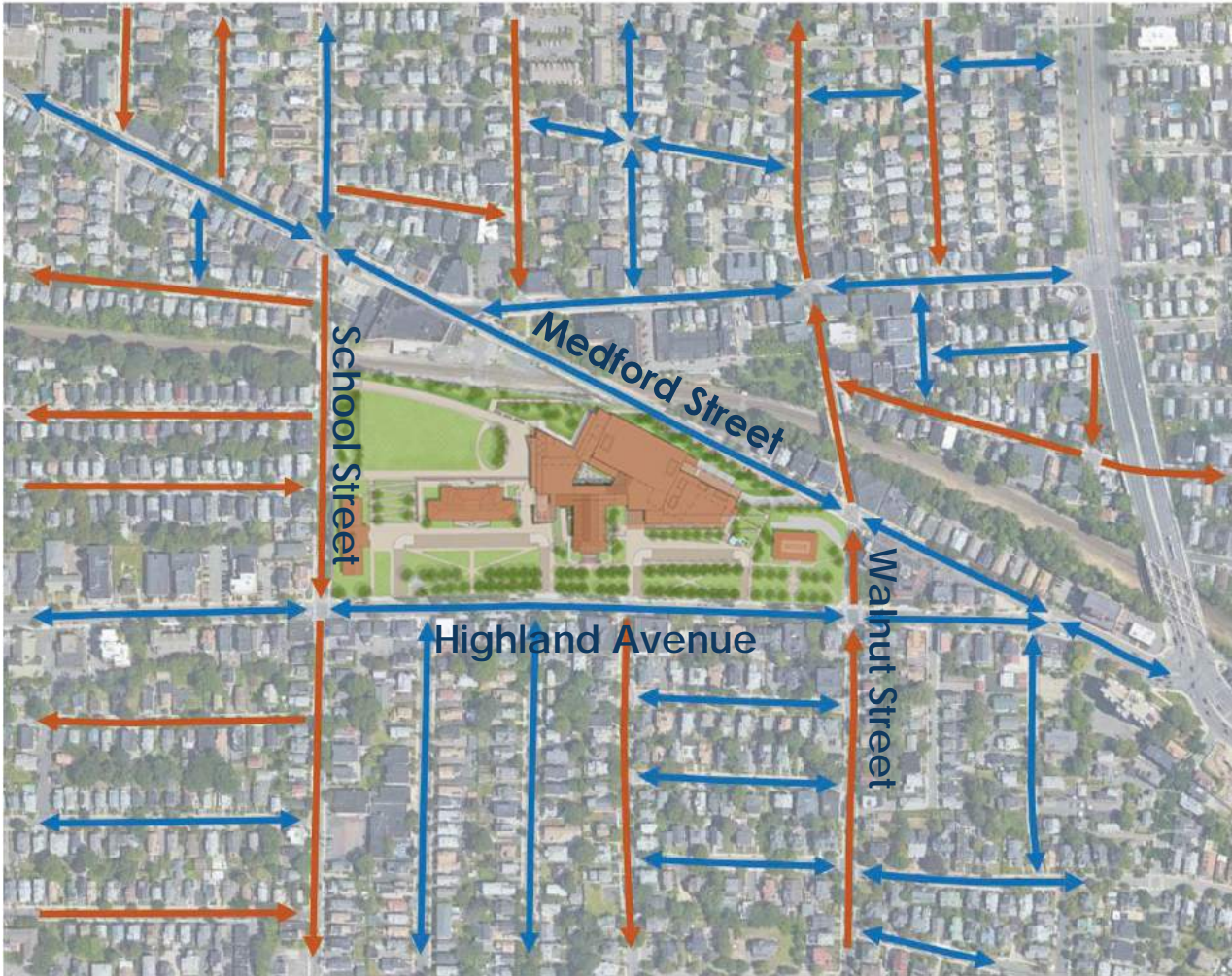
Multi-modal Network Connections



Multi-modal Network Connections: Driving



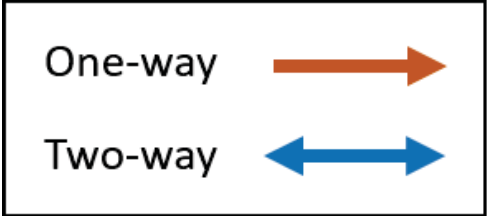
Multi-modal Network Connections: Driving



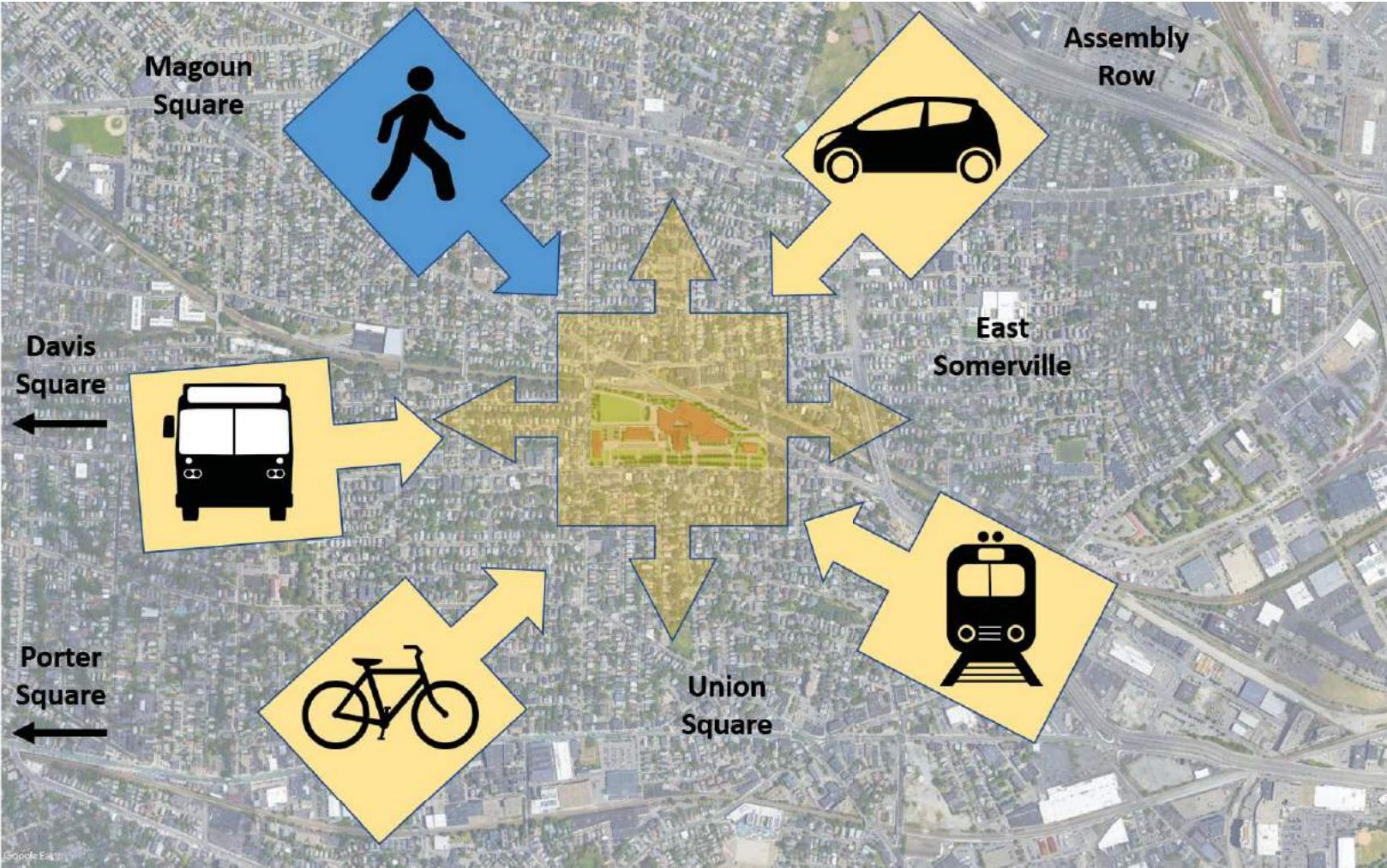
Coming to the Central Hill Campus is easier if you've done it before!

It's easy to get turned around on the street network if you're driving!

Would wayfinding signage help?



Multi-modal Network Connections: Walking



Multi-modal Network Connections: Walking



Access points at signalized intersections on corners of campus

Calling pedestrian WALK signal requires pressing button

One mid-block crossing at Vinal Street

Multi-modal Network Connections: Walking

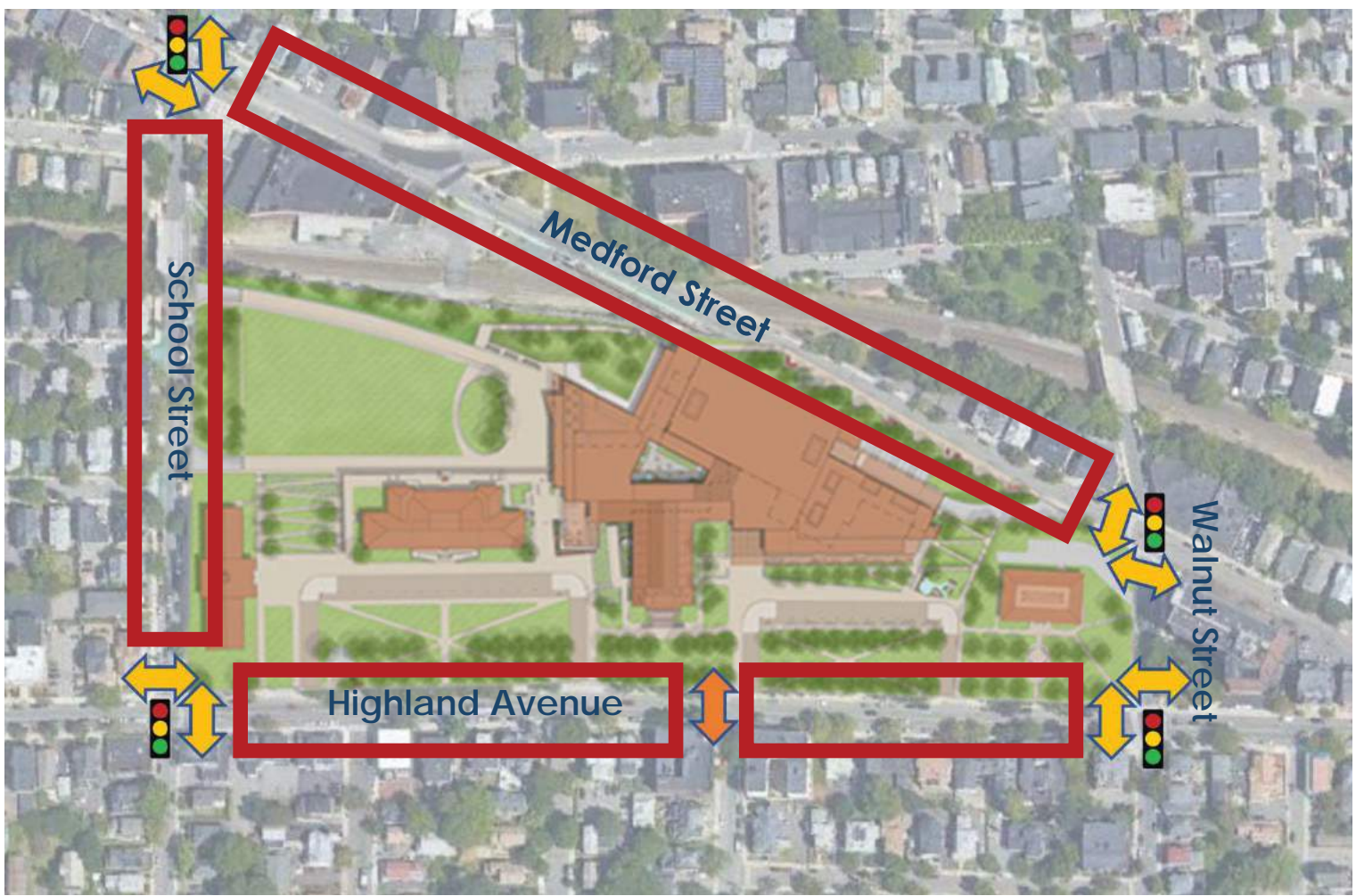


Access points at signalized intersections on corners of campus

Calling pedestrian WALK signal requires pressing button

One mid-block crossing at Vinal Street

Multi-modal Network Connections: Walking



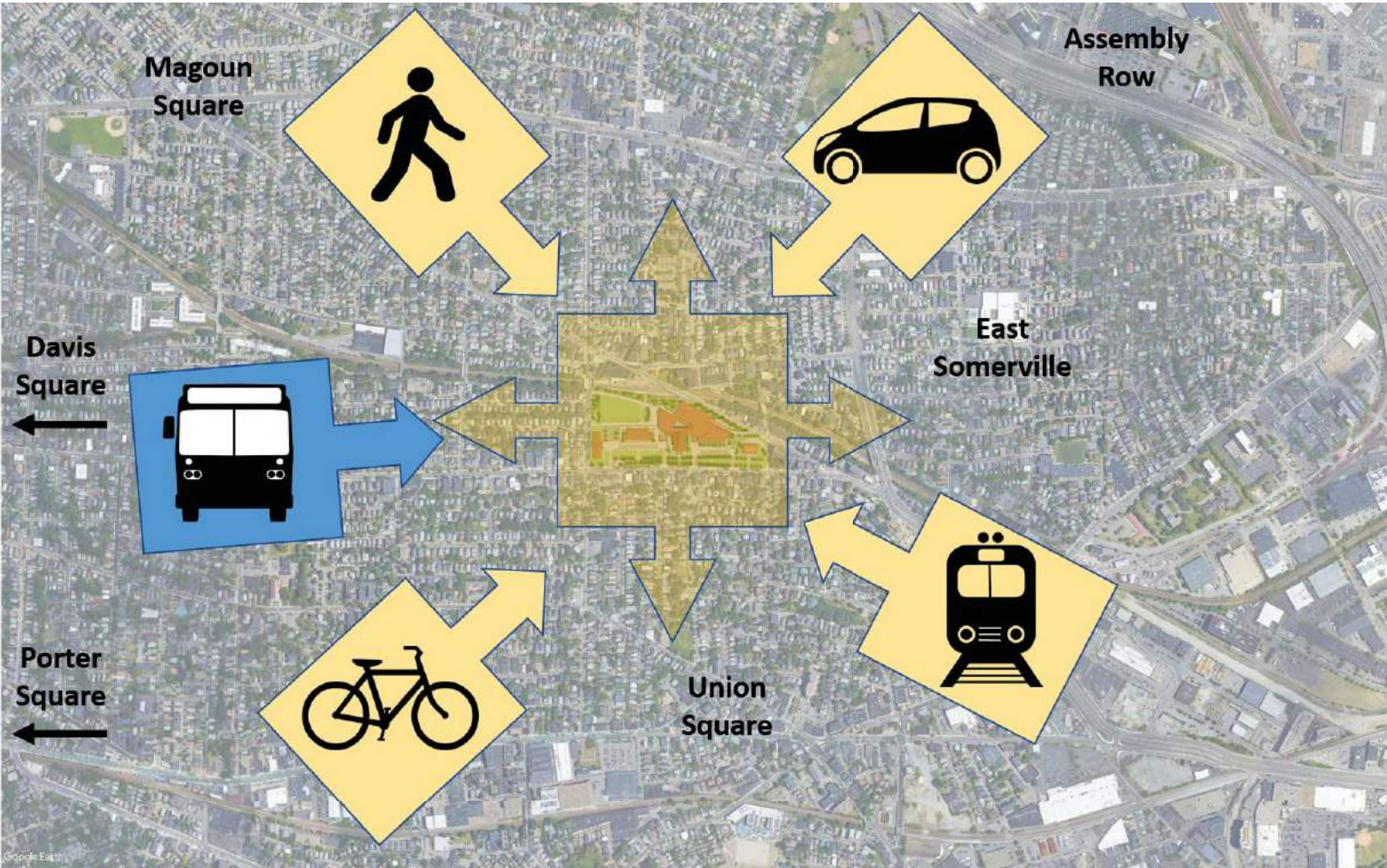
Access points at signalized intersections on corners of campus

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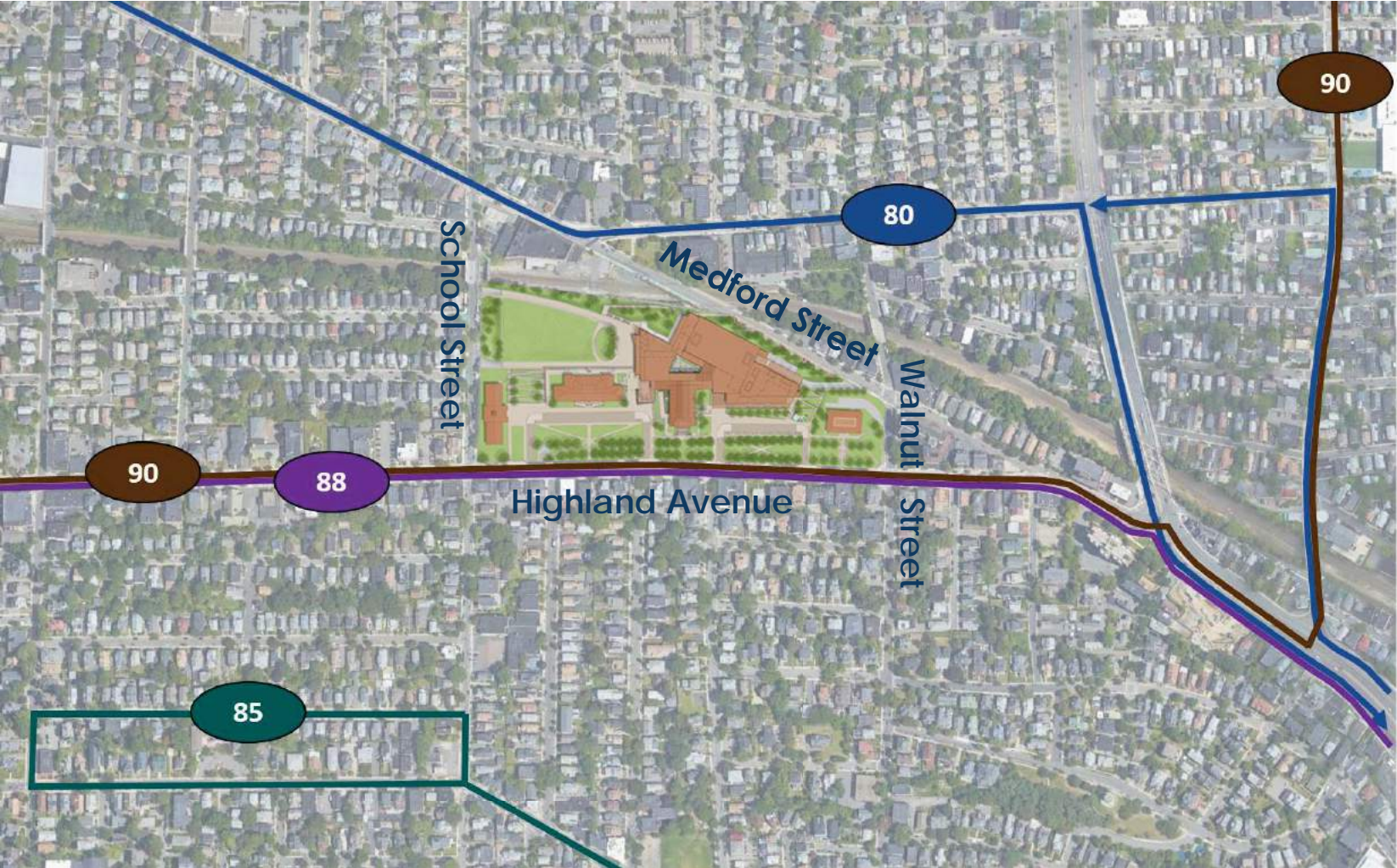
One mid-block crossing at Vinal Street

 No crossing opportunities

Multi-modal Network Connections: Bus Transit



Multi-modal Network Connections: Bus Transit



Four MBTA routes serve the Central Hill Campus area:

- Route 80
- Route 85
- Route 88
- Route 90

Route 80 will be replaced by the Green Line Extension

Multi-modal Network Connections: Bus Transit

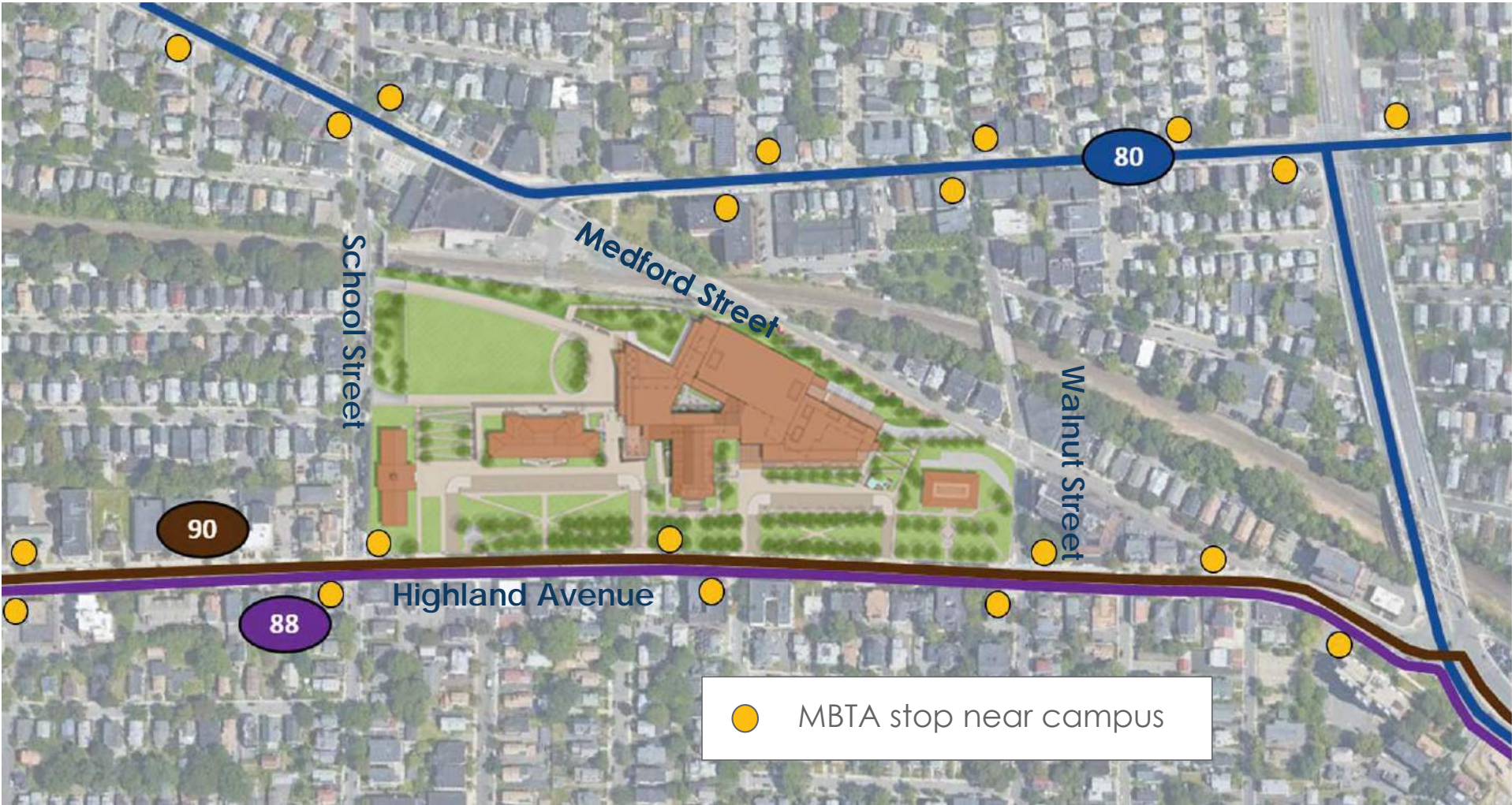


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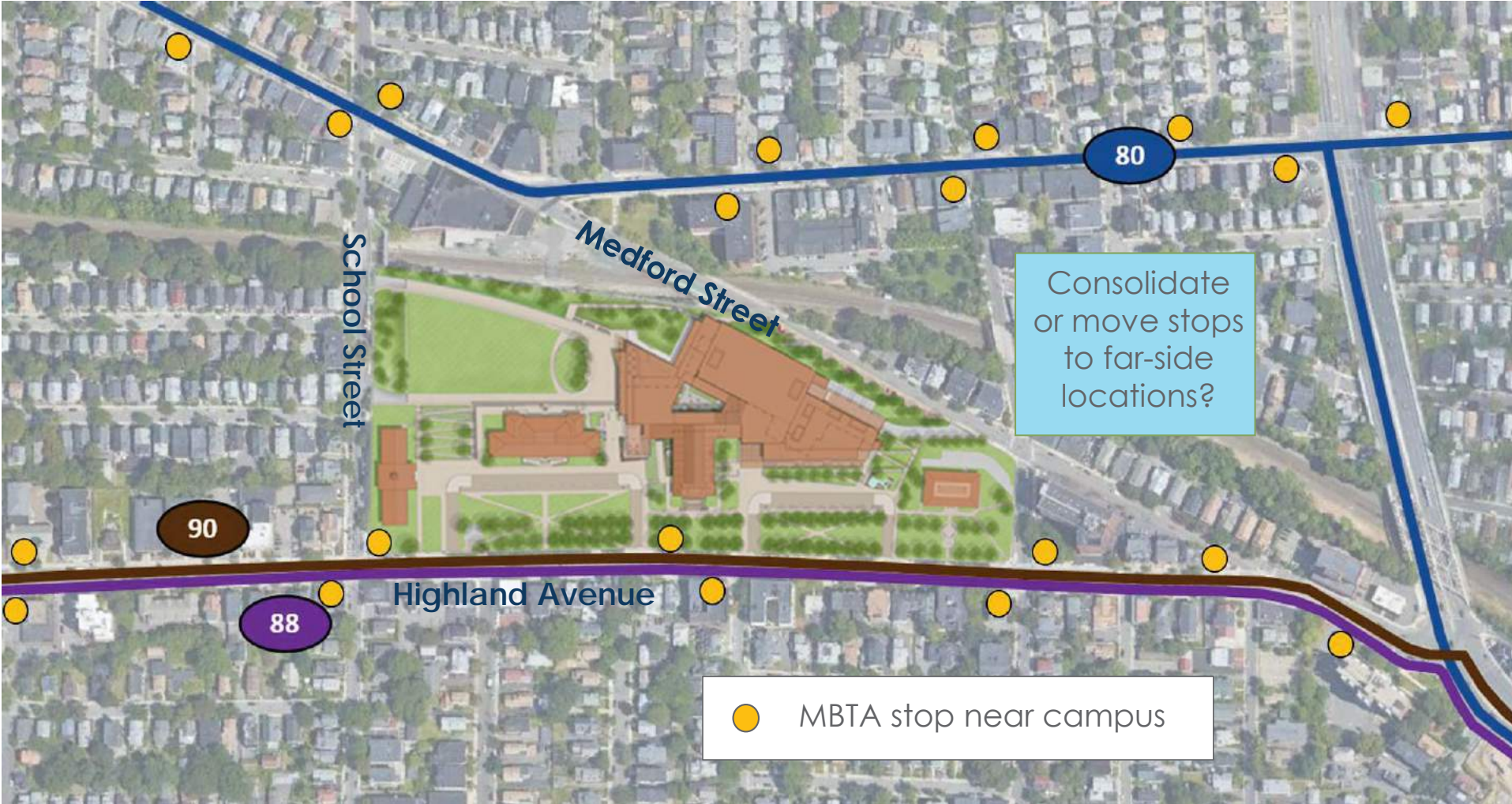
Multi-modal Network Connections: Bus Transit



Multi-modal Network Connections: Bus Transit

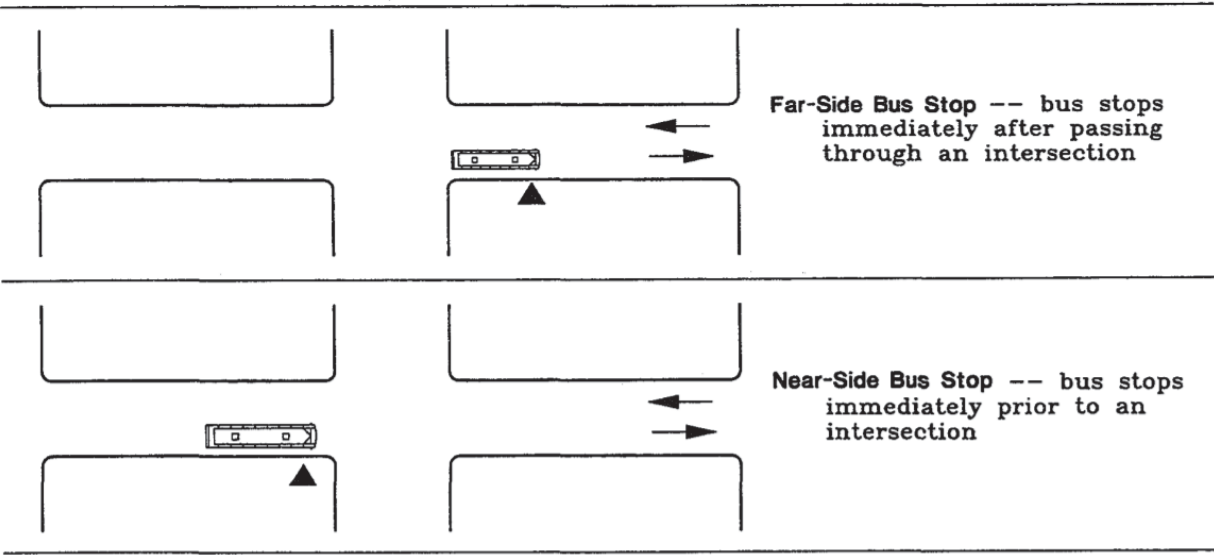


Multi-modal Network Connections: Bus Transit



Multi-modal Network Connections: Bus Transit

What do we mean by a “far-side” bus stop?



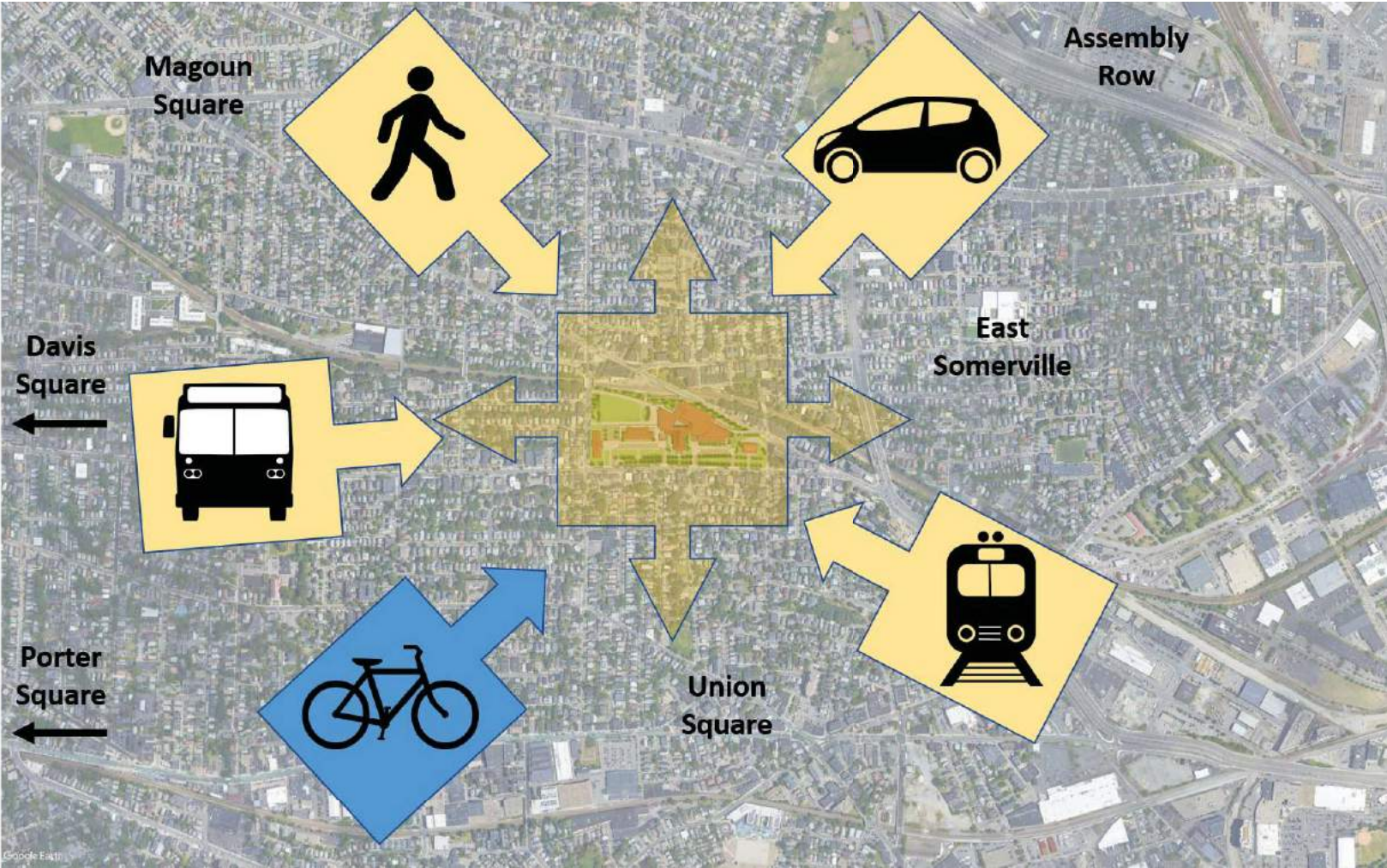
Each location has **pros** and **cons**!

- Traffic flow through intersection
- Right turns by motorists
- Pedestrian crossing locations and destinations
- Sight lines at intersection
- Enough space for bus shelters?

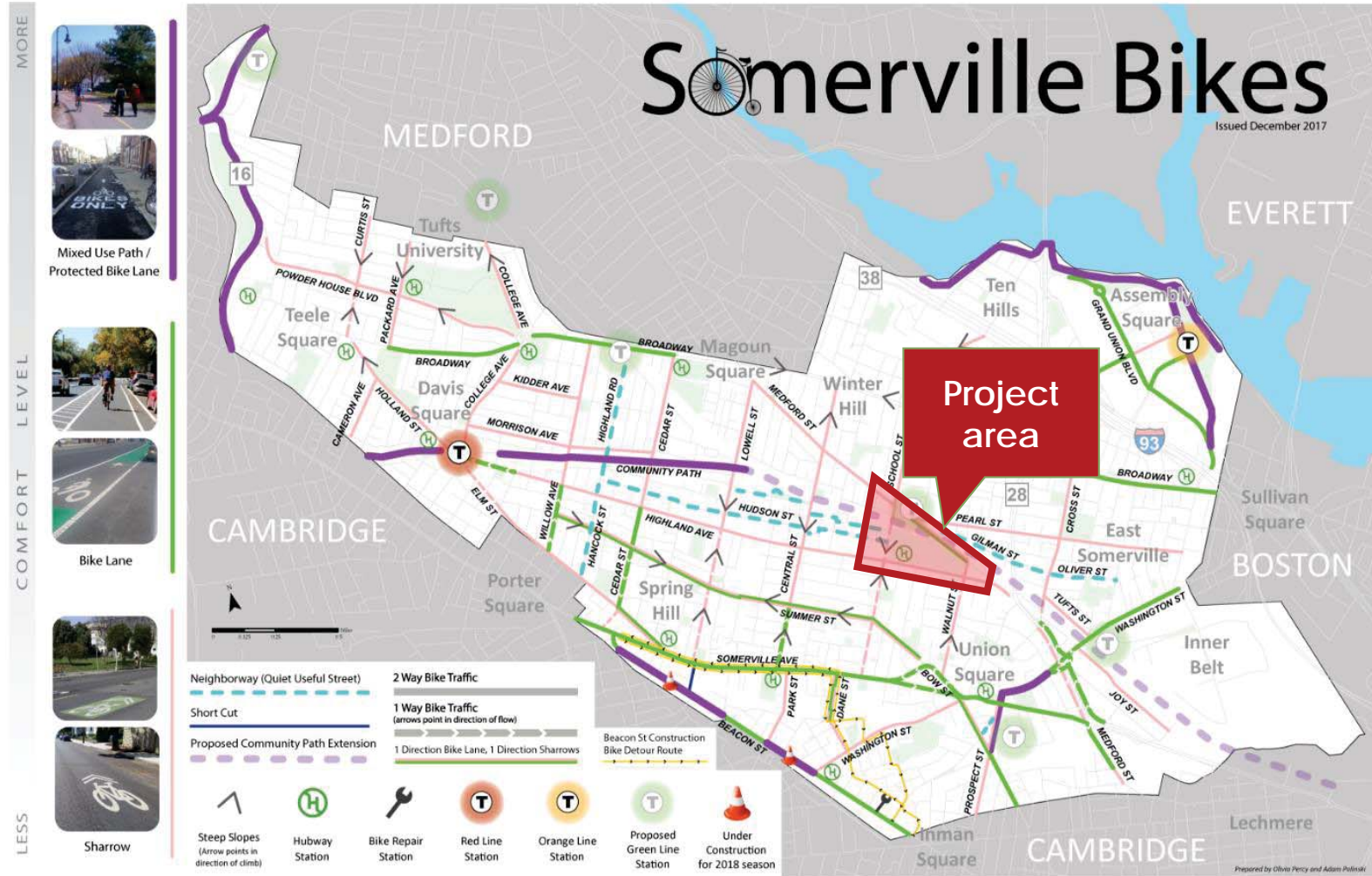
Consolidate or move stops to far-side locations?

Image: Transit Cooperative Research Program, TCRP Report 19
Table adapted from TCRP Report 19

Multi-modal Network Connections: Bicycling

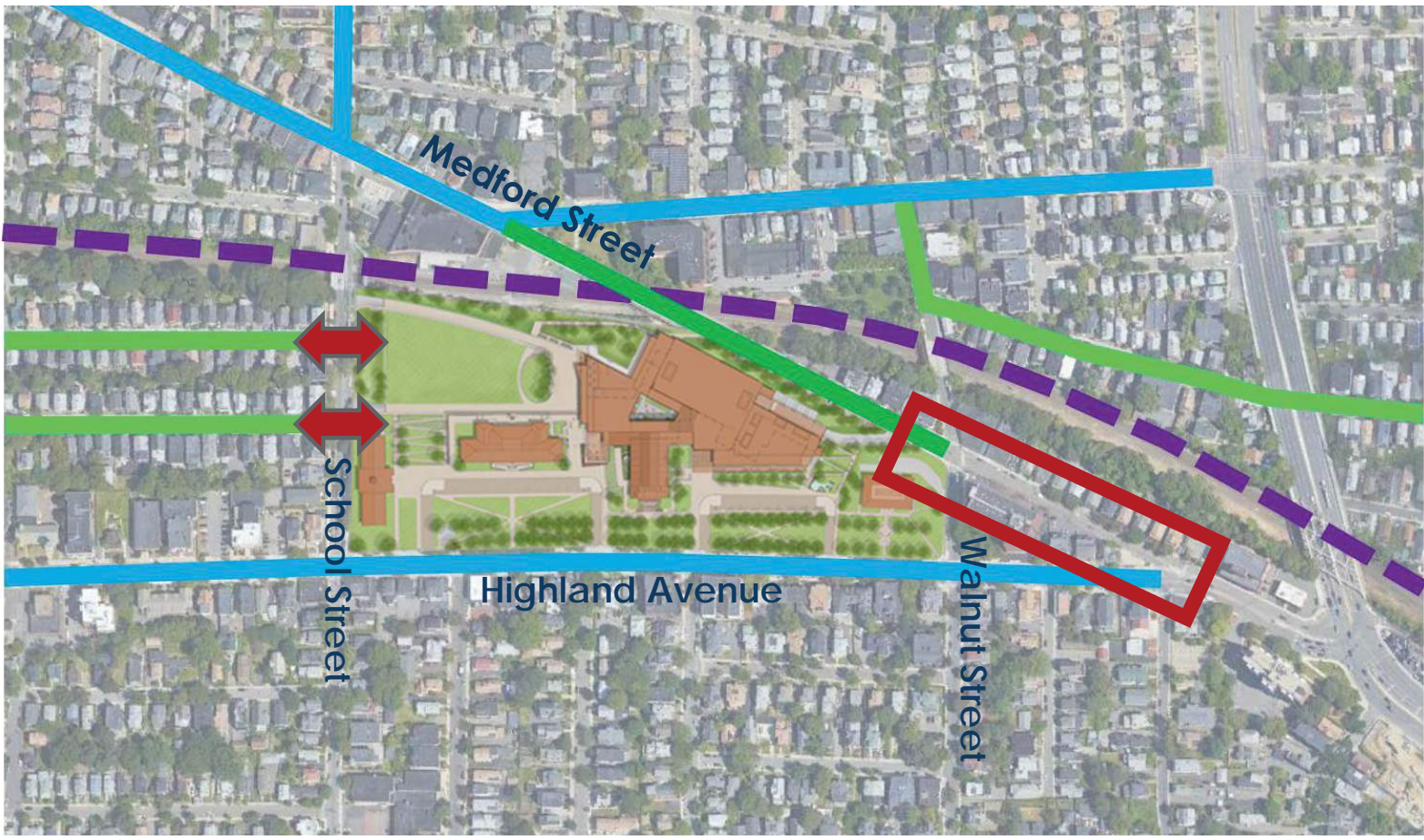


Multi-modal Network Connections: Bicycling



Prepared by Olivia Percy and Adam Polinski

Multi-modal Network Connections: Bicycling



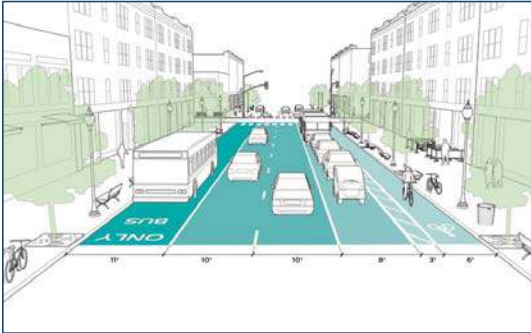
Bike Lane	
Neighborway (low-stress street)	
Shared Lane Markings	
Community Path (future)	

- No crossing opportunities
- Connectivity gap?

Traffic Calming and Safety Treatments

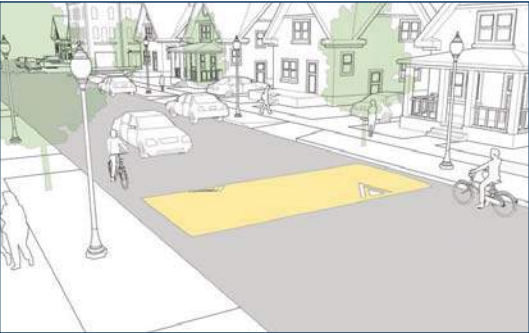


Curb Extensions

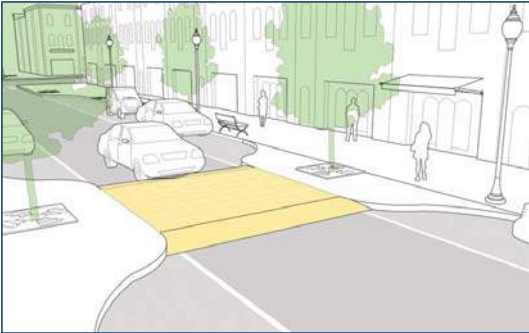


Narrow Travel Lanes

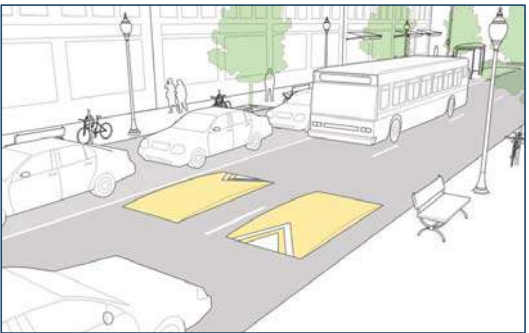
How may we be able to solve some of the connectivity and access issues to the Central Hill Campus?



Speed Humps



Speed Tables



Speed Cushions

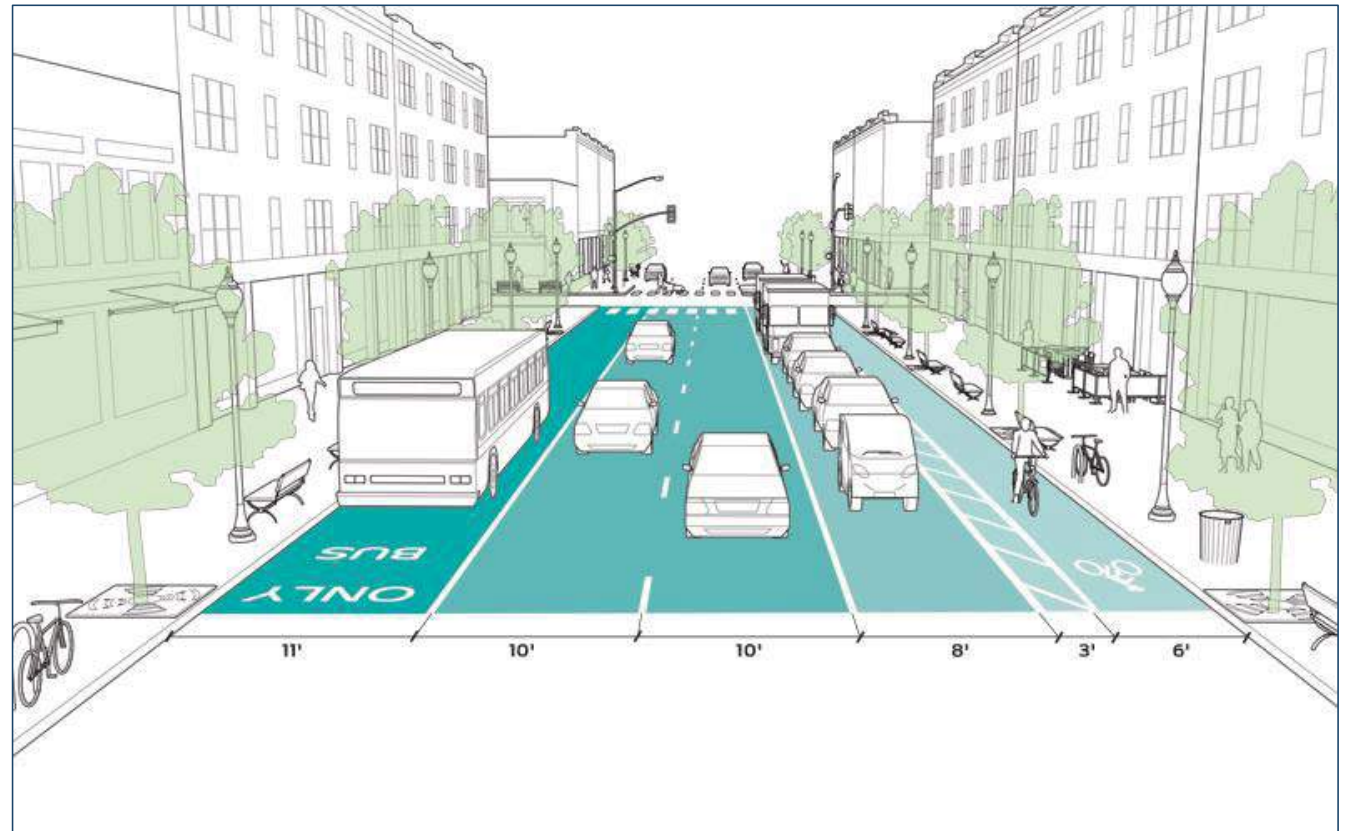
Traffic Calming and Safety Treatments

Curb Extensions



Image: NACTO Street Design Guide

Traffic Calming and Safety Treatments



**Narrow
Travel Lanes**

Image: NACTO Street Design Guide

Traffic Calming and Safety Treatments

Speed Humps



Image: NACTO Street Design Guide

Traffic Calming and Safety Treatments

Speed
Tables



Image: NACTO Street Design Guide

Traffic Calming and Safety Treatments

Speed Cushions

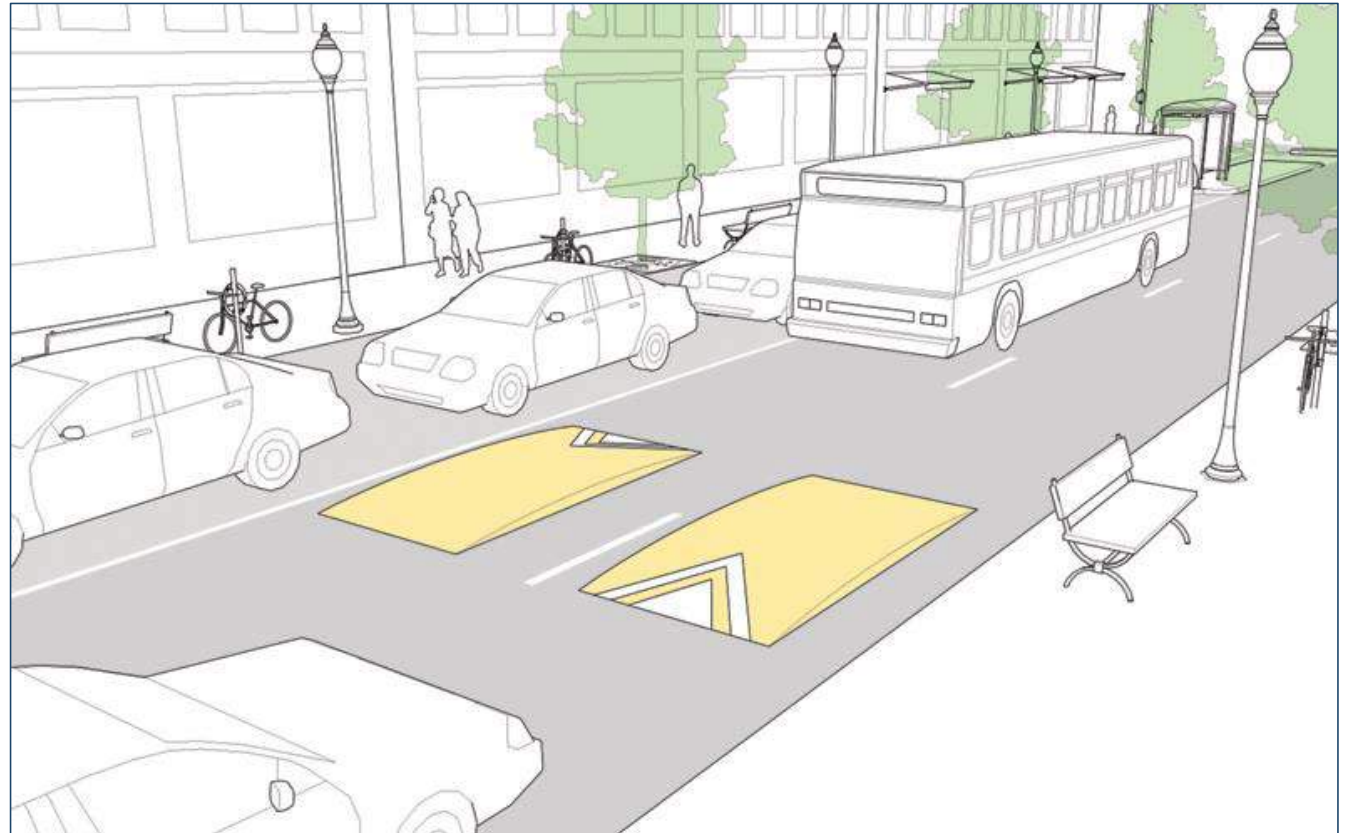


Image: NACTO Street Design Guide

Traffic Calming and Safety Treatments

Speed Cushions

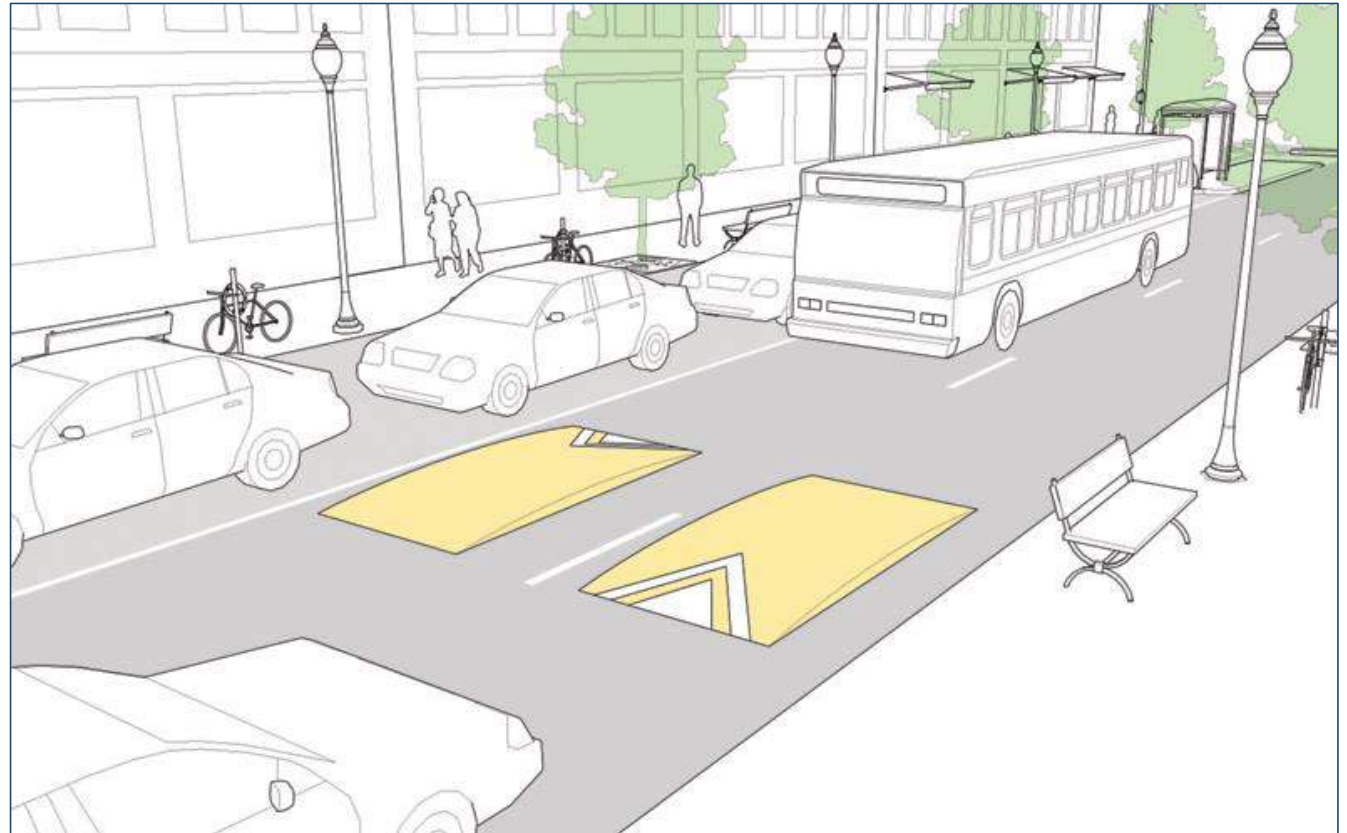


Image: NACTO Street Design Guide

Traffic Calming and Safety Treatments

Signalization Options

Rectangular Rapid Flashing Beacons (RRFB)



Image: Toole Design Group

Traffic Calming and Safety Treatments

Signalization Options

Pedestrian
Hybrid
Beacon (PHB)



Image: Toole Design Group

Tell us what you think! Central Hill Campus Plan Wikimap

City of **Somerville**

Central Hill Campus Access Planning

Link to the Wikimap through the project website:

<https://www.somervillema.gov/departments/central-hill-plan>

instructions


add places that you currently go within the study area by selecting "Points" on the menu bar and selecting "Destinations." Once you place a point, you'll be asked about the type of destination and how you usually reach it.

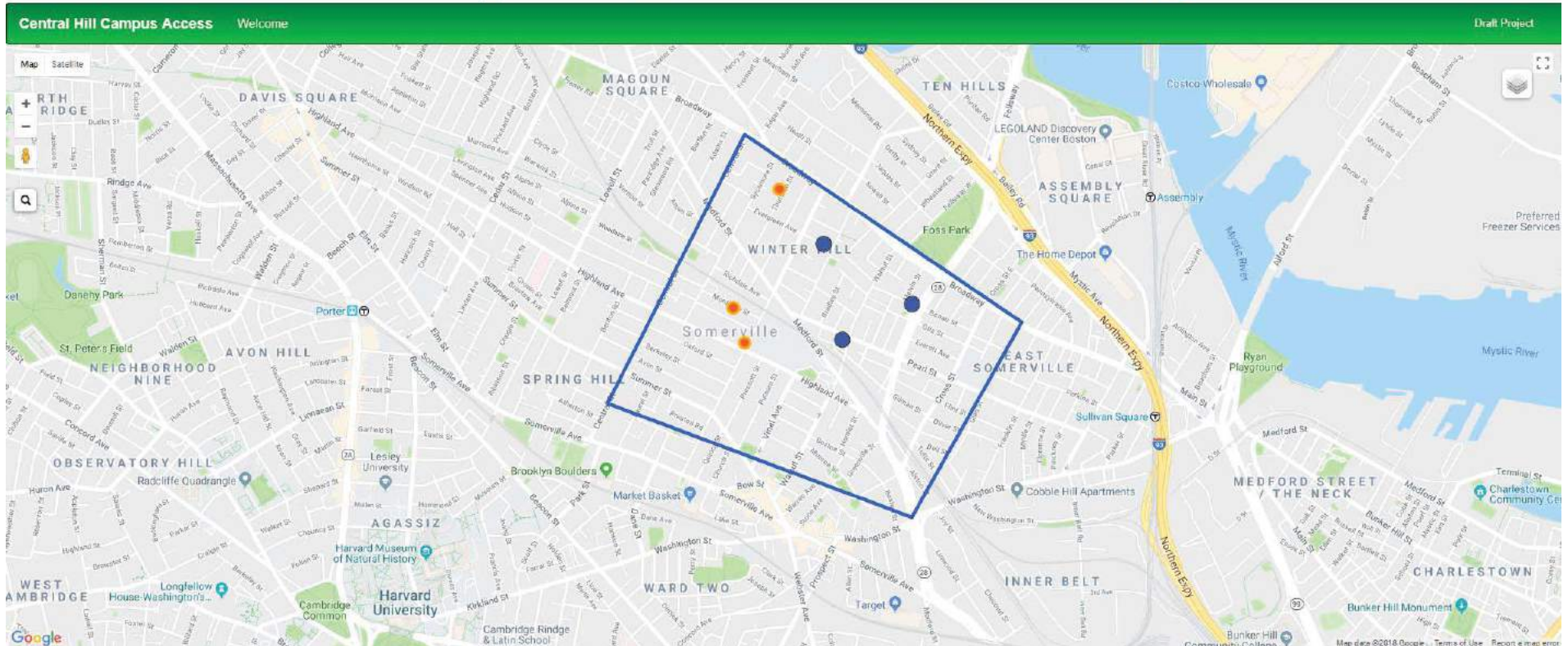
choose locations where you have concerns by selecting "Points" on the menu bar and selecting "Area of Concern." When you place a point, you'll be asked about why you have concerns about this area.

user input

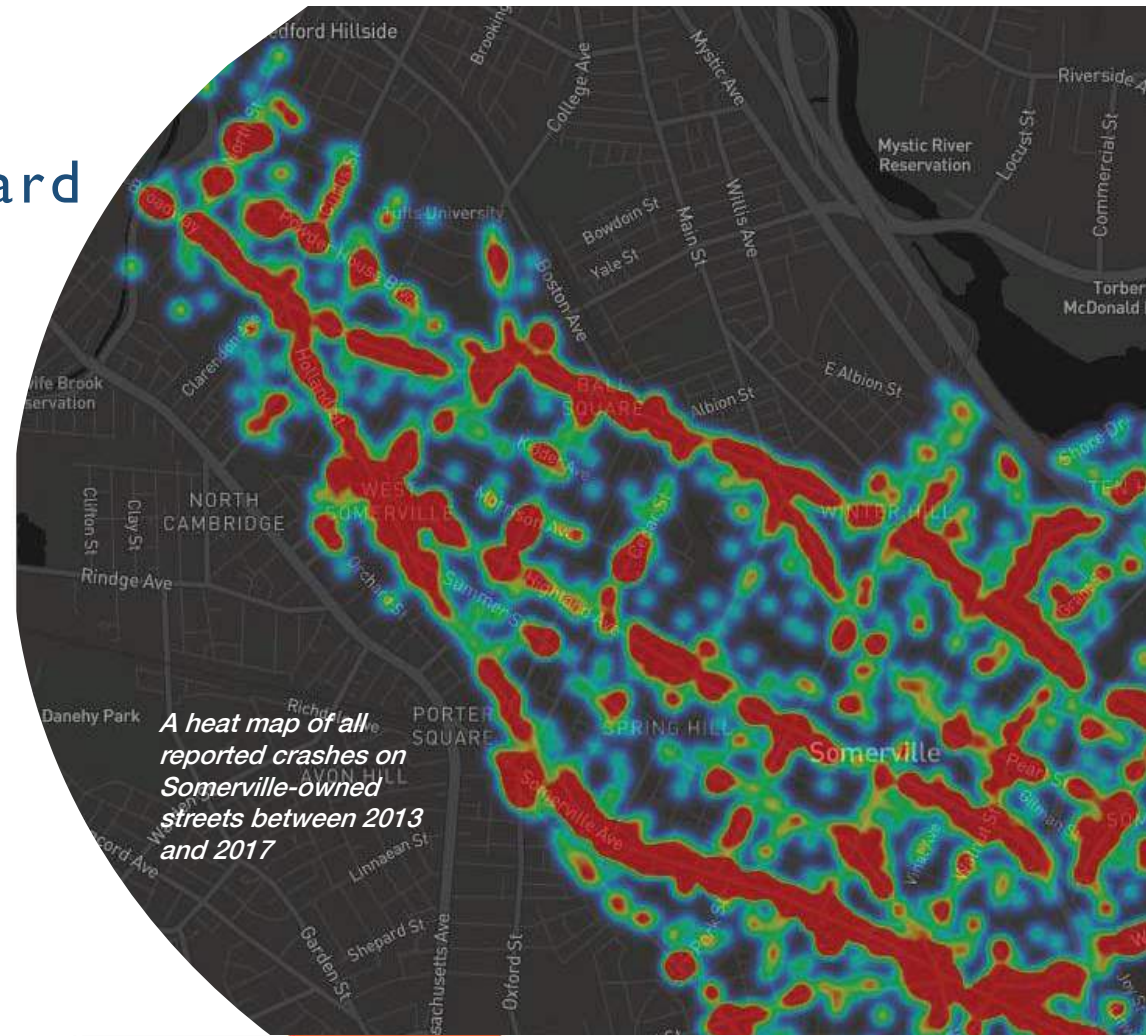
-  Destination
-  Area of Concern
-  Study Area Boundary

review

Click the  layers icon below to toggle on/off input from other people



Vision Zero Data Dashboard



www.somervillema.gov/visionzero



Report a Safety Concern



Vision Zero Data
Dashboard



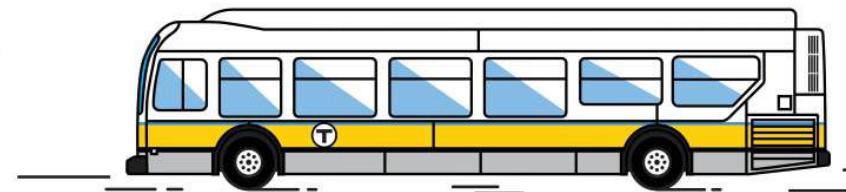
More Info & Resources

Better Bus Project TimeLine

Time Period	Phase
Early 2018	Conduct analyses and assessments of the existing bus network, begin public outreach and engagement
Mid-2018	Develop early recommendations for service changes, continue public outreach and engagement with municipalities
Late 2018	Propose bus network and service changes to the FMCB, request additional funds to accomplish goals and fill gaps in service
2019	Begin implementing Better Bus Project action items based on quarterly updates

mbta.com/projects/better-bus-project

Better
Bus
Project
Making transit
better together





Discussion





Sustainability



LEED for Schools – Silver



LEED v4 for BD+C: New Construction and Major Renovation - Schools
 Somerville High School Add/Reno Preliminary Scorecard

Sub-Metering / Adv. Controls

EV Charging Stations Ready

PV Ready Roof

Green Cooling HVAC

Energy Recovery

LED Efficient Lighting

Daylight Controls

High Performance Bldg. Enclosure

Demand Control Ventilation

Energy

Water Sub-metering

Efficient Appliances

Kitchen Equipment

Rainwater Harvesting Irrigation

Low-flow Fixtures

Water

Green Roof

Bioswales

School Community Garden

Outdoor Learning Classrooms

Light Pollution Reduction

Stormwater Treatment

Bicycle Facilities

Access to Transit

Urban Density

Site

User Friendly Lighting Controls

Abundant Daylight

Low Emitting Materials

Natural Ventilation

Views

Thermal Comfort

Biophilia

Stair Accessibility / Fitness

IEQ

Health Product Declaration

Envrion. Product Declaration

Durability

Low Maintenance

Recycled Content






Construction Waste Management

Regional Materials

Certified Wood




Materials

Transition to Stormwater

-  Green roofs
-  Porous pavement
-  Infiltration systems
-  RWH
-  Planting selection



Transition to Stormwater

-  Green roofs
-  Porous pavement
-  Infiltration systems
-  RWH
-  Planting selection



Water Efficiency

- Indoor
 - Low flow fixtures
 - Energy star appliances (dishwasher)
- Outdoor
 - Native/adaptive species selection that are drought tolerant
 - Efficient irrigation systems
 - Rainwater harvesting system for irrigation



Energy Efficiency Measures

- Highly insulated enclosure
- Cool roof/PV ready
- LED lighting with advanced network controls
- Dedicated Outdoor Air Systems w/Green cooling
- High efficiency air cooled chiller
- High efficiency condensing boiler
- Condensing DHW heaters
- Energy Star kitchen equipment

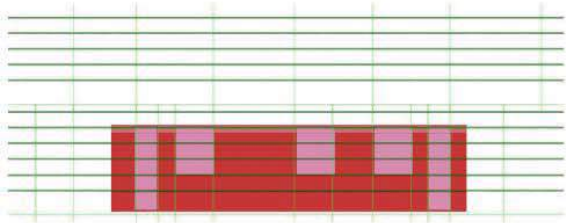


Daylight and Energy

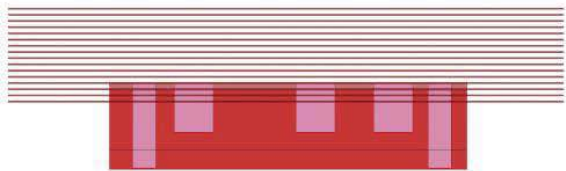
SOUTH FACING CLASSROOM



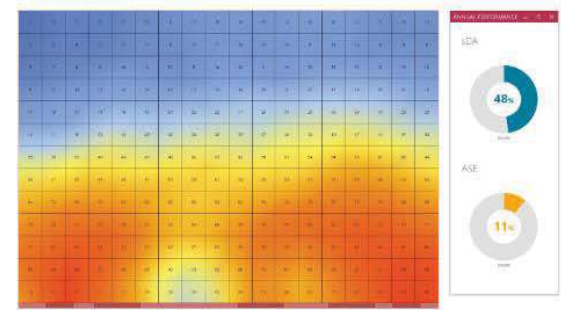
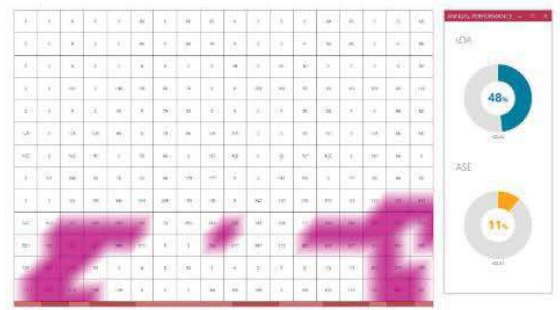
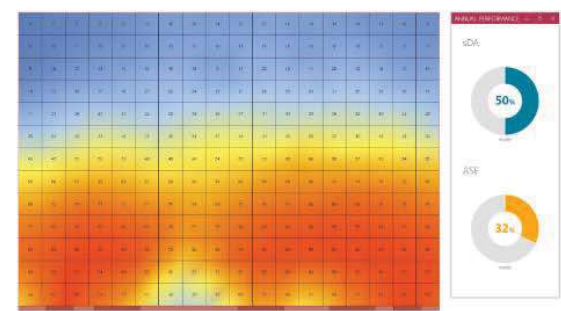
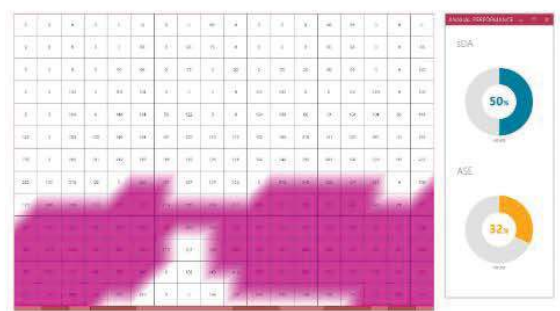
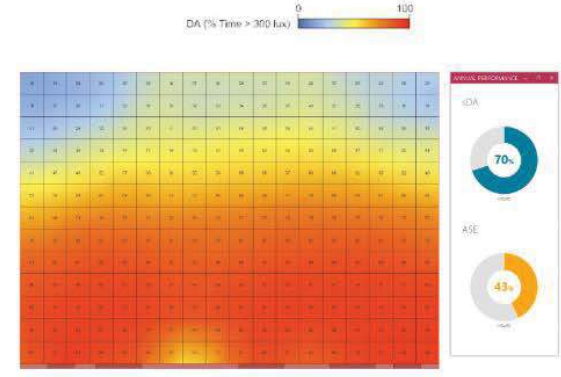
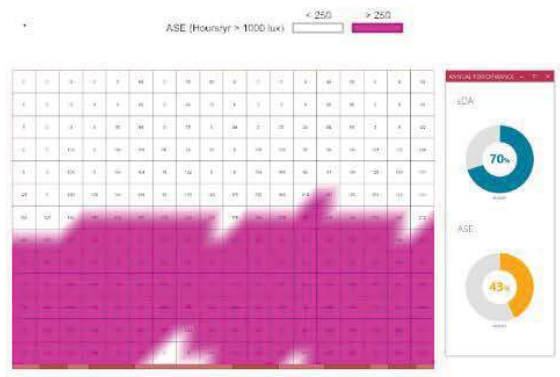
NO SHADE



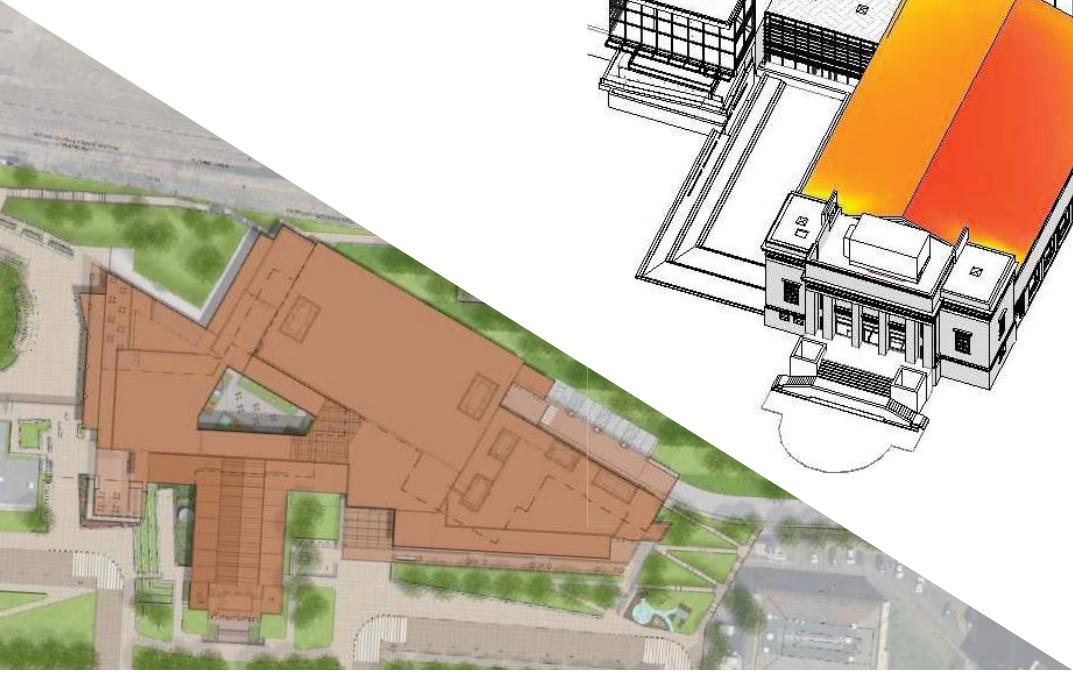
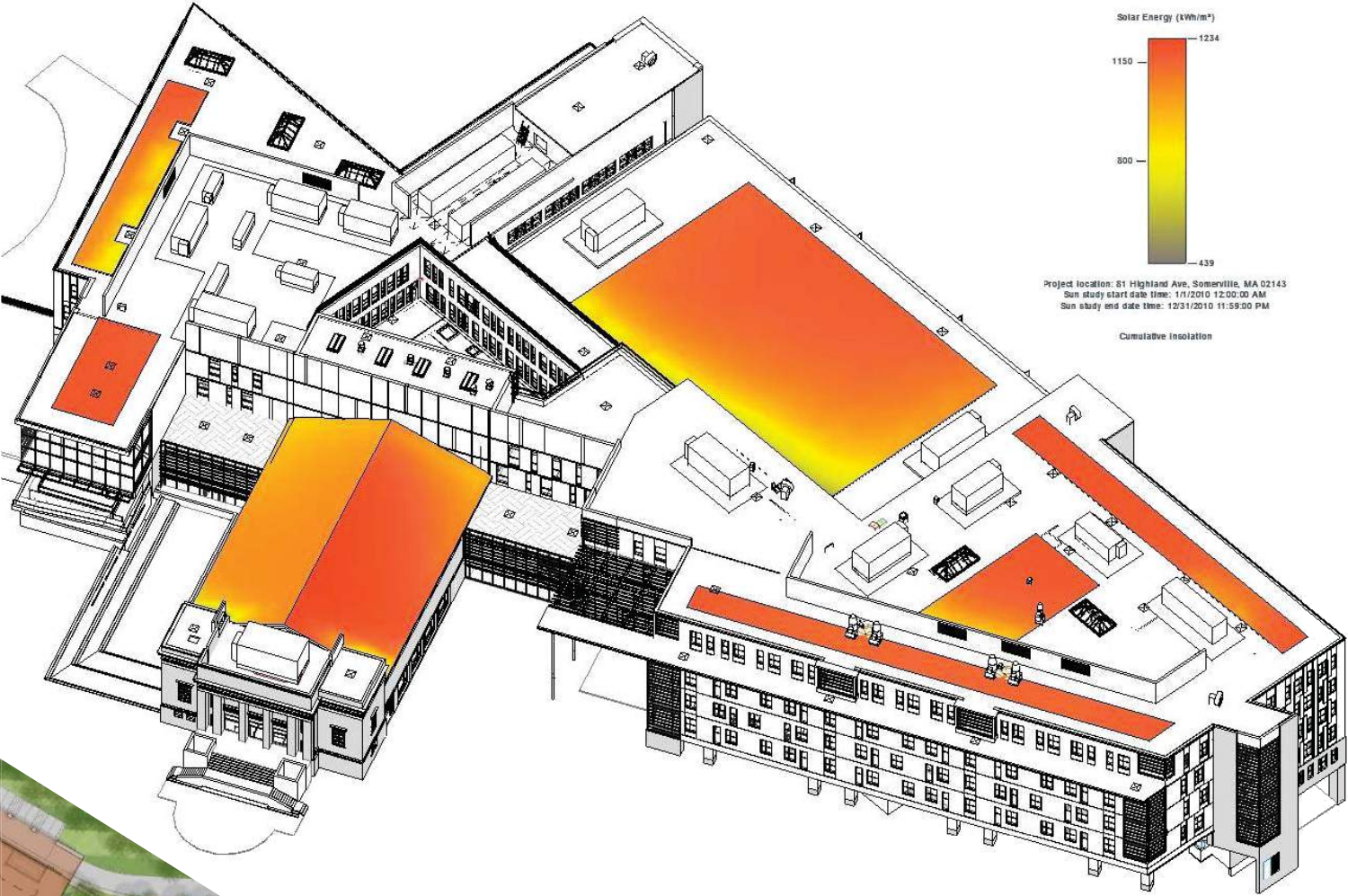
CURRENT LOUVERS



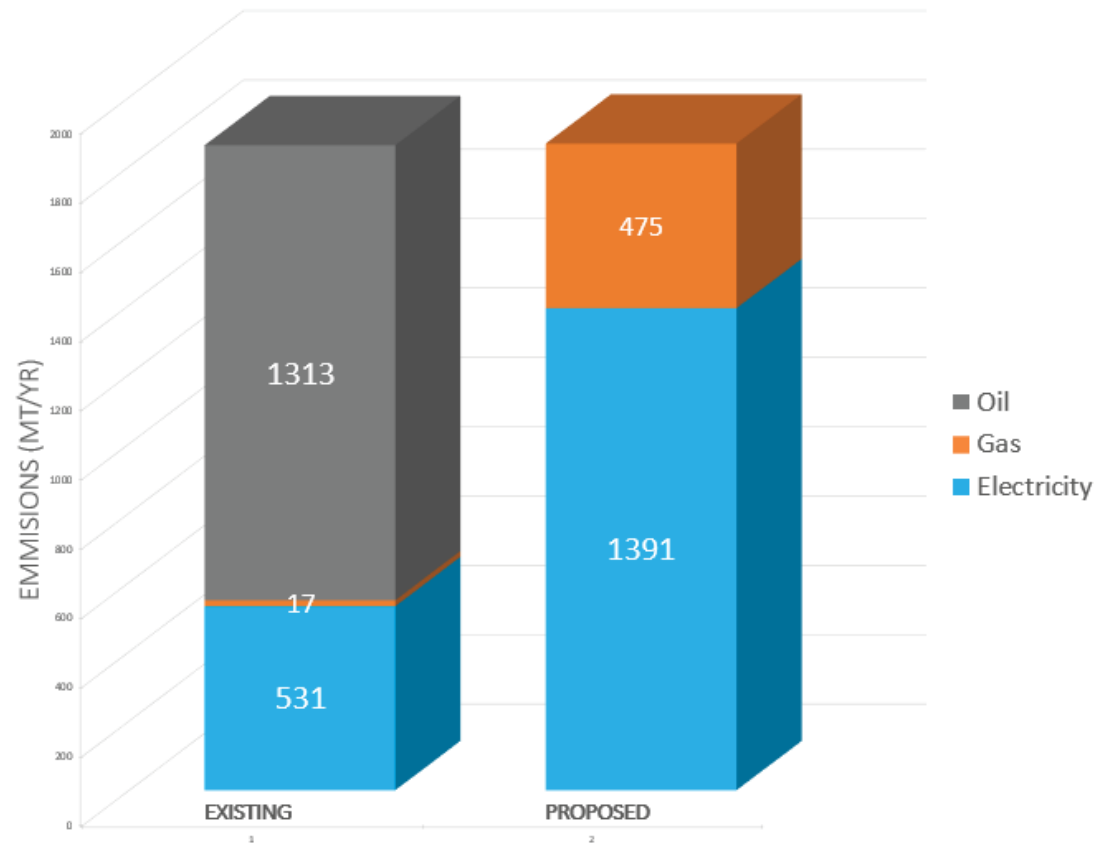
OPTIMIZED LOUVERS



PV Ready Roof

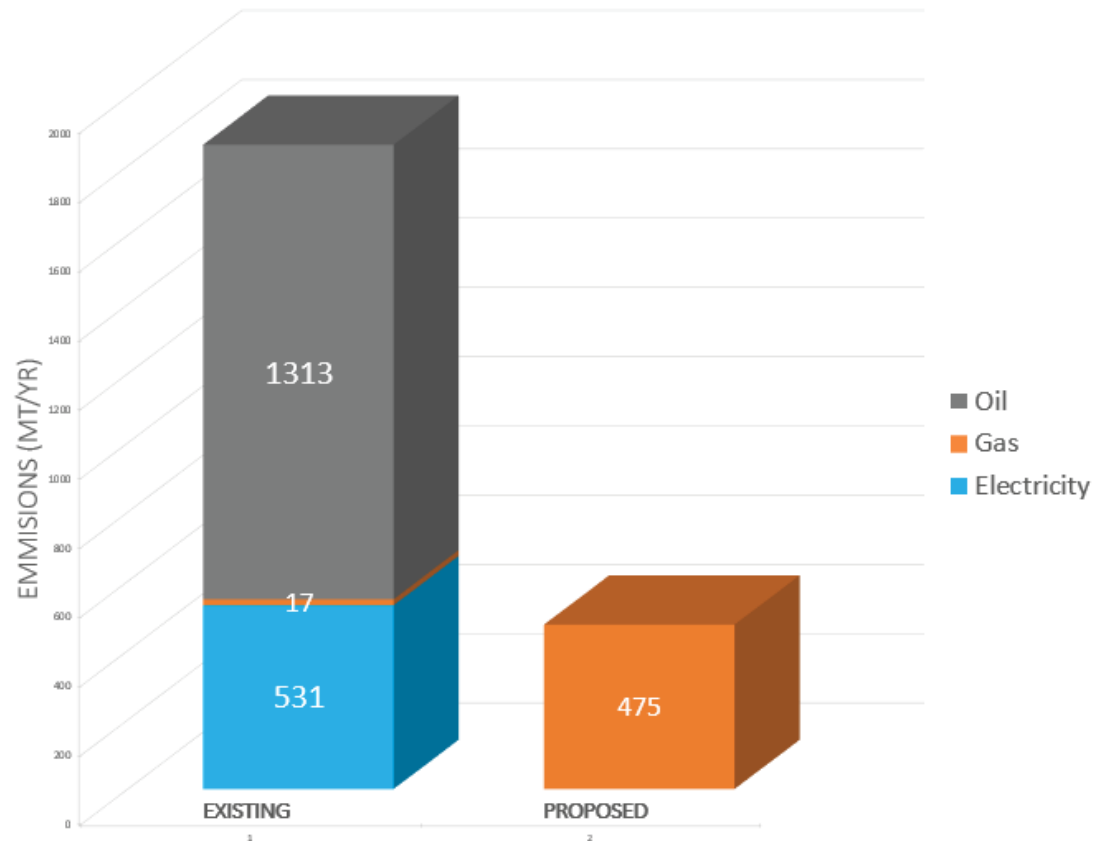


Existing and Estimated Proposed Emissions for SHS

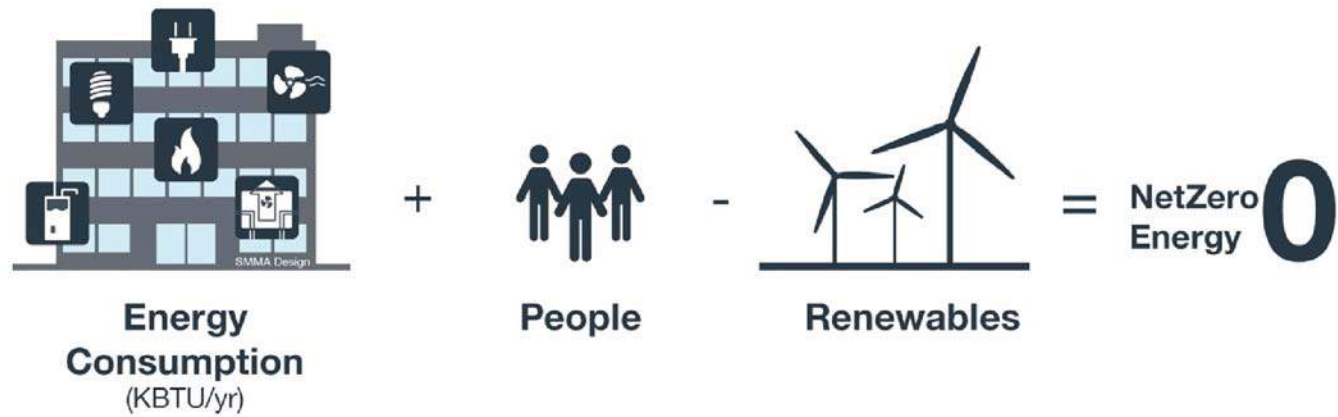


Existing and Estimated Proposed Emissions for SHS

Adding PV to roof and purchase renewable energy to offset electric emissions



Carbon Neutral Campus



Additional Consideration

Campus Plan Considerations - Sustainability

Water and Stormwater Management

- Porous pavement
- Infiltration systems
- Rainwater Harvesting

Building Enclosure and Systems

- Passive House
- Campus systems vs. Building Systems
- All electric systems vs. Natural gas – biogas

Renewable Energy Systems

- Solar photovoltaic
- Solar thermal
- Wind
- Ground Source Heat Pumps (Geothermal)
- Combined Heat and Power (CHP)





Discussion

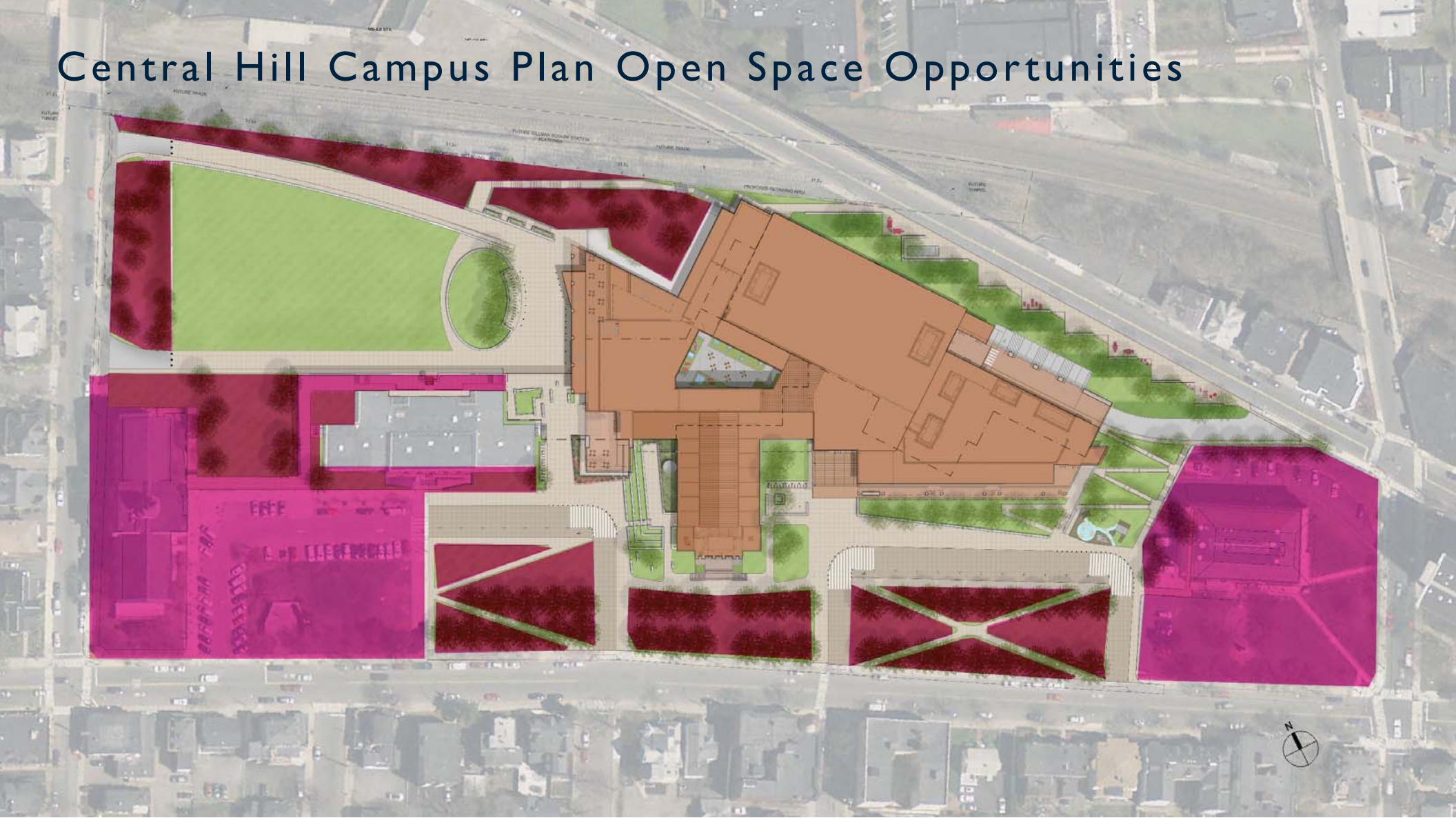




Landscape Design



Central Hill Campus Plan Open Space Opportunities



Viewsheds



Campus Organization

Civic Core

Academic Core



Programming Opportunities



Civic Plaza



Civic Plaza



Civic Plaza



Programming Opportunities

Play Field, and?



Field Programming, Activities and Events





Memorial Cannons



Anthony V. Fedele Way Sign



Memorial Brick



Civil War Memorial - 1908



Korean War Memorial - 2000



"Somerville High Honor and Progress" Plaque*



Pay Phone Art Box



Dilboy Monument



Class of 2010 Stone



Memorial Bench



Vietnam Memorial - 1985



Somerville Honor Roll



Memorial - First Congregational Unitarian Society



Art Globe



Memorial - Women of the Union Square Post Plaque



Spanish War/ Philippine/ China

Campus Organization

Civic Core

Academic Core



Programming Opportunities



High School
Entry Plaza

Playgrounds

Library
Green

Programming Opportunities

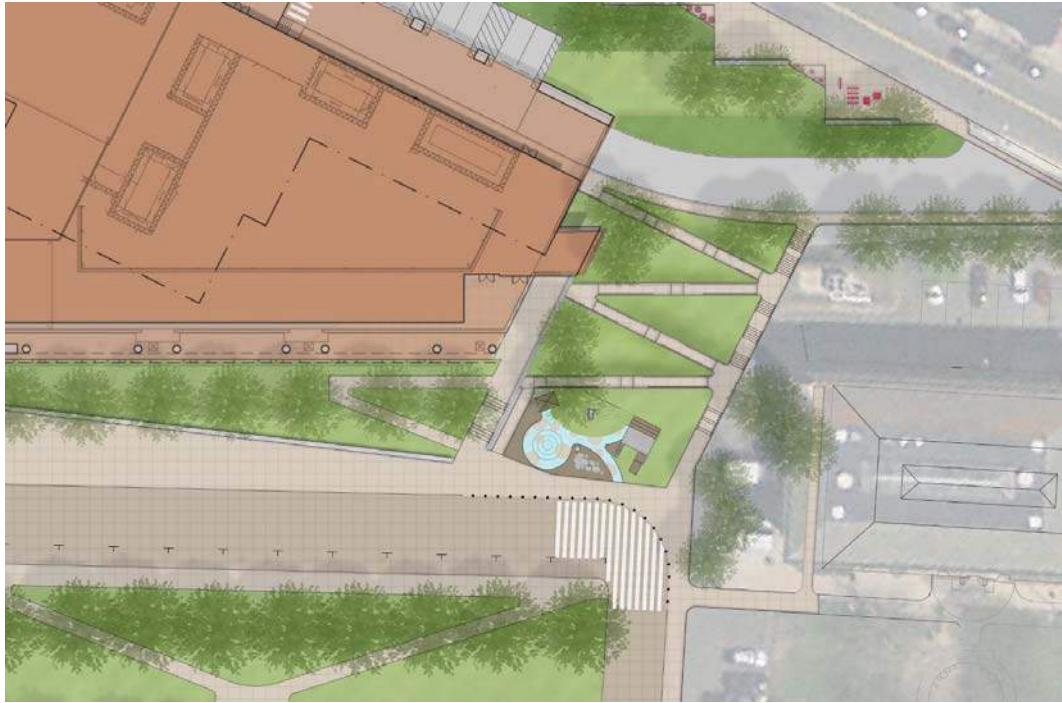


Library Green

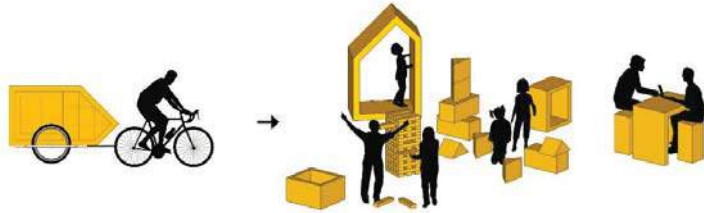
Library Green Programming Opportunities



Child Care Playground (2-5yrs)



Central Hill Playground Inspiration (2-5yrs and 5-12yrs)



Programming Opportunities

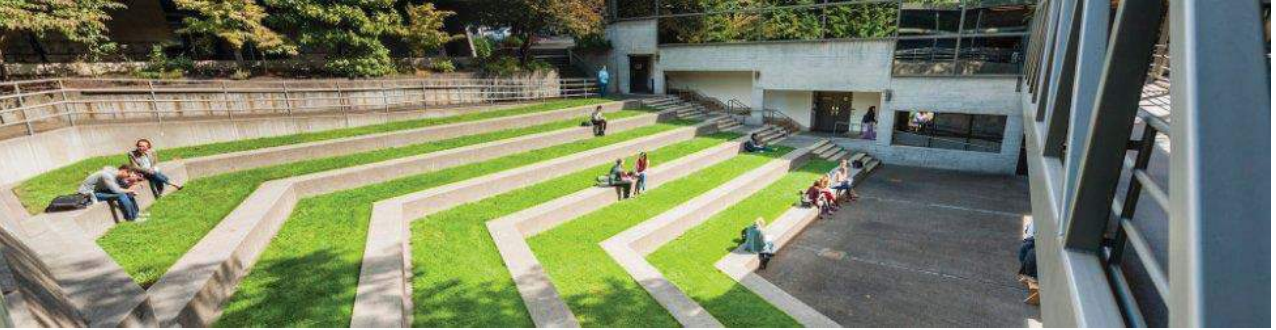


High School
Entry Plaza

Site: Plazas



Gathering Spaces



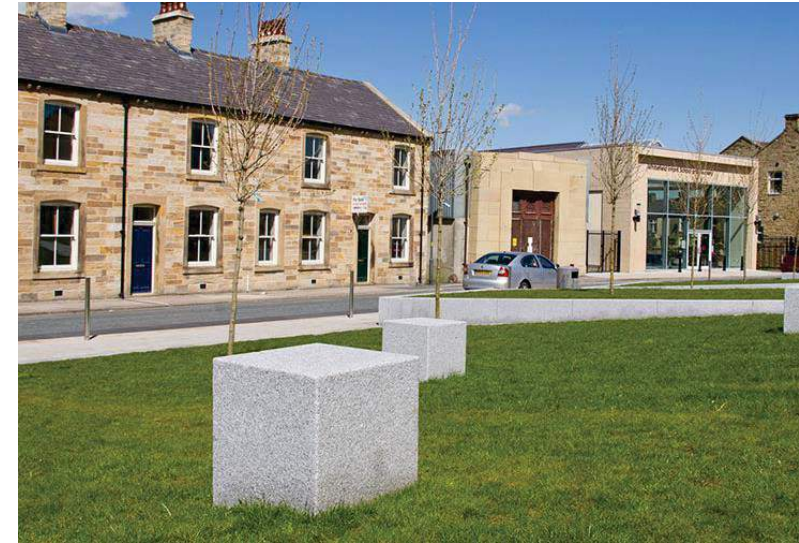
Medford Street

PROPOSED RETAINING WALL

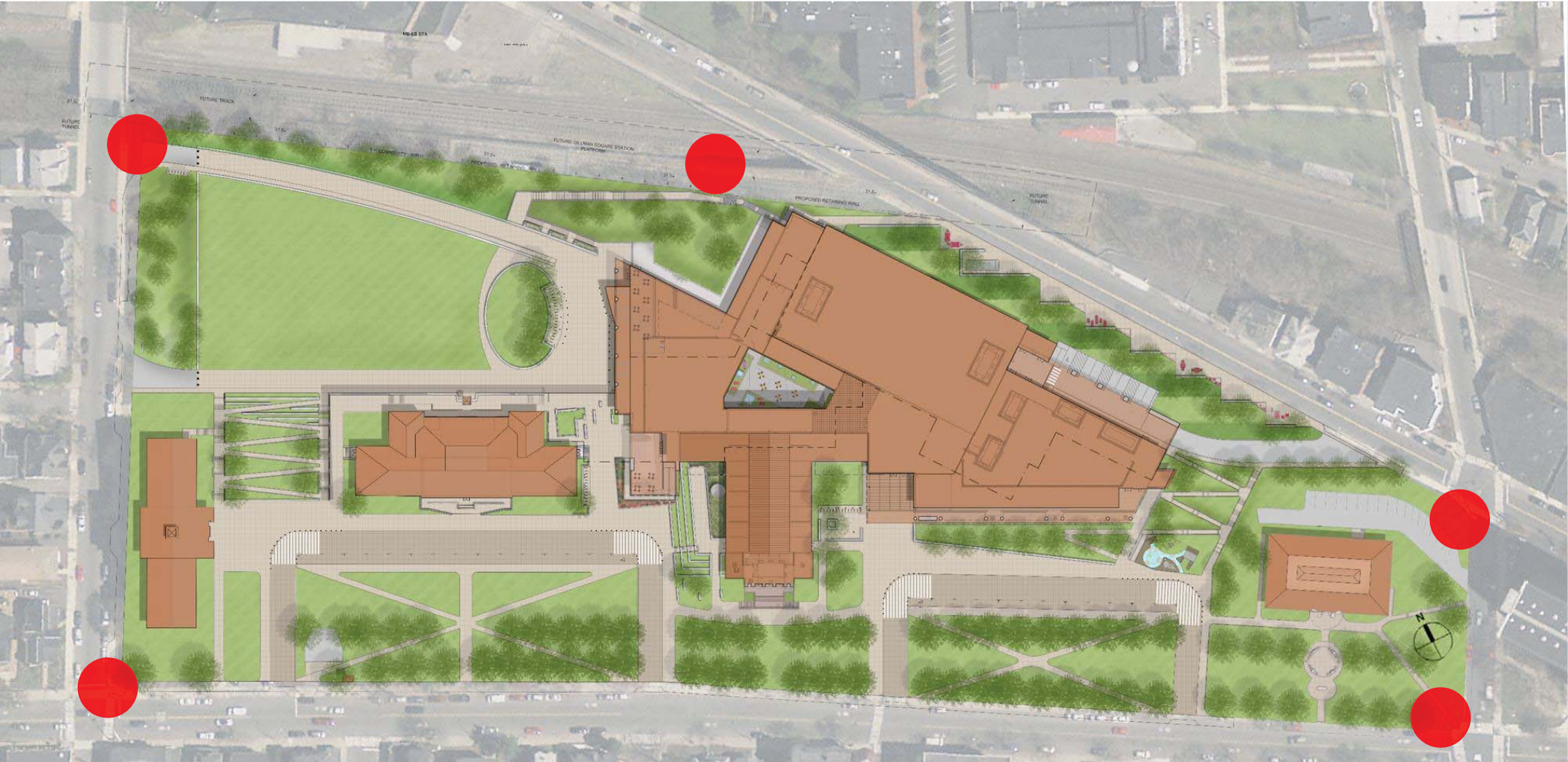
FUTURE TUNNEL



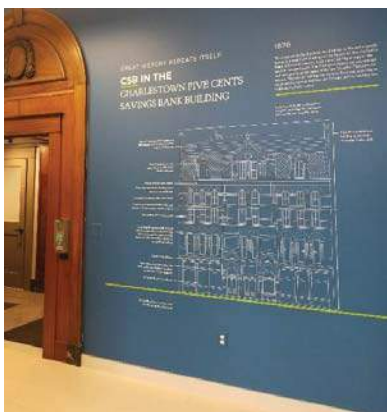
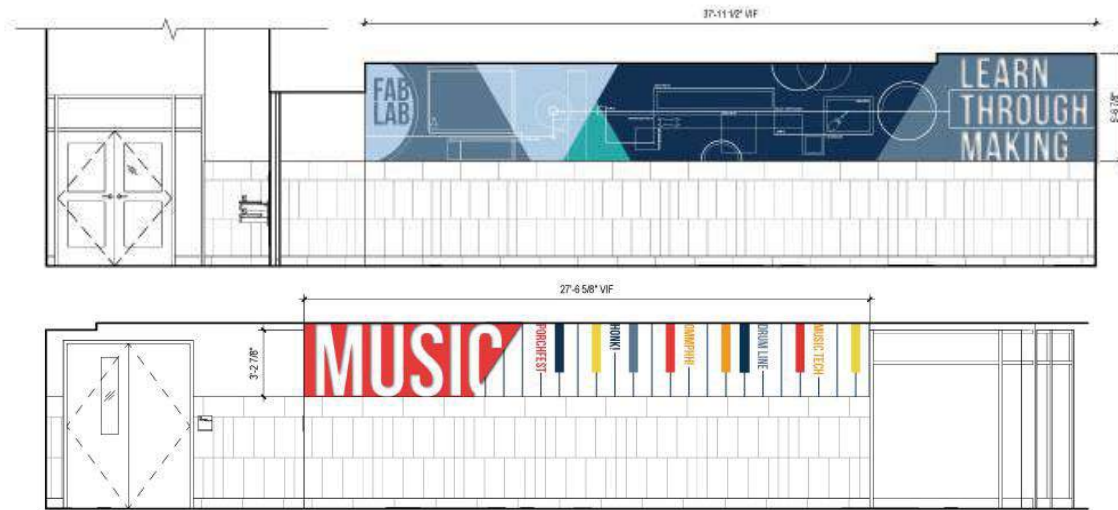
Active Spaces



Campus Gateways



Site Wayfinding and Environmental Graphics



NEW BUILDING SURVEY

Inspire the interior design and graphics!

WHAT'S HAPPENING?

The design for the new Somerville High School is beginning its final phase and construction will begin this summer. This will be a historic moment for your city and a unique time for your entire community.

What you share with us matters. *This is your community.* What does it look like through your eyes? Your participation will help us define the graphics of your new school.

HOW DO I PARTICIPATE?

Share your thoughts, photos, and/or art that you feel represent Somerville to the New Building Survey on X2.

DEADLINE FOR SUBMISSIONS IS:

Monday, February 5th

THE TOP 14 SUBMISSIONS WILL WIN:

Two (2) \$100 First Place Prizes
 Four (4) \$75 Second Place Prizes
 Eight (8) \$50 Third Place Prizes

We are very excited to see what you create!

We are looking for your ideas!



1 Think about your city.

2 Explore!



3 Take photos with your phone.

4 Or with your camera!

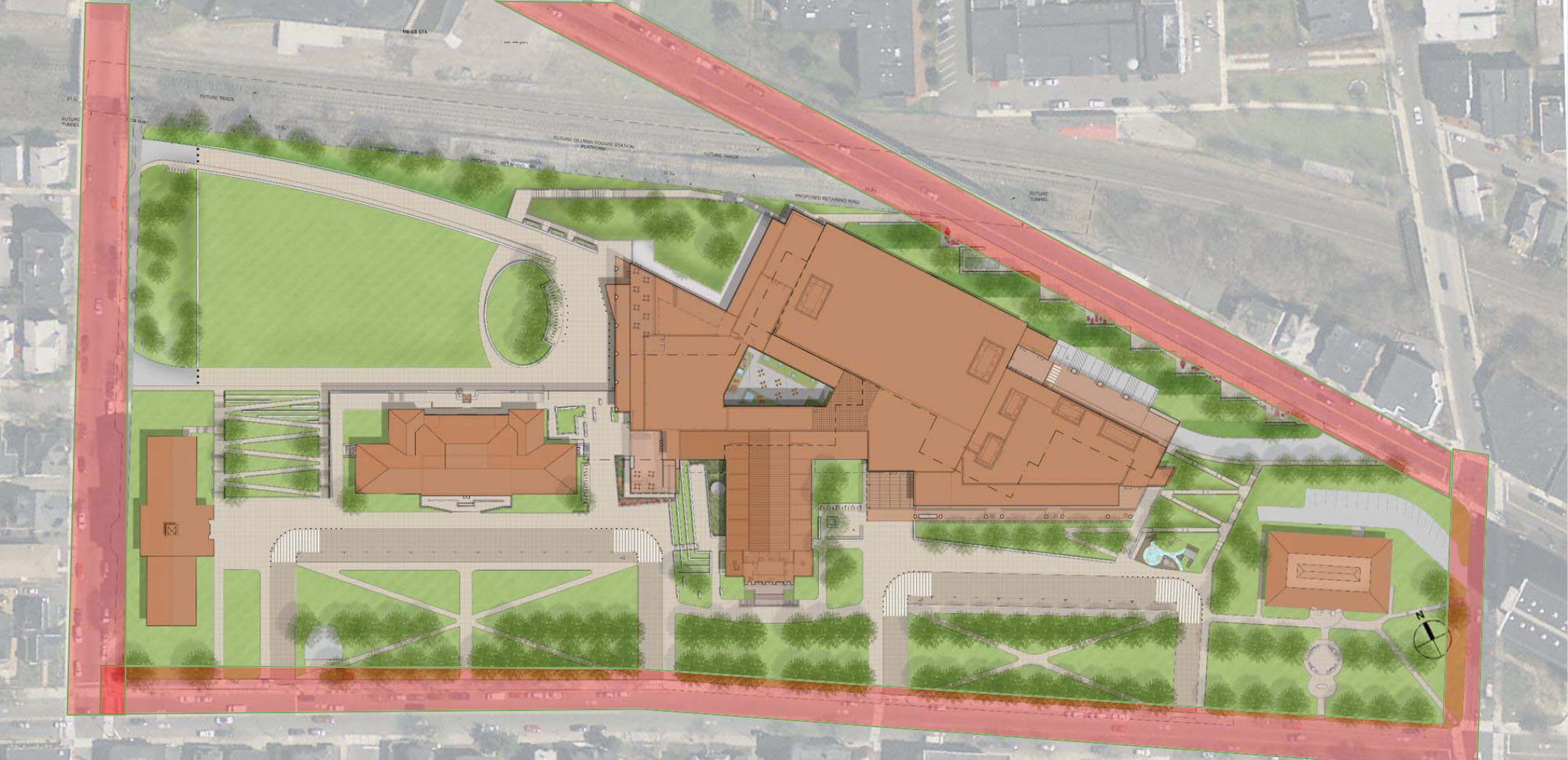


5 Share your thoughts, photos, and/or art with us!

What you share with us matters

Let's get started!

Streetscape Edge



Lighting Design – Pedestrian



Tree Palette






Discussion



The background image is a blurred architectural rendering of a modern campus plaza. It shows a large, open public space with several young trees in the foreground. People are depicted sitting at small tables, some engaged in conversation, while others are walking. The background features several multi-story buildings with modern architectural styles, including glass facades and brickwork. The overall scene is bright and sunny, suggesting a pleasant outdoor environment.

When I get there, where am I?

What would unify the campus?



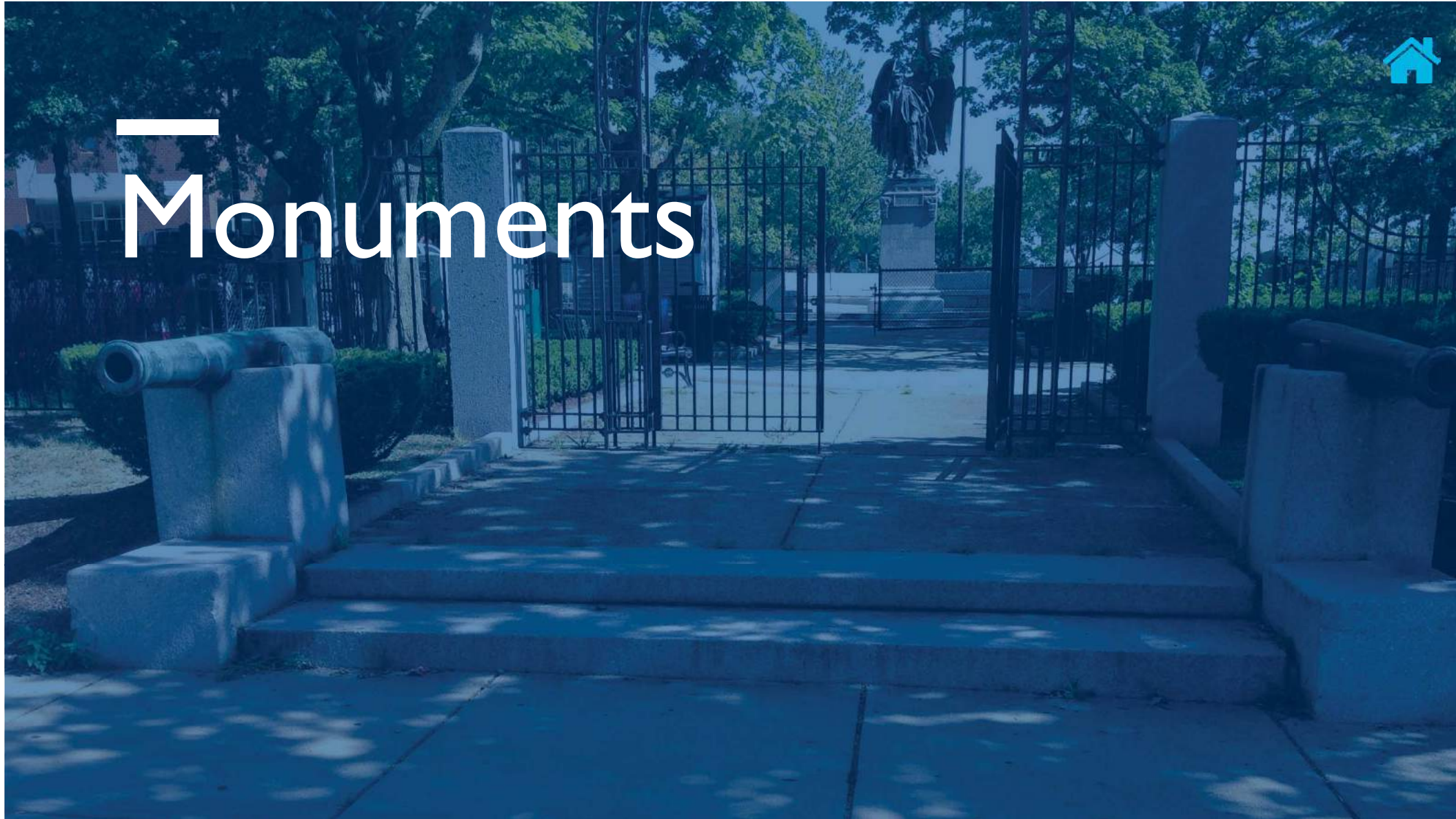
**Does campus feel inviting?
Why or why not?**

**What would create a more
inviting/welcoming campus?**

**What's missing on campus?
(ex. Cafes, food, retail)**



Monuments







Memorial Cannons



Anthony V. Fedeale Way Sign



Memorial Brick



Civil War Memorial - 1908



Korean War Memorial - 2000



"Somerville High Honor and Progress" Plaque*



Pay Phone Art Box



Dilboy Monument



Class of 2010 Stone



Memorial Bench



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Somerville Honor Roll



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Art Globe



Memorial - Women of the Union Square Post Plaque



Spanish War/ Philippine/ China



1
Memorial Cannons



2
Korean War Memorial - 2000



A
Dilboy Monument



11
Vietnam Memorial - 1985



12
Memorial - Women of the Union Square Post Plaque



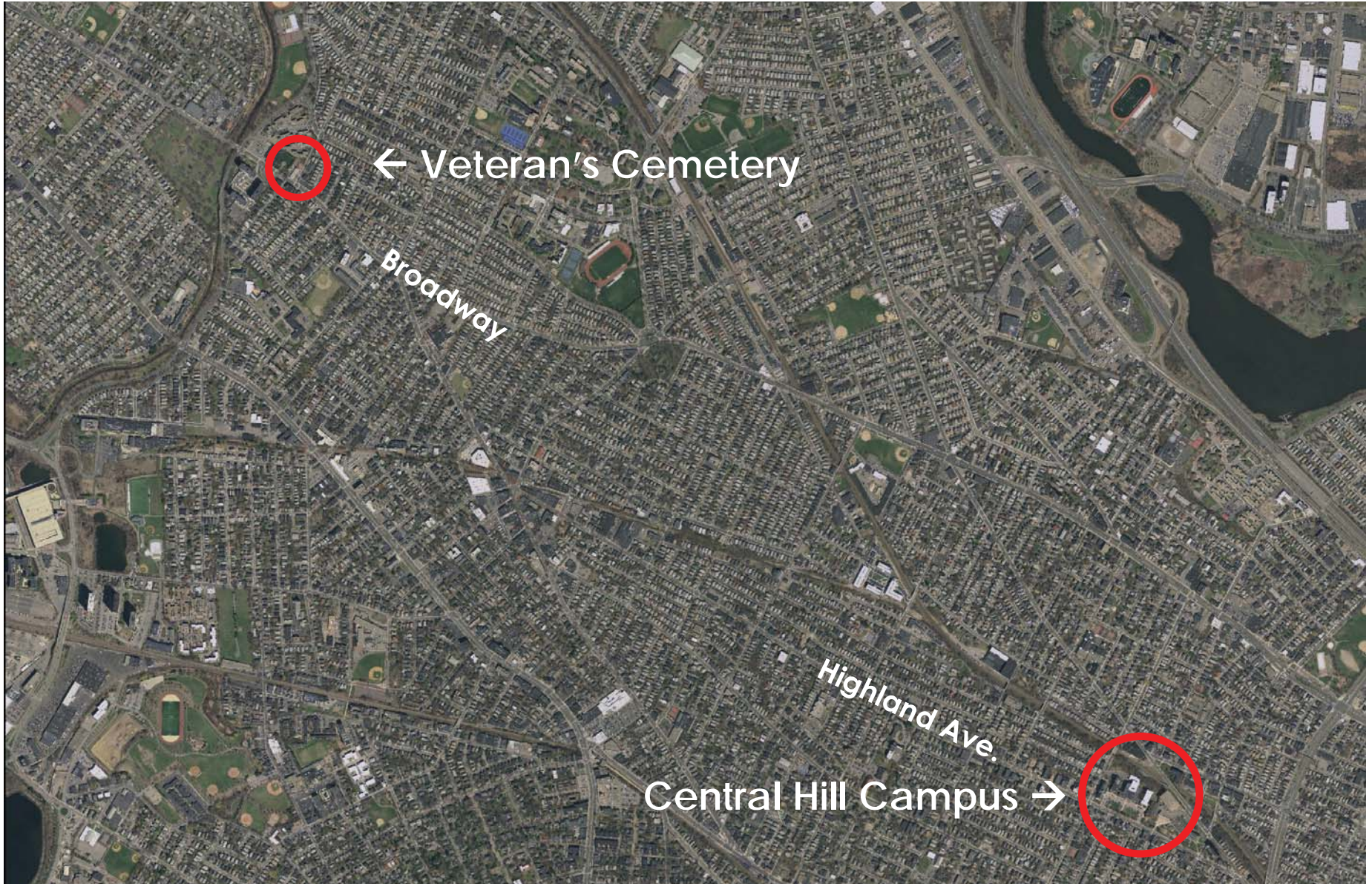
C
Spanish War/ Philippine/
China



13
Civil War Memorial - 1908



B
Somerville Honor Roll



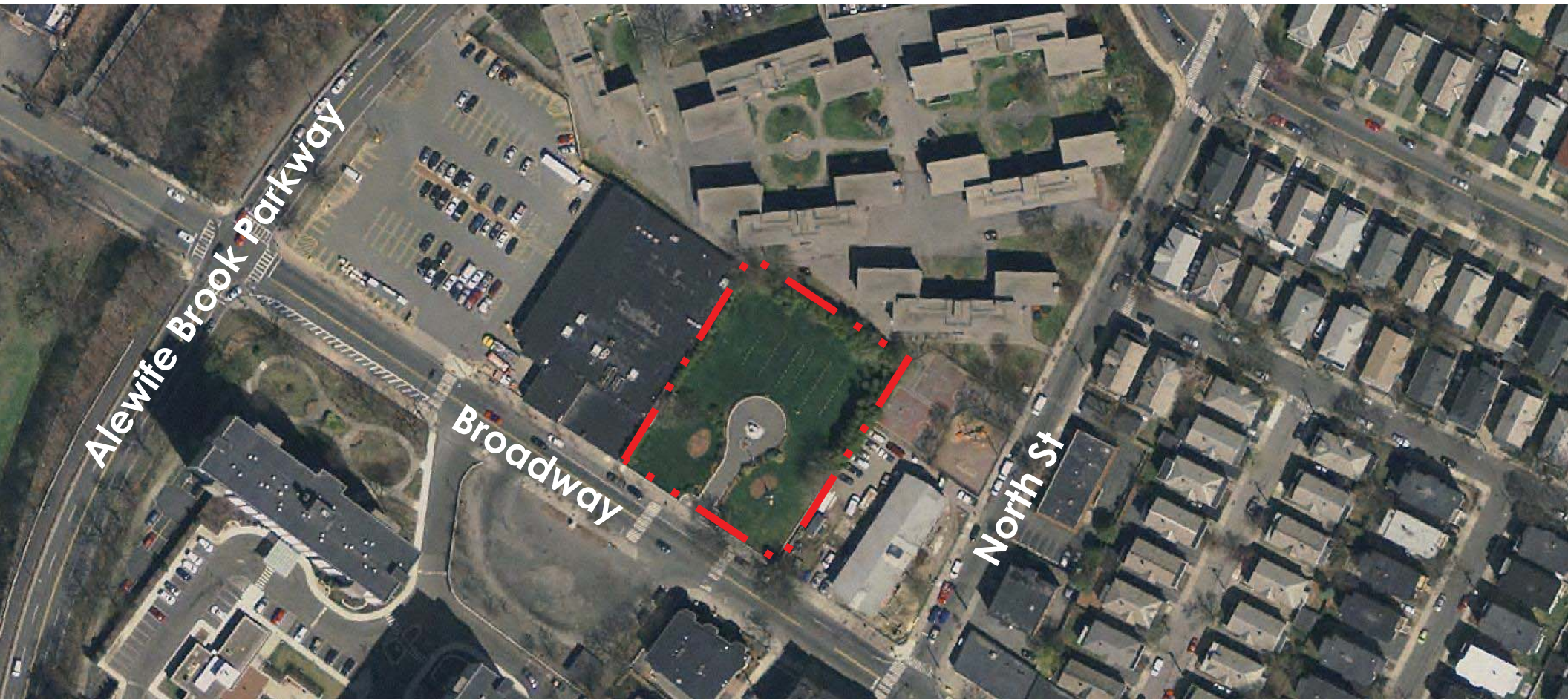
← Veteran's Cemetery

Broadway

Highland Ave.

Central Hill Campus →

Veteran's Cemetery Location





Discussion



Next Veterans Commission Meeting –
June 20^h at 5.30pm at Council on Aging



Open Discussion



engagement

assistance

attendance

unity

action

partnership

sharing

aid

presence

PARTICIPATION help involvement

cooperation
joining

permission
unanimity

encouragement

CONSENSUS

harmony

approval

endorsement

compliance

consent

support



Central Hill Comment Card:

How easy was it for you to get here?



Why do you come to Central Hill Campus?

- Pay Bills?
- Other City Business?
- High School Visit?
- Playground?
- Events?
- Monuments?
- Library?
- Other?

Do you want to be on the mailing list?





Feedback

To offer feedback or thoughts please contact:
centralhill@somervillema.gov



Schedule and Future Meetings

- Campus Planning Study Kick Off April 02, 2018
- Community Meeting One May 31, 2018
- Community Meeting Two Sept 13, 2018
- Community Meeting Three Oct 18, 2018
- Campus Planning Study Complete Dec 28, 2018



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Thank You

