



Data Science and Translation Institute

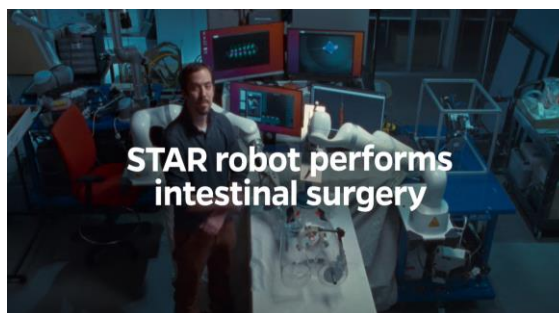
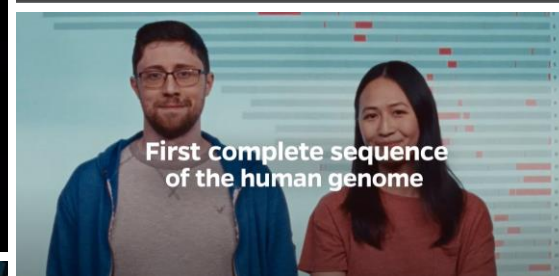
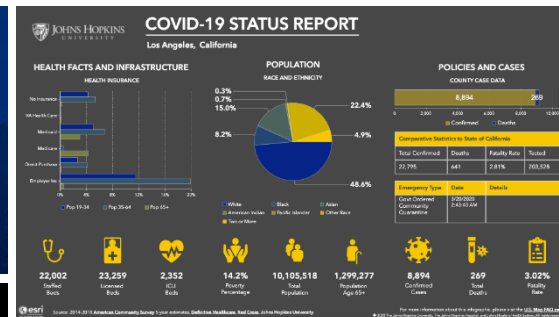
Agenda

- World Class Research Institution Committed to Baltimore
- A New Strategic Plan
- Seeking Your Support for a Zoning Variance
- Scope of Variance Request

World Class Research Institution Committed to Baltimore

Johns Hopkins University - Internationally Recognized World Class Institution Based in Baltimore

Guided over the past ten years by the aspirations of the *Ten by Twenty* Strategic Plan and fueled by the unbounded creativity, innovation, and passion of our community, JHU accomplished extraordinary things. Through the vision of *Ten by Twenty*, JHU has or is repurposing existing buildings and is constructing new ones to promote collaboration, foster innovation, and enhance the student experience.



Wyman Building 1 Renovation



Hopkins Student Center



O'Connor Center for Recreation & Well Being



SNF Agora Institute

A New Strategic Plan

JHU recently announced *Ten for One*, a new strategic plan that boldly address global and local challenges

"We now find ourselves at another moment of vast opportunity. The challenges facing society continue to be formidable, from the existential threat posed by climate change, to the scourge of entrenched inequality, to the steady rise of autocracy around the globe. Yet the opportunities for bracing research, education, and clinical care are, we firmly believe, without limit."

- President Ron Daniels

- Like *Ten by Twenty*, *Ten for One* initiatives will promote advanced research in life sciences. Additionally, *Ten for One* will bolster JHU's commitment to research in the emerging fields of data sciences and artificial intelligence.



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To empower *Ten for One*, Johns Hopkins University is developing a new Homewood Campus Master Plan. The plan will explore and recommend long range planning scenarios to realize the plan's goals.

- The Master Plan will outline physical solutions needed for responsible environmental stewardship and moving JHU towards carbon neutrality.
- Most of the work completed to date is mining and documenting current state metrics for comparison and validation of aspirational strategies to be developed.
- JHU will invite adjacent neighborhoods to participate in the master plan process in 2024.
- Among the ten goals of *Ten for One* is developing a new generation of partnerships and programs to support the City of Baltimore and communities of which JHU is a part.

Ten for One Goals

ONE UNIVERSITY

1. Invigorate the sense of community and shared on-campus experience that are the essence of our university.
2. Embark on an ambitious series of major cross-university initiatives that build on our achievements as One University and lower the barriers to collaboration so that our faculty, students, and staff can pursue their ideas wherever they take them.
3. Deepen our commitment to diversity, equity, and inclusion, and to fostering a culture of dialogue and engagement that models the best of a pluralistic society.

INDIVIDUAL AND COLLECTIVE EXCELLENCE

4. Retain, recruit, and inspire the very best faculty in the world by ensuring that we have competitive resources, state-of-the-art facilities, and outstanding support services that nurture research and discovery at the vanguard of each field of inquiry.
5. Honor our legacy as the nation's first research university by developing ambitious reforms so that every graduate student and postdoctoral fellow receives an experience that is rigorous, innovative, and tailored to their career aspirations.
6. Create the preeminent undergraduate experience in a research-intensive university setting by nurturing a learning environment that allows students to connect with our leading faculty and research programs; provides unrivaled mentorship, immersive experiences, and life design; and creates a culture of engagement, community, and belonging that ensures our students can thrive individually and collectively.
7. Become a national employer of choice that recognizes, celebrates, and supports our staff and offers multiple pathways to professional and personal advancement for themselves and their families.

KNOWLEDGE AND IMPACT

8. Create the leading academic hub for data science and artificial intelligence to drive research and teaching in every corner of the university and magnify our impact in every corner of the world.
9. Develop new pathways to help us translate our cutting-edge research into meaningful policy ideas, and become the preeminent source of academic expertise for evidence-based policymaking in service to the nation and the world.

COMMUNITY PARTNERSHIP AND ECONOMIC OPPORTUNITY

10. Develop a new generation of partnerships and programs to support the aspirations of our neighbors and generate economic opportunity for the city of Baltimore and other communities of which we are a part.

JHU Needs New Science Facilities

The Master Plan will address the need for new research facilities. Even with new additions and renovations realized through *Ten by Twenty*, JHU's building stock is woefully inadequate to meet the needs of 21st century research.

- Existing buildings are too small; floorplates are not large enough to co-locate cross-disciplinary research teams*
- Existing buildings lack long span spaces to support needed flexibility and resiliency
- Slab to slab heights are not adequate to accommodate the sophisticated mechanical systems required
- Existing facilities are not adequate to support new faculty and research teams JHU will recruit to conduct a new generation of innovative research

To attract the very best faculty and students in the world, and attract research funding that further empowers JHU as Baltimore's foremost economic engine, JHU must have contemporary research facilities with capabilities that meet or exceed those at peer institutions

**Average square footage of academic/research buildings on Homewood Campus is 88,500 sf*



What JHU has



What JHU needs



Compared to Other Institutions, JHU is Woefully Inadequate

New Science Buildings Recently Completed or Underway at nationally recognized institutions from 250,000 to nearly 700,000 square feet to support new science.



Campus	Princeton University	Project	Environmental Studies and the School of Engineering and Applied Science
GSF	665,700	Program	Environmental science, bioengineering, chemical and biological engineering,



Campus	MIT	Project	Kendal Square – Site 5
GSF	444,000	Program	MIT Museum, the MIT Press bookstore, Boeing’s Aurora Flight Sciences research unit, and a mix of tenants



Campus	Harvard University	Project	Science & Engineering Complex
GSF	544,000	Program	Harvard John A. Paulson School of Engineering and Applied Sciences (SEAS), interdisciplinary research, learning, & innovation.



Campus	Yale University	Project	Science Building
GSF	282,500	Program	Research labs supporting work in molecular, cellular, & developmental biology; molecular biophysics and biochemistry; atomic, molecular, and optical physics.



Campus	Northwestern University	Project	Simpson Querrey Biomedical Research Center
GSF	625,000	Program	Biomedical research—establishing labs and laboratory support for 550+ Principal Investigators and 3,300 graduate students.

Compared to Other Institutions, JHU is Woefully Inadequate

New Science Buildings Recently Completed or Underway at Regional Public Universities. Regional schools are also building larger, more flexible and resilient facilities.



Campus	Towson University	Project	Science Complex
GSF	320,000	Program	Multidisciplinary teaching and research in biology, physics, astronomy, geosciences, chemistry, and environ. sciences



Campus	Towson University	Project	College of Health Professions Bldg.
GSF	240,000	Program	19 classrooms, 10 specialty labs, 10 patient exam rms, 8 speech & audiology research labs, 6 simul. labs, acute care simulation



Campus	Morgan State Univ.	Project	Health and Human Services Bldg.
GSF	208,000	Program	School of Community Health & Policy, School of Social Work, Center for Urban Health & Equity, Univ. Counseling Center

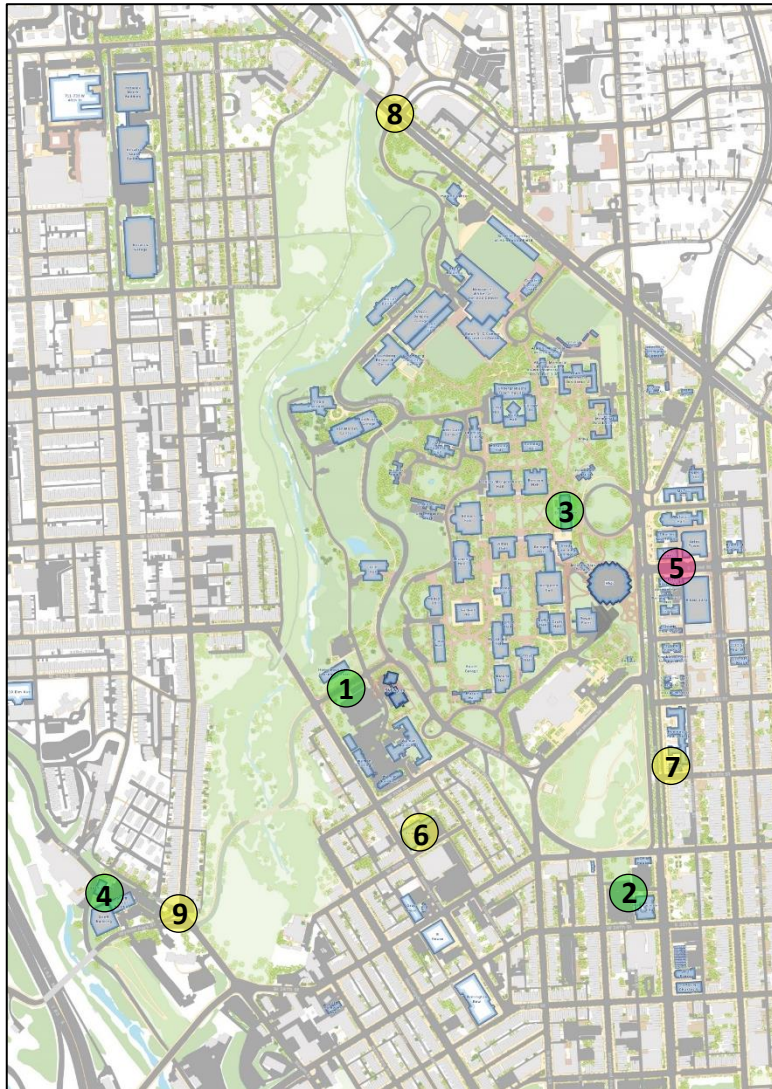


Campus	Univ. of MD	Project	Brendan Iribe Center
GSF	246,000	Program	Department of Computer Science Institute for Advanced Computer Studies (UMIACS)



Campus	UMB	Project	HSF3
GSF	435,000	Program	Institute for Genome Sciences; Program in Personalized and Genomic Medicine, Ctr for Epigenetic Research in Child Health and Brain Development (CERCH)

Projects on the Horizon



JHU will also renovate existing buildings and add new buildings to elevate the student experience, promote general well-being, and assure safety and security. JHU will also further enhance Homewood Campus landscape, complementing the surrounding communities.

Opportunities for placemaking improvements on and around the Homewood Campus:

● **Academics and Research**

1. New engineering buildings (DSTI)
2. New academic building (Dell House block)
3. Library modernization (MSEL)
4. Expansion of Stieff Silver for Specialized Research

● **Student Experience**

5. Homewood and Charles Village

● **Safety and Well Being**

6. 3001 Remington Ave Improvements
7. 3001 N Charles Street Apartment Renovation
8. University Parkway/San Martin Drive Intersection Improvements
9. Wyman Park Drive/Sisson Street Intersection Improvements

Seeking Your Support for a Zoning Variance

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As a result of Baltimore City's new Transform Baltimore Zoning Code, the Homewood Campus is zoned Education Campus Post Secondary (EC-2) and building height is restricted to 65 feet. Constructing academic and research facilities that meets our needs may require a zoning variance for the JHU Homewood Campus.

Requirements for a Variance Bill

- Submission of a Master Plan is required for any development that would deviate from the bulk or yard regulations of the underlying EC-2 Zoning District.*
- Documentation for the variance bill; which has been described as "PUD-light".

Process

- JHU has met with the Planning Department to clarify the process for securing a zoning variance.
 - Master Plan presentation to UDAAP depicting where buildings that exceed the 65 feet height limitation would be located
 - Introduction of a City Council Ordinance
- JHU is committed to a robust community engagement process beginning in September leading to a UDAAP presentation in October.

**No educational institutions have applied for Master Plan approval, so currently there is no precedent for what should be included in a Master Plan.*

Why JHU is Seeking a Zoning Variance



JHU recently announced a new Data Science and Translational Institute (DSTI), the cornerstone of a *Ten for One* goal – creating the leading hub for data science and artificial intelligence.

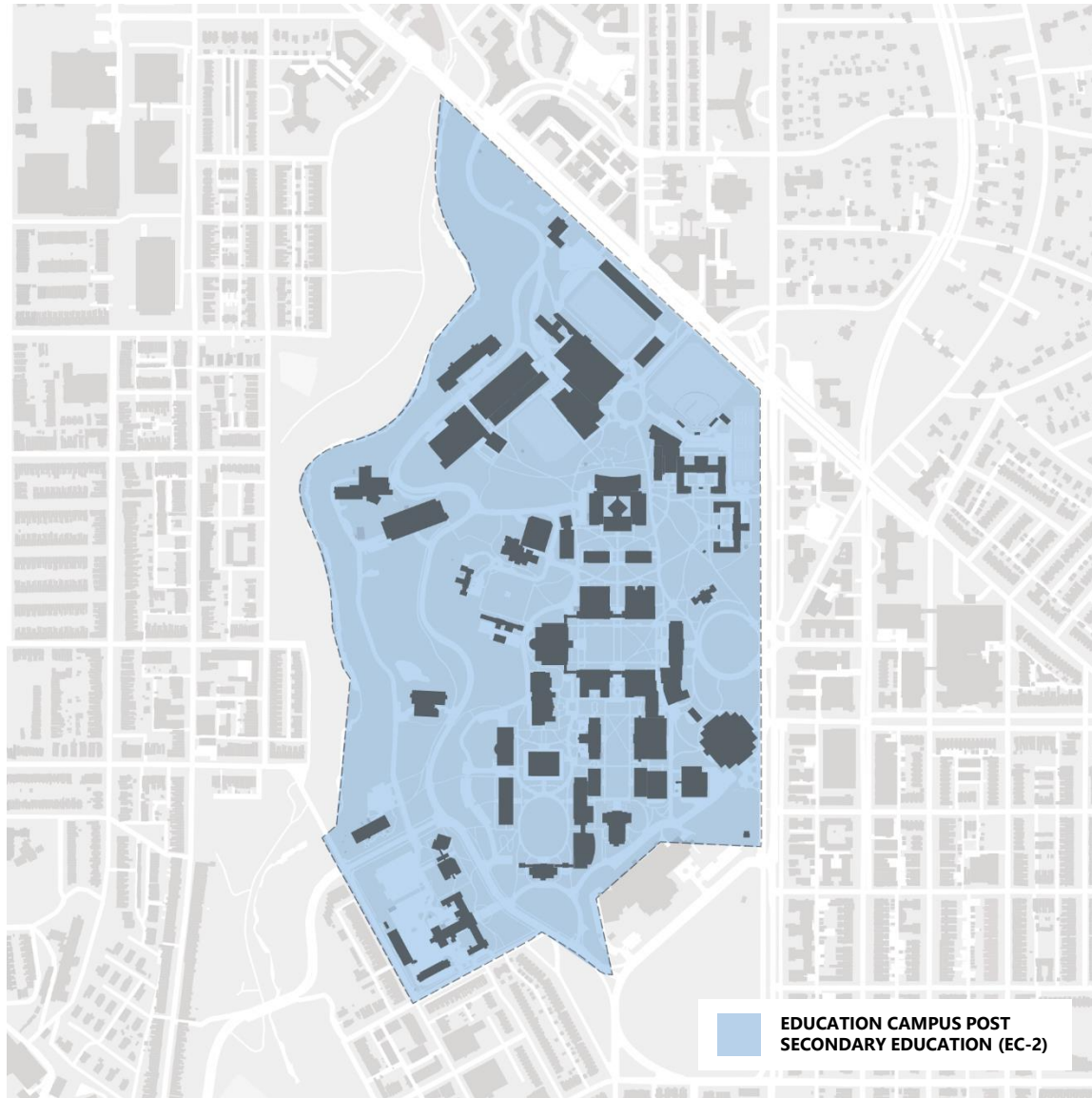
- JHU's Whiting School of Engineering has been planning a major AI research initiative for years and is now ready to move forward.
- JHU has advanced conceptual planning along the border of Remington.
- Studies have been developed for DSTI;
 - Study 1 - As of right height limitation
 - Study 2 - Above the as of right EC-2 height limitation
- Study 2 creates the opportunity to beautify Remington Ave and connects the Remington community with an inviting “green gateway” to the Homewood Campus.

The Wyman Park Precinct, which includes the Early Learning Center, is the ideal site for the new Data Science Translational Institute

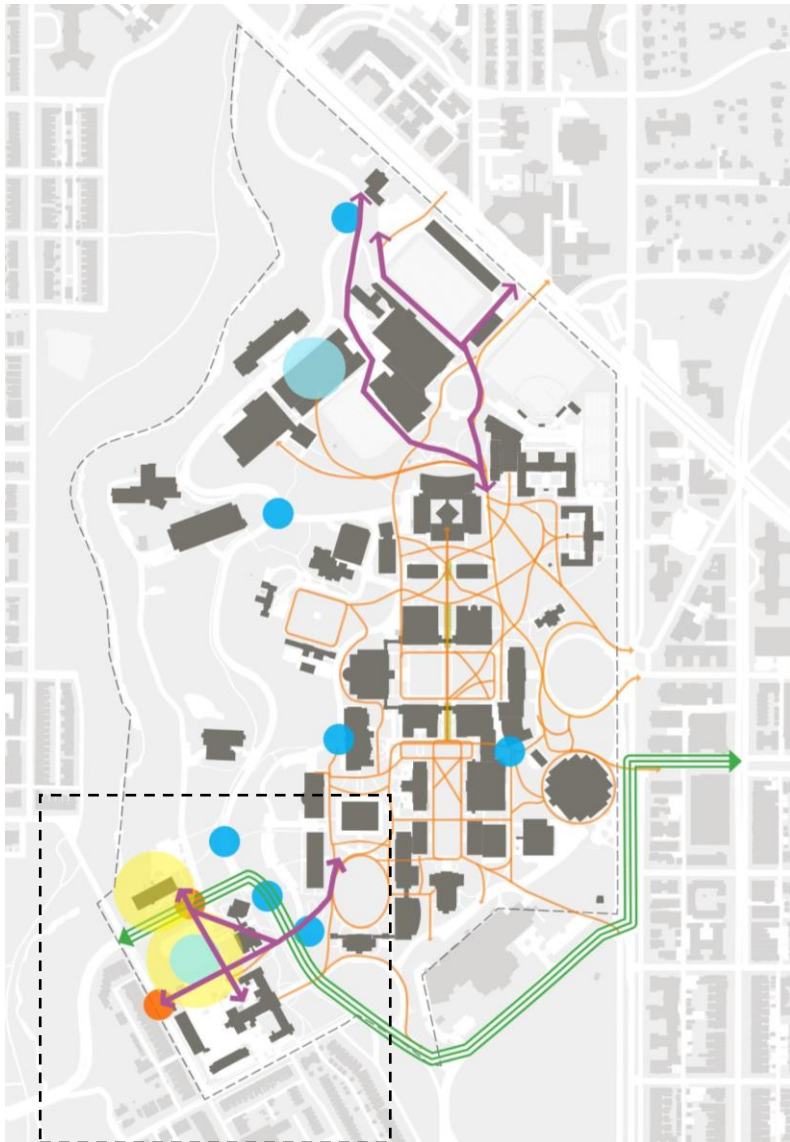
- *Proximity to Whiting School of Engineering facilities*
- *One of the few remaining undeveloped sites on the Homewood Campus*
- *Adequate to handle new academic and research facilities as well as parking required for new faculty and staff*
- *Opportunity to improve JHU's connection and economic investment in the Remington neighborhood*

Scope of Variance Request

Johns Hopkins University Homewood Campus Today



Developing a Campus and Precinct Master Plan



- Update 2012 Stormwater Management Plan to accommodate year 2100 precipitation volumes
- Strengthen and unify connectivity between formal “quadrangles” and the natural habitat along the western edge of campus
- Provide safe, accessible, and inclusive pedestrian pathways wherever possible
- Deconflict pedestrian and vehicular circulation
- Respect JHU signature legacy buildings; encourage innovation, functionality, and contemporary design along campus edges

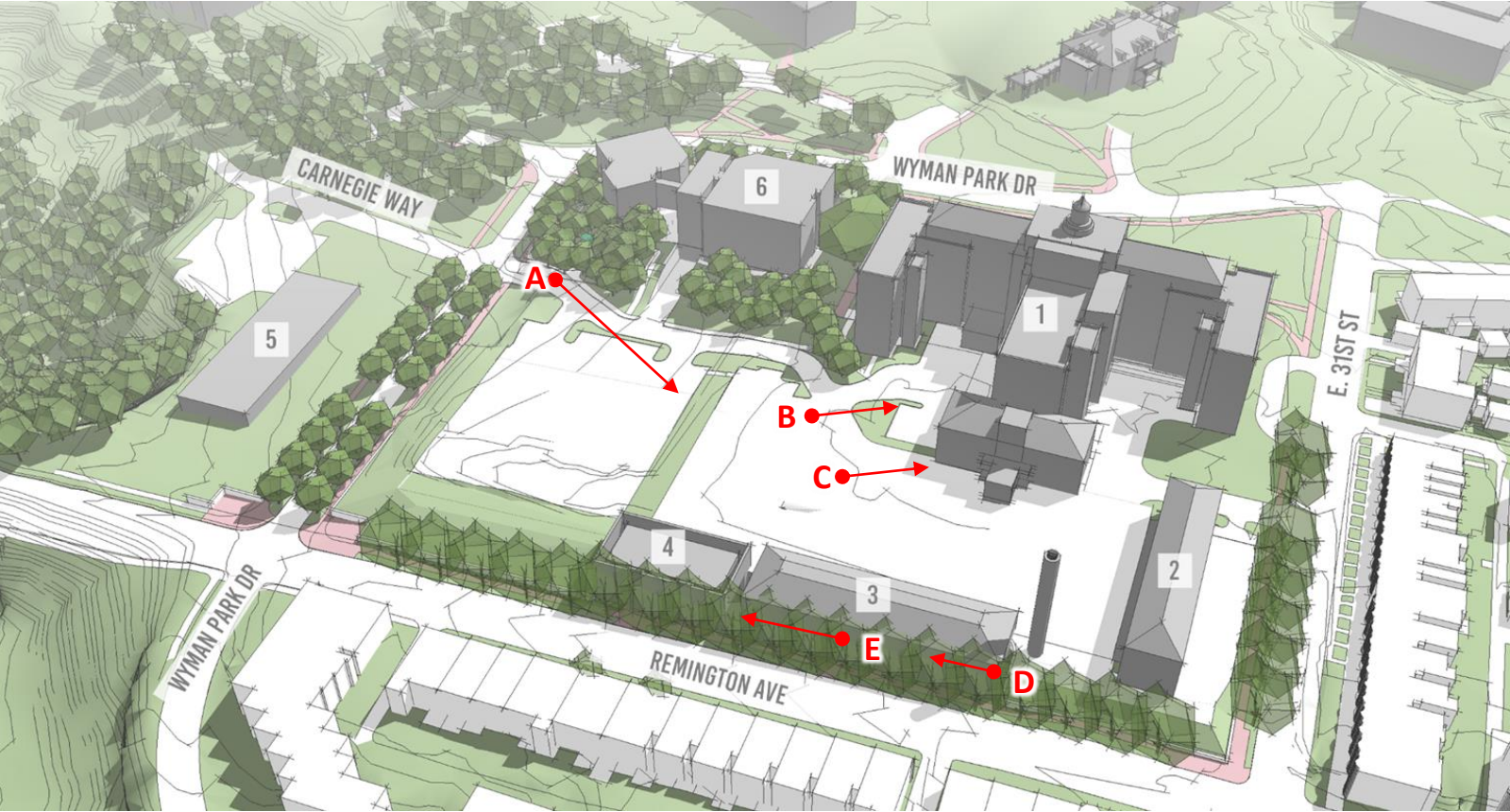


	PEDESTRIAN SAFETY CONSIDERATION
	PUBLIC TRANSIT STOP
	FUTURE ADA COMPLIANT ACCESS POINTS
	NEW HOMEWOOD PEDESTRIAN PATHWAYS
	FUTURE BALTIMORE GREENWAY TRAILS NETWORK
	FUTURE LOCATION FOR ADDITIONAL PARKING
	FOREST AREA
	FUTURE ENHANCED PEDESTRIAN LANDSCAPE CONNECTION TO URBAN ENVIRONMENT
	FUTURE QUADRANGLE
	EXISTING LEGACY QUADRANGLES
	FUTURE DSTI DEVELOPMENT SITE

Wyman Park Precinct of the Homewood Campus



Wyman Park Precinct of the Homewood Campus



LEGEND

- 1 Wyman Park Building 1
- 2 Wyman Park Building 2
- 3 Wyman Park Building 3
- 4 Chiller Building
- 5 Early Learning Center
- 6 SNF Agora Institute
- Existing JHU Building



A



B



C



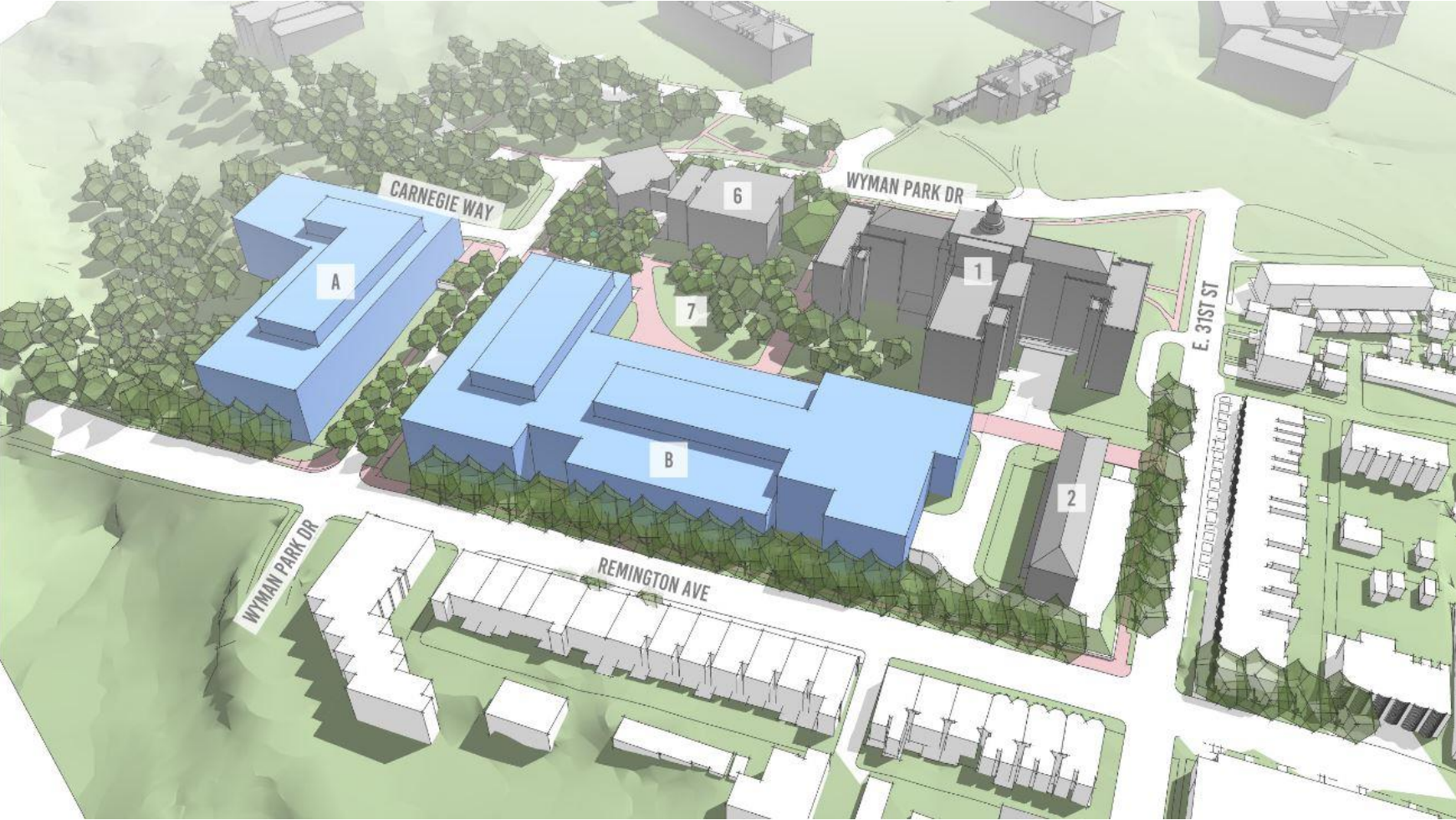
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Study 1 – As of Right

DSTI program requirement is approximately 500,000 GSF

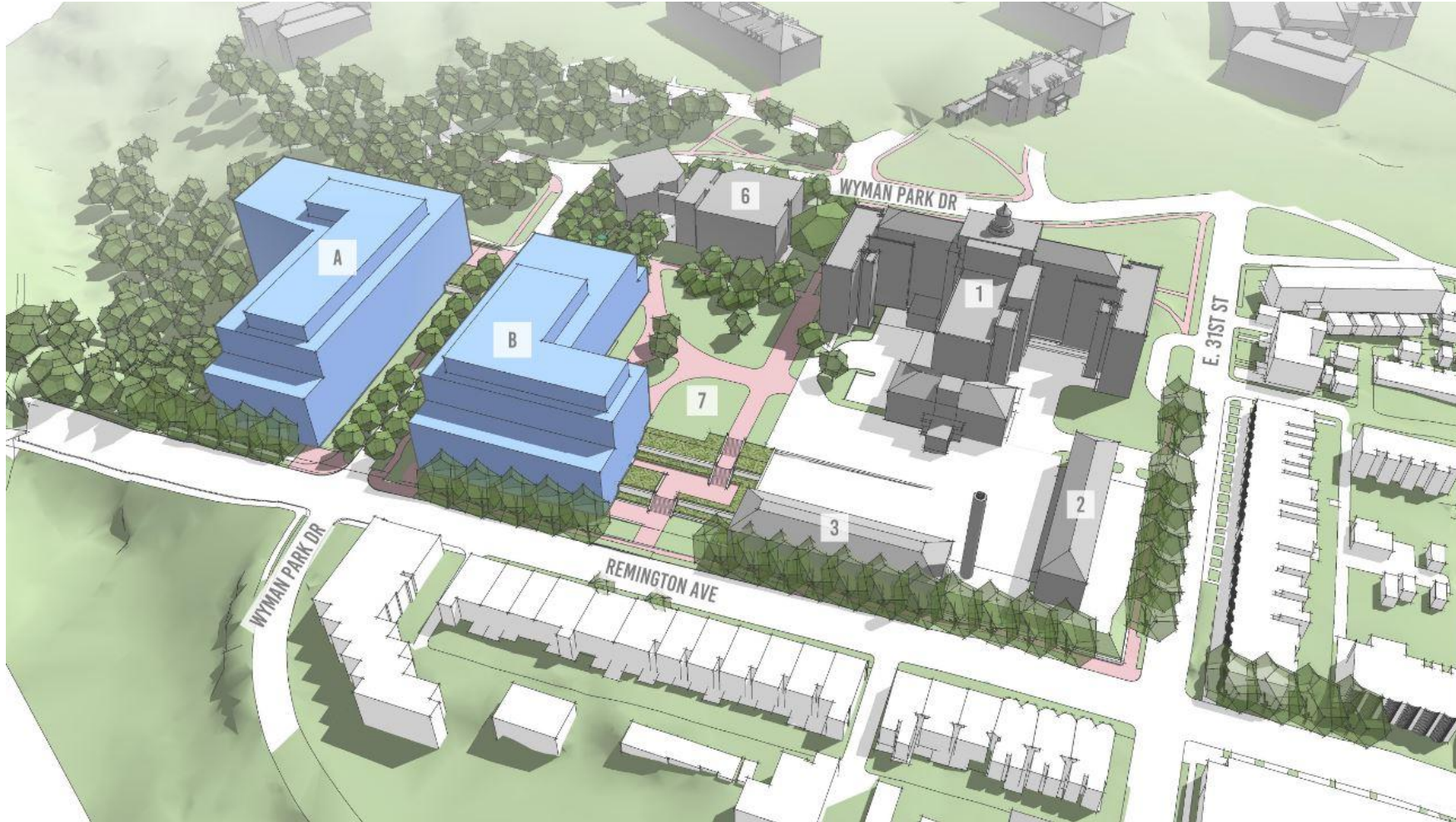


LEGEND

- 1** Wyman Park Building 1
- 2** Wyman Park Building 2
- 3** Wyman Park Building 3
- 4** Chiller Building
- 5** Early Learning Center
- 6** SNF Agora Institute
- 7** Landscaped Quadrangle & Underground Parking Structure
- A** DSTI Building A
- B** DSTI Building B
- Existing JHU Building

Study 2 – Requires Height Variance

DSTI program requirement is approximately 500,000 GSF

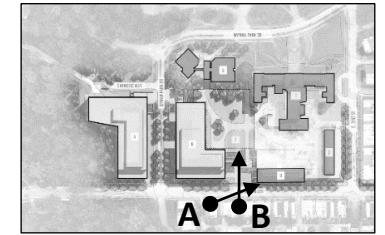


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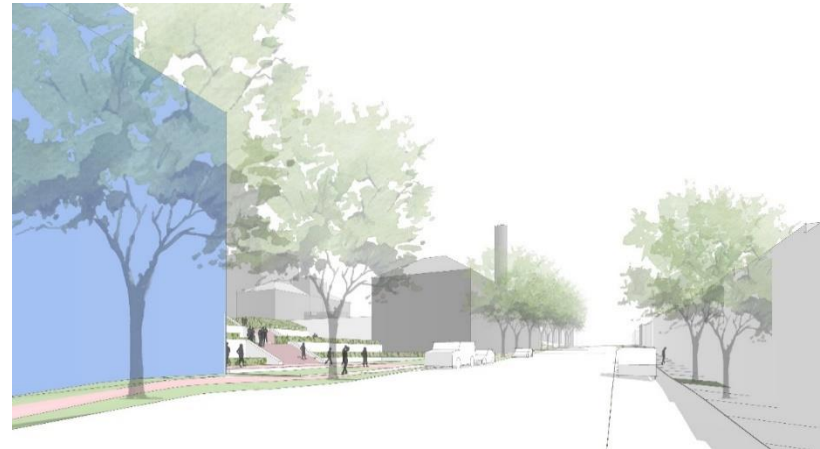
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Creating the “Green Gateway” Between Remington and Homewood

- Entering Wyman Park Precinct at the block’s midpoint decouples the complexities of city intersections and steep roadways from the goal of introducing an ADA compliant access to the Homewood Campus from Remington
- The future DSTI building will have a lobby open to the public that provides elevator access to the new quadrangle



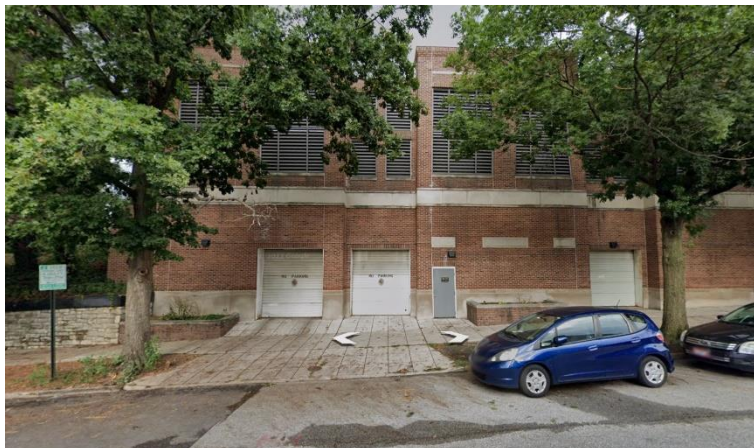
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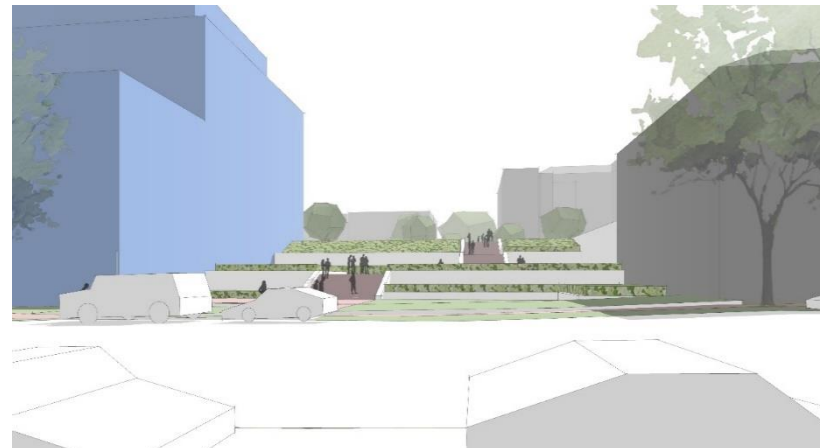
A



JHU Beach – Green gateway



B



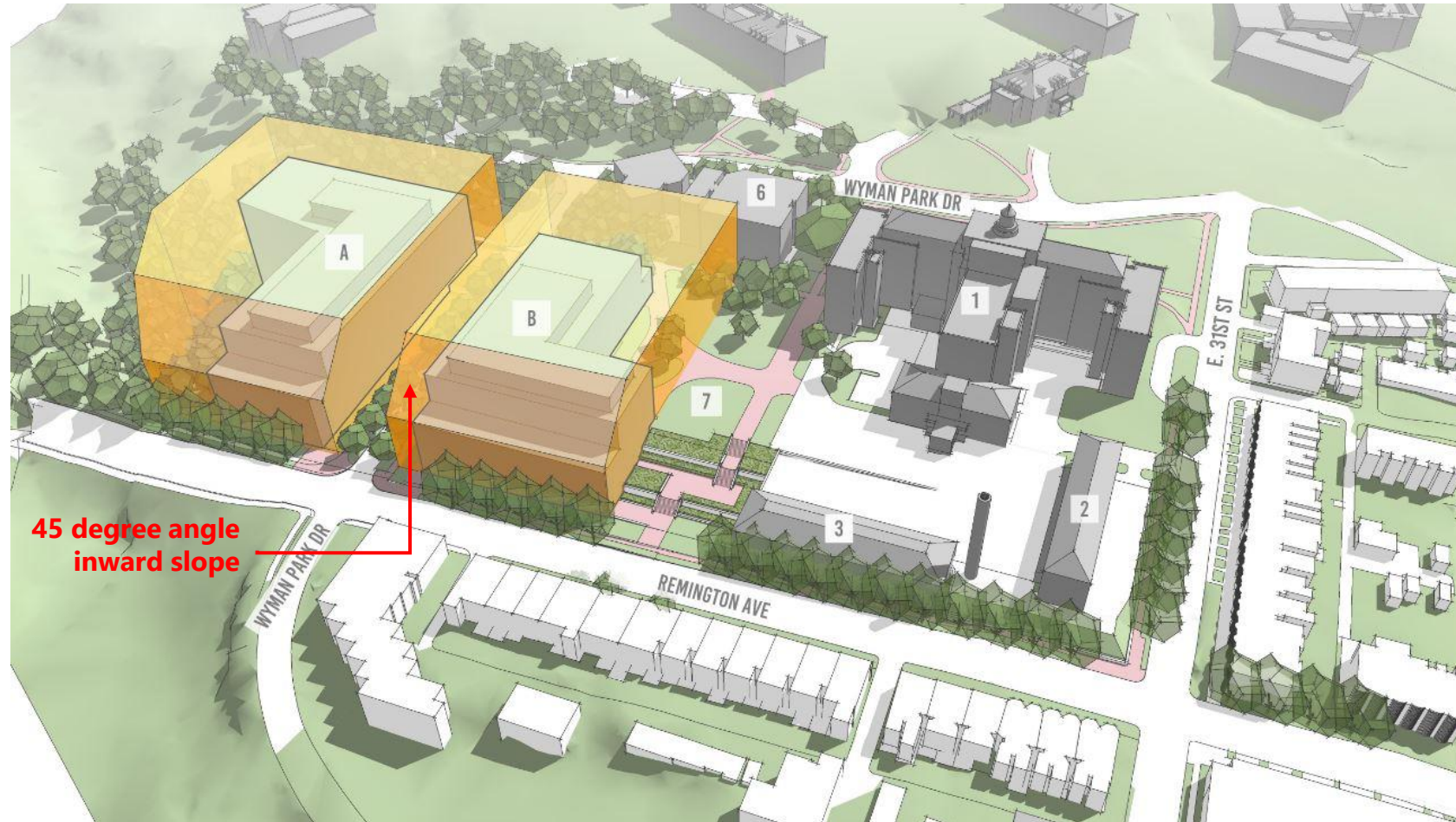
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Lawn at Mason Hall – Green gateway

Wyman Park Precinct of the Homewood Campus

Proposed location for additional height to provide program requirements within a more compact footprint

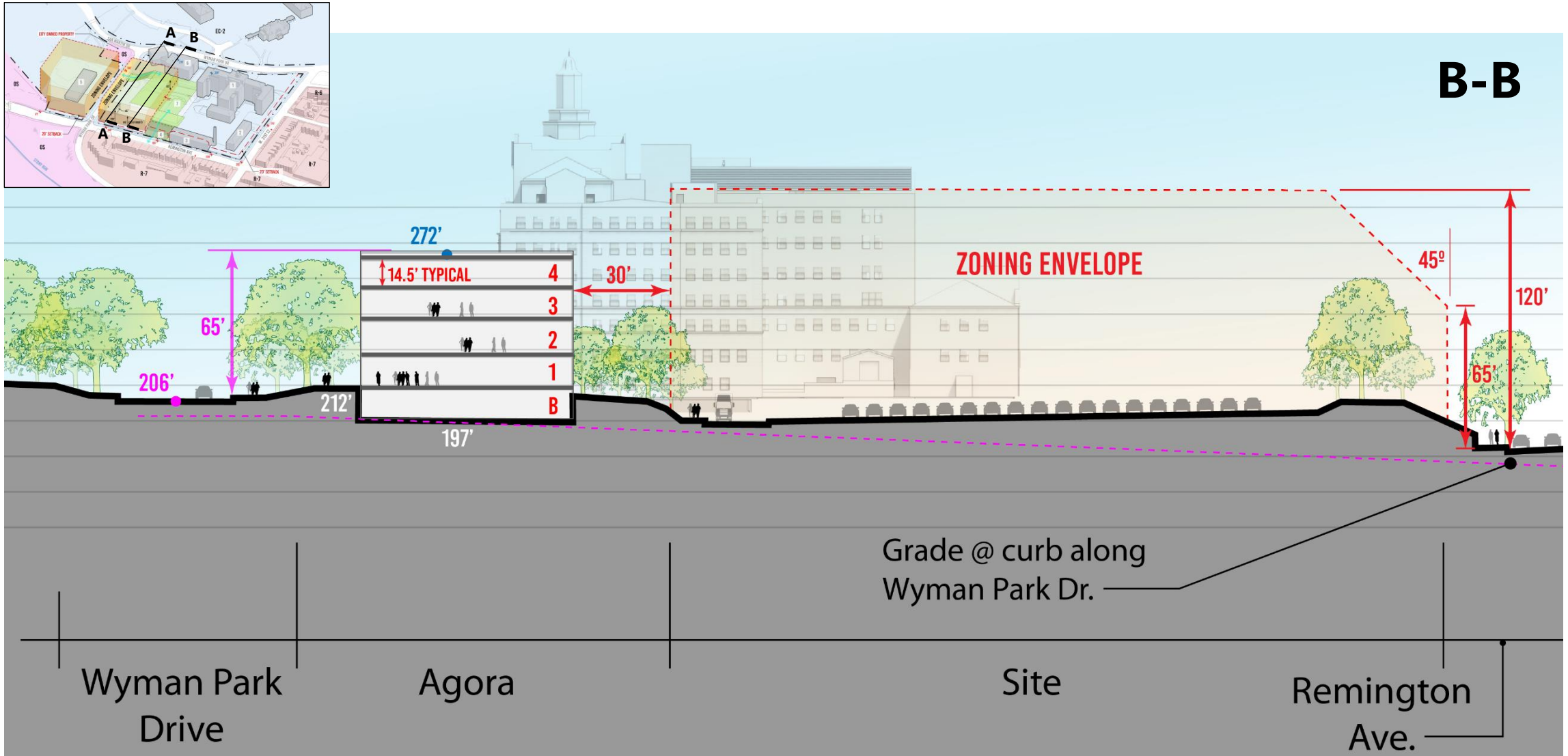


LEGEND

- 1 Wyman Park Building 1
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- A DSTI Building A
- B DSTI Building B
- Existing JHU Building
- Proposed Zoning Variance Envelope

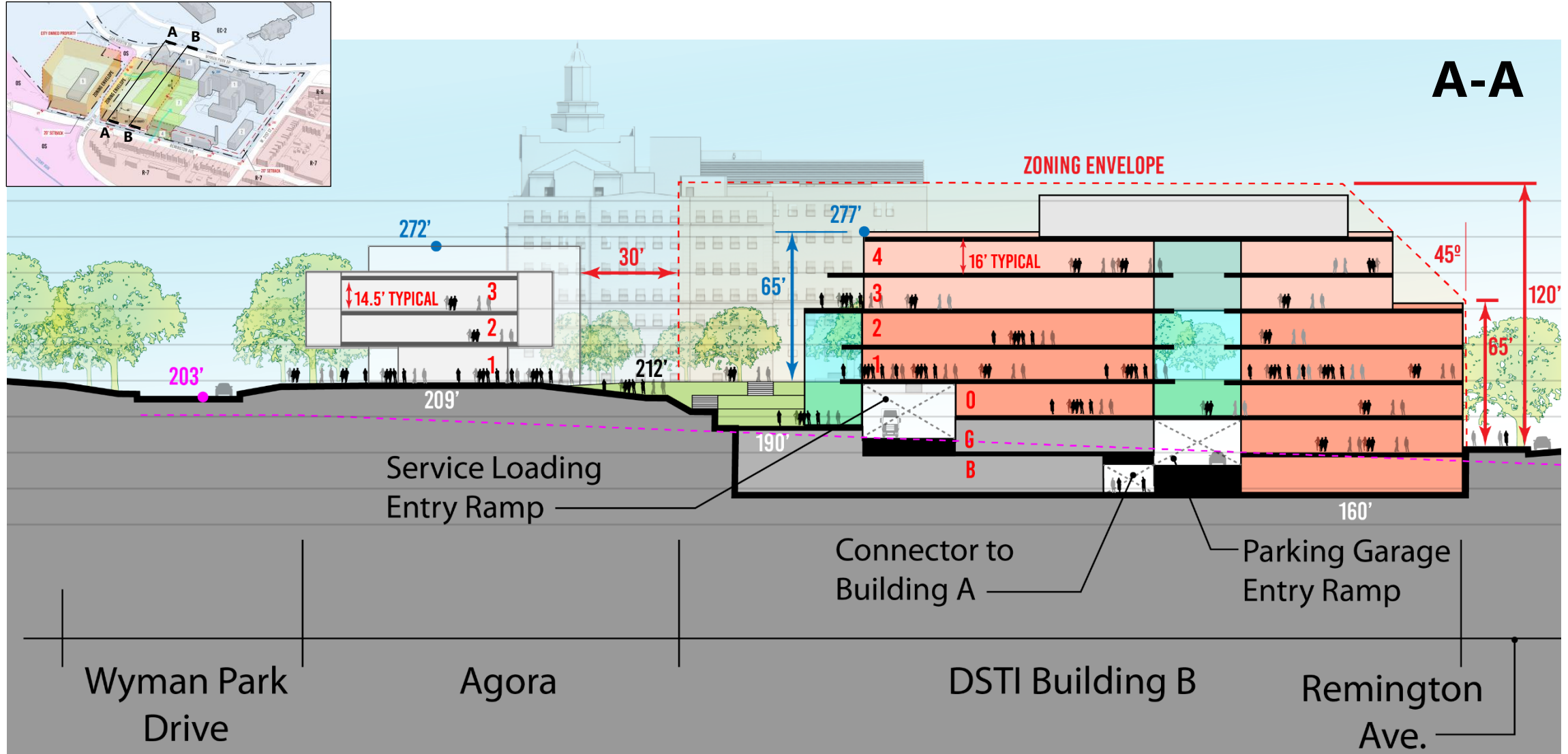
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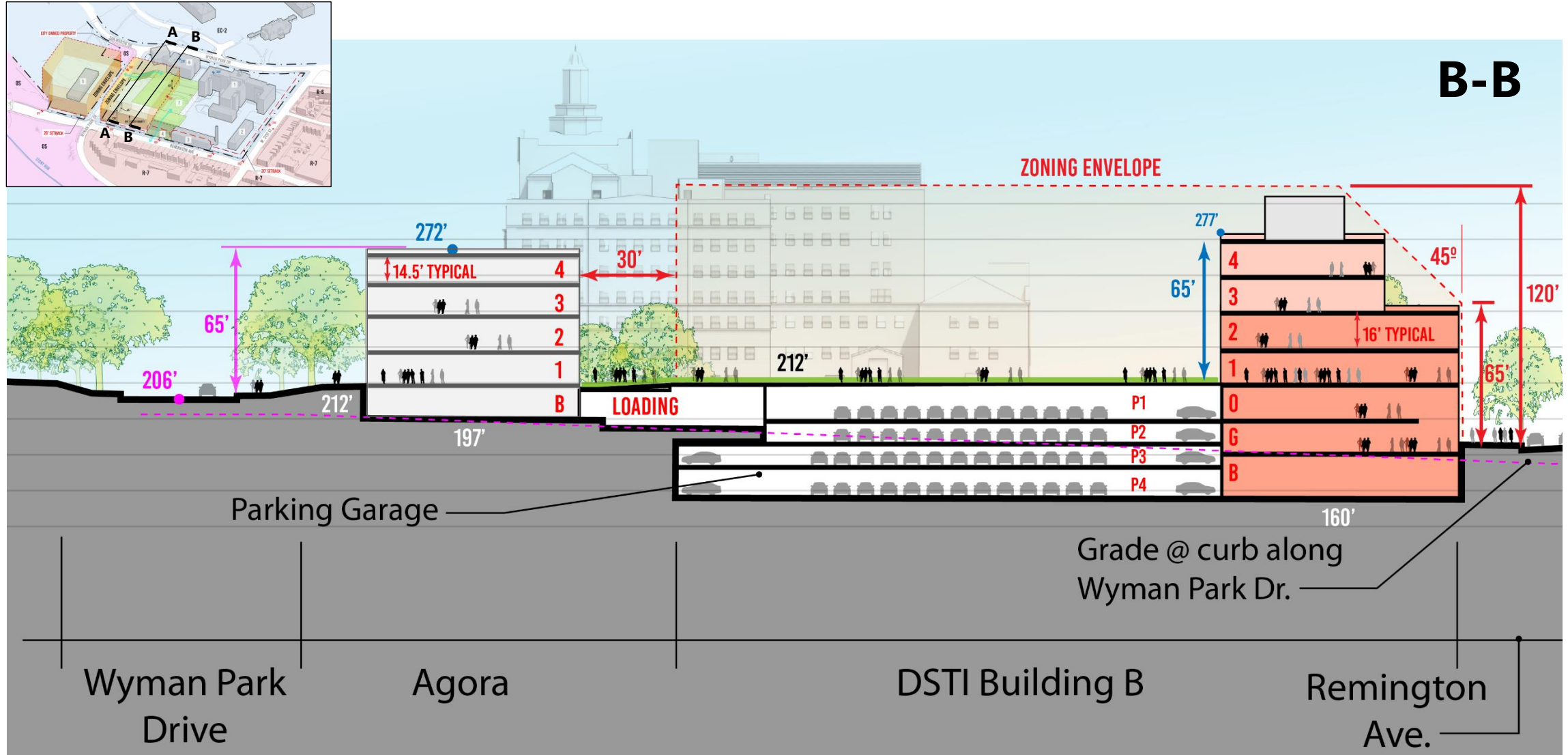
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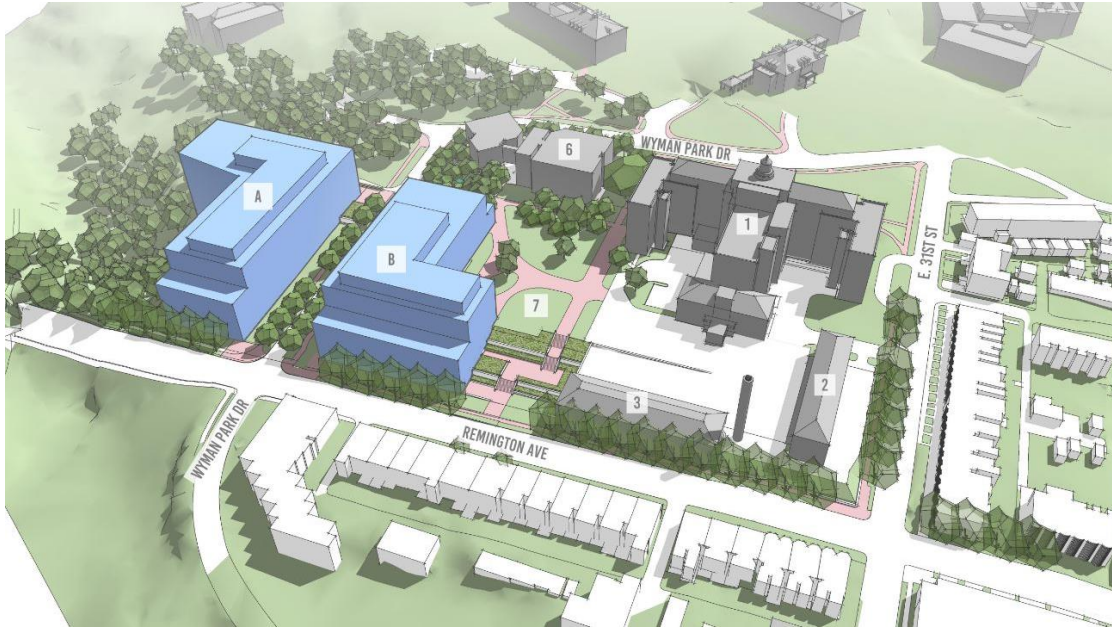


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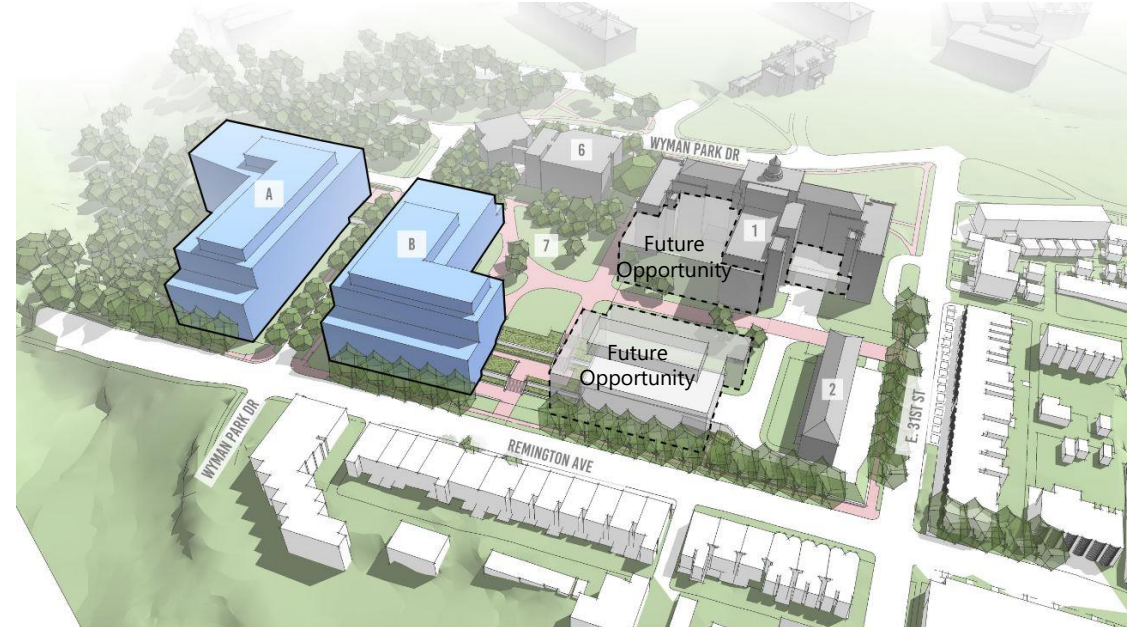
Proposed location for additional height to provide program requirements within a more compact footprint



Plan View of DSTI Development and Future Master Plan Opportunity



DSTI program requirements (approximately 500,000 GSF) planned with zoning variance



Proposed scheme for new DSTI buildings, new landscaped quadrangle and "green gateway" from Remington Ave, and as of right development opportunities for the future of the Wyman Park Precinct

Thank You