UNIVERSITY OF MARYLAND

CAMPUS FACILITIES PLAN

AUGUST 2023

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INTRODUCTION

The University of Maryland (UMD) is Maryland's flagship institution and is one of the nation's most prominent public research universities.

Founded in 1856 as the Maryland Agricultural College, the university currently has 40,792 students and offers 104 undergraduate majors, 115 master programs and 84 doctoral programs. As the largest institution in state of Maryland and the Capital Region, UMD has over 400,000 alumni, produces over $600M in research, and generates a $3.7 billion annual economic impact on the state.

UMD finds itself approaching a transitional moment in the university's history – a new strategic plan (*Fearlessly Forward*), sustained development of the academic and research enterprise, a soon-to-be operational Purple Line, and momentum building toward meeting 2025 carbon-neutrality goals. At the same time, the physical campus is shaped by:

- Limited land available to accommodate long-term academic and research needs
- Aging facilities and infrastructure
- Existing campus topography and legacy circulation / accessibility issues
- The need to advance sustainability and resilience improvements

The following Campus Facilities Plan outlines bold steps that UMD can take to advance the university *Fearlessly Forward*.

40,792 headcount enrollment

15.3M gross square feet campus facilities

1,340-acre College Park campus

$677M in sponsored research awards

11,513 degrees granted

14,505 faculty and staff members

UMD Highlights (2022)

CAMPUS FACILITIES PLAN PURPOSE

The Campus Facilities Plan sets forth a vision and framework for the future development of campus and aligns the values and principles of the University Mission and 2022 strategic plan with strategic placement of new buildings, investment in existing buildings, upgrades and resilient infrastructure systems, and enhanced connections within and to adjacent communities. The Campus Facilities Plan will build upon recommendations from prior planning efforts and provide responsive solutions to meet current campus needs and goals.

The Campus Facilities Plan will advance UMD's Mission, Vision, and strategic plan goals and objectives with key physical strategies including (but not limited to):

- Guiding near- and long-term physical development for the flagship College Park campus
- Identifying opportunities to strengthen connections with the greater College Park community
- Supporting and advancing university sustainability and resiliency goals

UNIVERSITY MISSION, VALUES, AND STRATEGIC PLAN

The Campus Facilities Plan embodies the aspirations and intent expressed by UMD's Mission, Values, and recently adopted strategic plan, *Fearlessly Forward: In Pursuit of Excellence and Impact for the Public Good*, each summarized below:

UMD MISSION STATEMENT

Achieving excellence in teaching, research, and public service within a supportive, respectful, and inclusive environment is central to the mission and identity of the University of Maryland, College Park (UMD). As the flagship campus and a national leader in higher education, UMD strives to provide exceptional and affordable instruction for Maryland's most promising students, regardless of income. A pre-eminent locus of scholarship, the university builds and maintains a world-class capacity in the sciences, arts, and humanities to support ground-breaking discoveries that address the most pressing global challenges and inspire the human imagination. As one of the country's first land-grant institutions, UMD uses its research, educational, cultural, and technological strengths in partnership with state, federal, private, and non-profit sectors to promote economic development and improve quality of life in the state of Maryland. Diversity amongst our students, faculty, and staff is essential to this mission. Accordingly, ensuring equal educational opportunity; hiring and retaining a diverse and exceptional faculty and staff; recruiting and graduating talented students from traditionally underrepresented groups; and providing a supportive climate for their well-being are top institutional priorities.

UMD VALUES STATEMENT

The University of Maryland (UMD) is a community of individuals living and working together to support and advance the educational and research mission of the institution. We aspire to become a community that is: United, Respectful, Secure and Safe, Inclusive, Accountable, and Empowered and Open to Growth.

FEARLESSLY FORWARD: IN PURSUIT OF EXCELLENCE AND IMPACT FOR THE PUBLIC GOOD

Fearlessly Forward, adopted in the spring of 2022, serves as the strategic plan to steward UMD's Mission and Vision into the future and includes the following elements:

Strategies from the strategic plan that inform the physical development of the campus include:

- Promoting multidisciplinary collaboration and experiential learning
- Engaged and impactful research and curricular innovations
- Addressing "grand challenges" across local and global scales
- Supporting civic engagement and lasting partnerships between students and the broader campus community
- Developing strategic research partnerships
- Strengthening social justice through relationship-building and community partnerships

Four Pillars of the Strategic Plan, Source: UMD 2022 Strategic Plan

PLANNING PROCESS

The Campus Facilities Plan is the result of visionary leadership and extensive collaboration with the campus community and its neighbors.

Formal work on the Campus Facilities Plan took place over 18 months and followed the three-phase process (illustrated below). The planning effort was supported by the direct input from campus and community members and analysis and study from a multi-disciplinary planning team. Throughout the process, the planning team benefited from the guidance and support of the UMD community, including the project's Steering Committee, university President Darryll J. Pines, faculty, staff, students, as well as external stakeholders.

The result of this comprehensive process is an inspired and achievable plan for the campus that is rooted in both qualitative and quantitative assessments, supplemented by a robust outreach and engagement process.

SPRING '22 - FALL '22

Phase I entailed a comprehensive assessment of campus conditions with broad stakeholder engagement, identification of current and projected physical campus needs, and development of initial guiding principles.

SPRING '23 - SUMMER '23

Phase II included the development and testing of planning concepts in response to physical campus needs, input from stakeholder engagement, and results of the conditions analysis.

SUMMER '23 - FALL '23

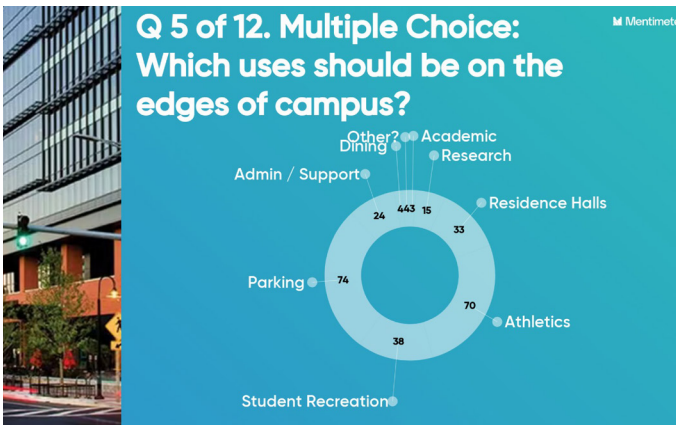
Phase III focused on establishing a preferred physical campus vision and the development of the executive summary and final report for review and adoption.

OUTREACH AND ENGAGEMENT

The Campus Facilities Plan's robust outreach and engagement process ensured that the final plan reflects the many unique aspirations and ambitions of UMD's wide-ranging campus communities.

Students, faculty, staff, and external campus constituents were engaged, over 100 meetings were held, and over 6,000 survey/live polling responses were collected to inform the planning process.

Major themes of the input collected from the campus community are highlighted to the right:



Top: Faculty and staff from the School of Architecture, Planning and Preservation gather to support a Campus Facilities Plan visioning workshop. Results of the workshop served to inform campus organizing strategies.
Bottom: Responses from a live poll used during a University Senate meeting to gauge preferences on land use adjacencies to inform the development of the land use framework plan.

Facilities and Programming

Enable a dynamic, innovative, and inclusive campus environment that supports cutting-edge academic programs, impactful research, vibrant residential life, and collaborative spaces for discovery and innovation.

Placemaking

Enhance the campus environment to promote health and wellness, fostering collaboration while maintaining individual school/college identities, and creating visible spaces to showcase and encourage innovation throughout the institution.

Circulation and Connectivity

Improve campus scale, accessibility, and connectivity to create a more cohesive and inclusive campus environment.

Sustainability

Maintain commitment to infrastructure modernization, climate resilience, and sustainability integration into daily operations. This includes updating aging infrastructure, addressing flooding issues, and expanding sustainable practices throughout the campus to align with the university's sustainability and carbon reduction goals.

THE EVOLVING CAMPUS

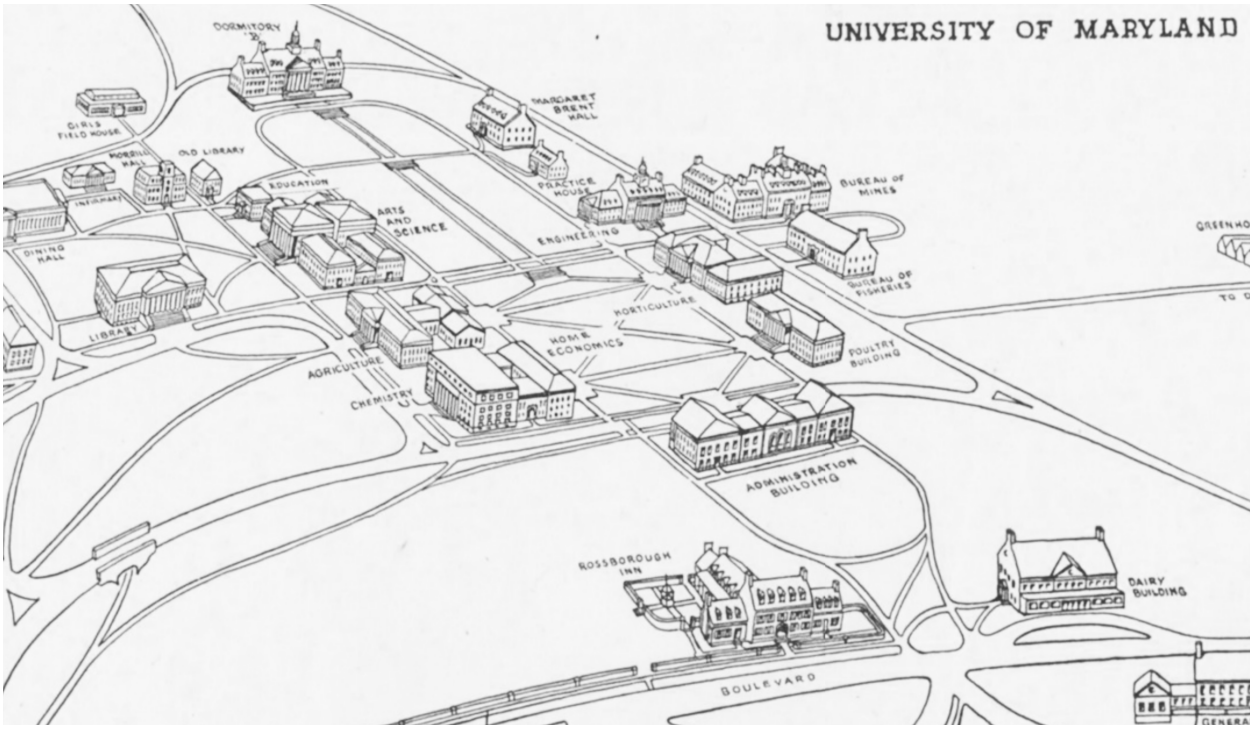
Since its inception as the Maryland Agricultural College in 1856, UMD has transformed to become a leading public research institution with one of the most desirable and dynamic campuses in the country.

As the university expanded from a small college on the hill to a flagship university stretching across 1,340 acres, some of the most successful and defining elements of the campus layout have been altered, diminished, or faded from view – its clear organizational hierarchy, rich collection of signature open spaces, extensive network of pedestrian-focused walkways, and sympathetic relationship with adjacent natural areas were all hallmarks of the historic and iconic early campus eras.

Recapturing the most successful elements of the historic campus, while managing continued development requires the university to commit to the idea that each individual decision about where and how the university will grow, must be supportive of a singular, cohesive and comprehensive campus vision. The following observations on the evolution of campus are offered as lessons to inform future decision making.

Key Observations

» **Multiple early plans for the campus prioritize a compact academic core surrounded by lower intensity uses:** Throughout the first century of its existence, the campus was planned around a singular compact academic core. The core was surrounded by lower-intensity uses including housing and recreation – a planning model that, if reinstated, would support the university's goals of increasing collaboration between academic units and showcasing research and innovation.



Map of the University of Maryland campus, 1941, illustrating the development of McKeldin Mall flanked by academic and administrative uses

» **What was once on the edge, is now in the center:** As a result of many generations of development, uses that were once located on the campus edge are now constrained within the campus core. It reduces opportunities for academic collaboration, increases vehicular congestion, and lengthens the distance campus users travel between spaces.

» **Sprawling post-WWII development diminished the overall campus character, particularly north of Campus Drive:** The campus expanded north of Campus Drive to accommodate steep enrollment increases after World War II but followed a suburban model of development that prioritized vehicles and roadways and lessened the focus on pedestrian environments and open spaces, simultaneously expanding the academic core and psychologically-disconnecting from the historic core of campus.

» **Sustainable stewardship of university land relies on achieving the appropriate carrying capacity of the campus development sites:** Many areas of campus have clusters of undersized and outdated buildings that, as a result, are no longer the highest and best use of university land. New buildings and redevelopment projects maximize growth potential, while maintaining appropriate scale and contextual relationships.

2017 – 2022: Campus Development

Since the 2017 Facilities Master Plan update, projects have been completed or are in design/construction to support campus growth and the University. New and renovated academic, research, housing, dining, and athletic projects on campus have been constructed to address campus deficiencies. The ongoing Purple Line and the State Highway Administration Baltimore Avenue improvements will better connect the campus to the surrounding communities and provide a vibrant corridor that integrates the campus with the surrounding community. The Discover District, UMD's research park, is home to university stakeholders, corporate partners, government researchers, and entrepreneurs, continues to transform the Greater College Park region. Provided to the right are highlights of the main campus development::

Development Highlights (2017-2022)

A. James Clark Hall (2017)

Dorchester Hall Renovation (2018)

Brendan Iribe Center (2019)

Johnson-Whittle Hall (2021)

E.A. Fernandez IDEA Factory (2022)

CAMPUS CONDITIONS

The campus conditions analysis evaluates the quality of buildings and exterior spaces throughout the campus, encompassing land assets, campus building and academic support spaces, and campus open space areas and circulation. Findings from this analysis are then combined with the results of the campus needs assessment and input from engagement activities in order to achieve two objectives:

- Identify areas that need improvement or redevelopment
- Inform the draft guiding principles and initial planning concepts in Phase 2

Key findings on the following topics include:

Buildings

- **Physical/Function Condition**: A number of buildings may not support today's research and learning standards due to physical and functional shortfalls.
- **Renovation/Redevelopment**: Select buildings may not best-serve the university's academic mission may be designated as candidates for potential renovation or redevelopment.
- **Infill Focus**: New construction could focus on infill within the campus core with proximity to Purple Line stops.

Land Assets

- **Land Asset Deficiencies**: Several districts have deficient amounts of accessible open spaces, including rec fields, malls, quads, and courtyards.
- **Physical Constraints**: There are limited land resources for infill and development.
- **Infill Opportunities**: Other land assets may be considered underutilized, such as the area directly west of McKeldin Library, and may be potentially suited for infill development or open space enhancements.
- **Legacy Sites**: McKeldin Mall, Chapel Lawn, and Hornbake Plaza represent spaces that support UMD's identity and may be candidates for preservation and/or enhancements.

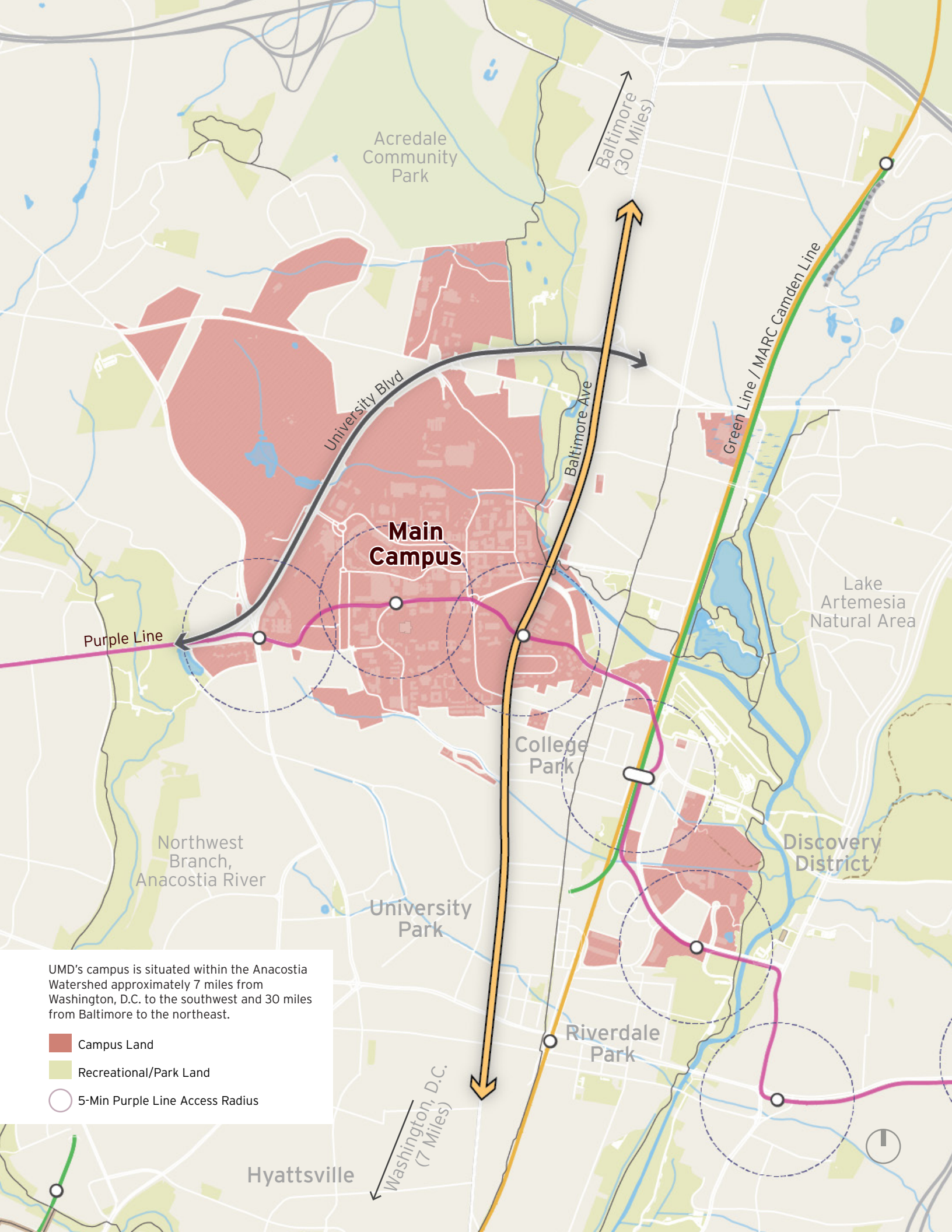
Mobility

- **Purple Line**: The Purple Line should be leveraged as an opportunity to link the campus better, not further divide it, particularly in the campus core.
- **Congestion**: Deemphasize vehicles on campus and emphasize pedestrian/wheeled mobility.
- **Town-Gown/Regional Connectivity**: Expand multi-modal connectivity of pedestrian, wheeled, and bike networks throughout campus, to recently-completed improvements on Baltimore Ave, Downtown College Park, and greater trail networks.

Strategic Development

- **Town-Gown**: The construction of the Purple Line supports opportunities for transit-oriented development (TOD) around the five campus stops to the east and west of the campus core.
- **Discovery District:** Connecting the Discovery District physically and academically to the rest of campus furthers the university's evolution as a center for multidisciplinary and innovative research.

Results of the campus conditions analysis are highlighted in the Campus Facilities Plan recommendations section and detailed in the full report.


Acredale Community Park
Baltimore (30 Miles)
University Blvd
Baltimore Ave
Green Line / MARC Camden Line
Main Campus
Purple Line
Lake Artemesia Natural Area
College Park
Northwest Branch, Anacostia River
University Park
Discovery District
Riverdale Park
Washington, D.C. (7 Miles)
Hyattsville
UMD's campus is situated within the Anacostia Watershed approximately 7 miles from Washington, D.C. to the southwest and 30 miles from Baltimore to the northeast.
Campus Land
Recreational/Park Land
5-Min Purple Line Access Radius

PROGRAM ASSESSMENT

A space needs assessment was conducted to inform existing potential deficiencies, anticipated near-term (10 years) allowances, and long-term (10+ years) planning scenarios. "Needs" vary in scale/type, and can be summarized into the following categories:

- **Physical space allowances**: Academic and research, administrative and support, Intercollegiate Athletics (ICA), and Division of Student Affairs (DSA)
- **Additional campus needs**: Mobility, land assets, and infrastructure

Physical space needs were examined in two ways:

- **10-Year Plan**: Focused on addressing current deficiencies
- **Planning Scenario**: Focused on proactive planning to reflect evolving changes to enrollment, teaching, research, and student support-related practices

The space needs assessment process was based on the University System of Maryland and Department of Budget Management guidelines, peer institution benchmarking, and input from campus stakeholders. In addition, the program summary incorporated analysis from previous planning studies and divisional strategic planning efforts. The results of the space needs assessment are illustrated in the chart below.

Category	Current Conditions (2022)		Planning Scenario
Student Headcount	40,800		44,500
Student FTDE	28,300		31,000
FTE Faculty/Staff	9,500		10,500
Space (NASF)		**Current Deficit**	
Academic/Research/Academic Support	4.6M	1.1M	6.2M
ICA	780K	N/A	860K
Auxiliary (excludes Res)	600	110K	900K
Beds (CNT)	12,550		14,250
Sports Fields	5		9
Parking	17K (Supply);15K (Demand)		17K (Supply); 14K-16K (Demand)
Purple Line Ridership	0		2.7k

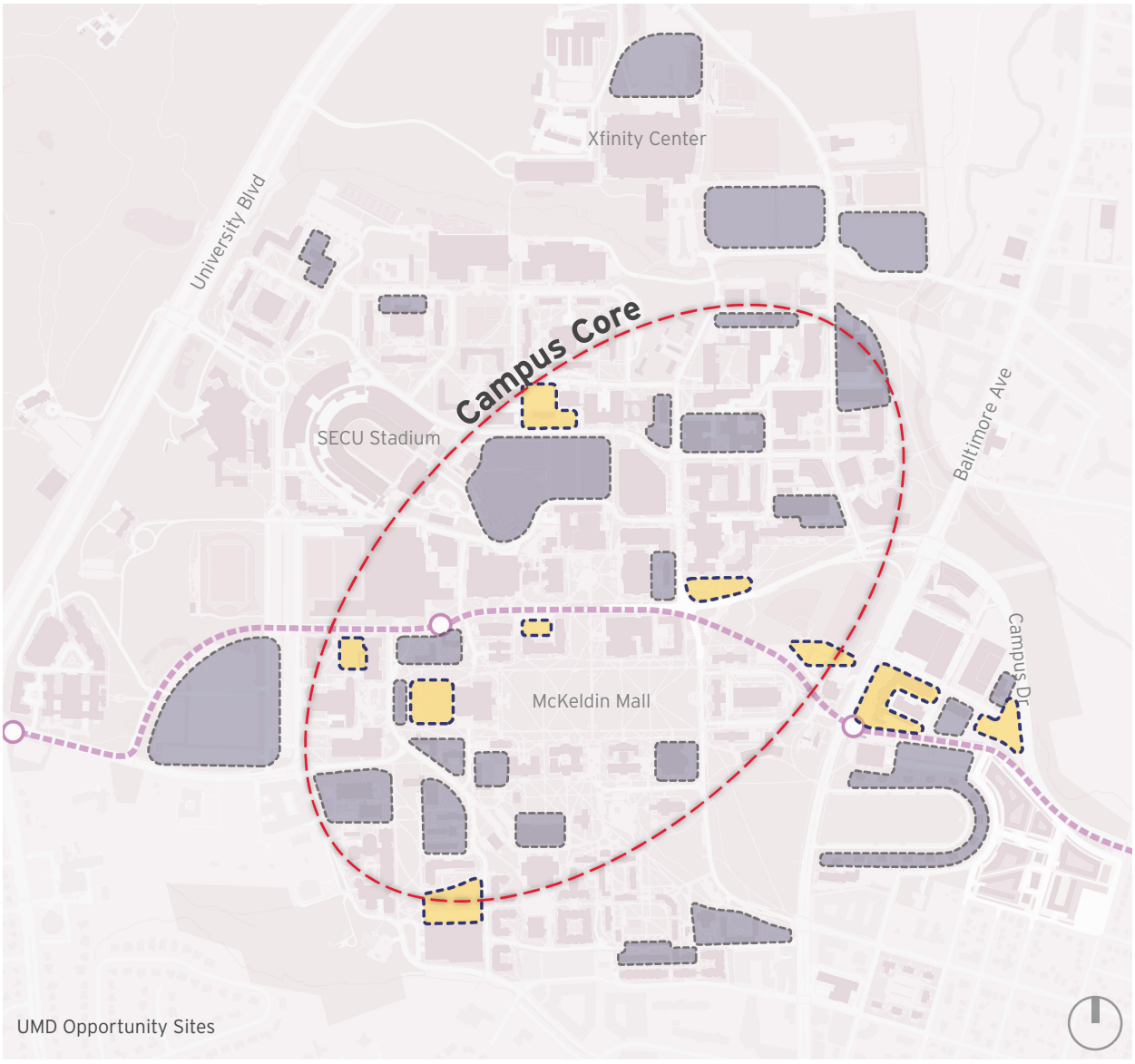
Source: University of Maryland Space Needs Assessment

OPPORTUNITY SITES

With growth of over 1.4 million gross square feet (GSF) in the last ten years (excluding housing), mainly on surface parking lots and previously undeveloped areas, the university's ability to readily develop land with new buildings is quickly diminishing. To accommodate long-term growth on the main campus, UMD must critically assess opportunities to replace existing buildings with significant maintenance issues or poor programmatic fit to function.

Readily Developable: Sites with no existing construction and/or vacant/to-be-demolished buildings

Additional Opportunities: Sites with poor condition ratings and existing use that could be re-accommodated elsewhere



UMD Opportunity Sites

THE CAMPUS FACILITIES PLAN

The following Campus Facilities Plan strategies are the result of concepts developed throughout the planning process.

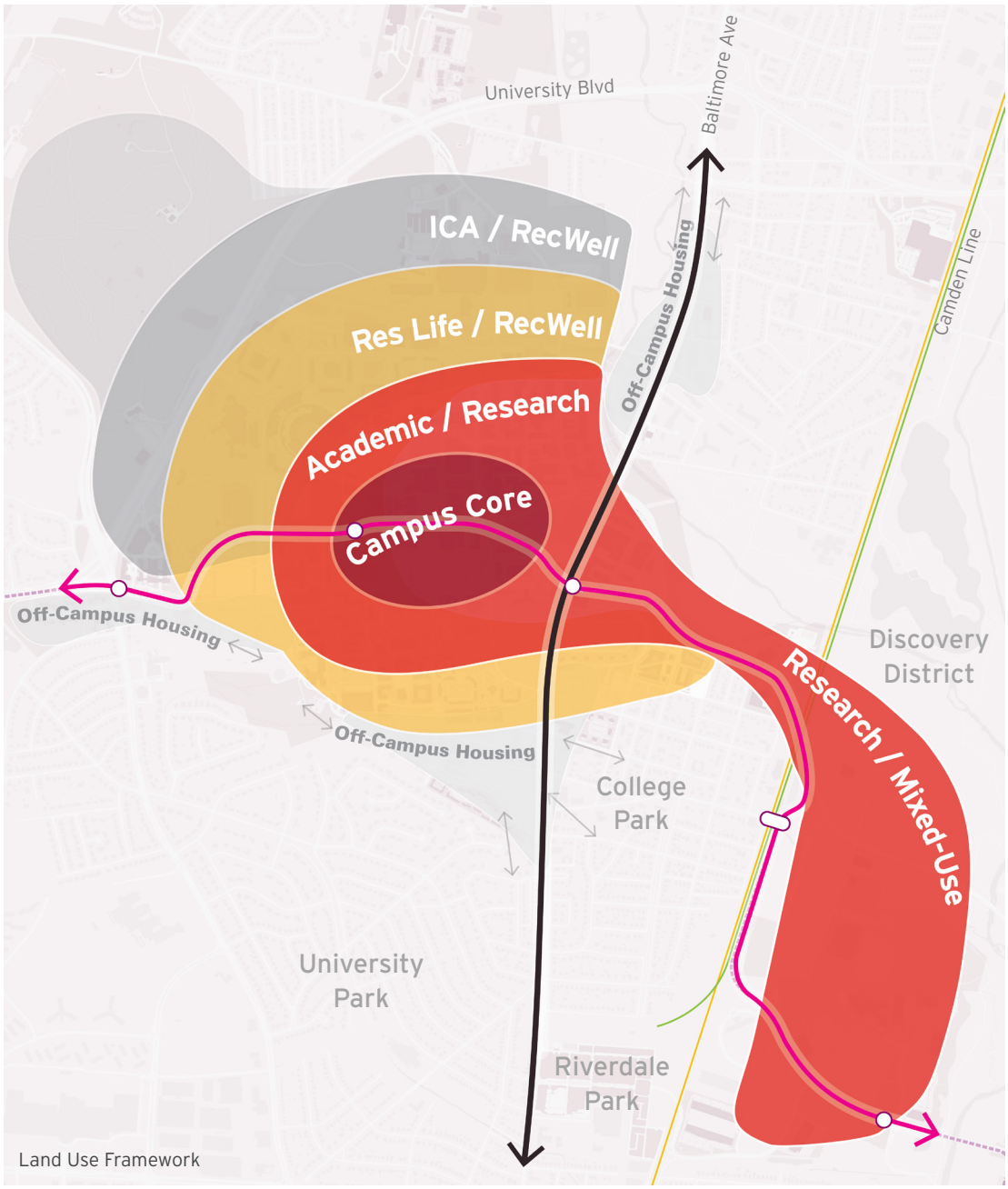
These strategies satisfy needs identified in the campus conditions analysis, outreach and engagement process, and the space needs assessment. The strategies are categorized under the four guiding principles that incorporate the university's strategic plan, current and projected campus needs, and broader state-wide initiatives, including *Plan Maryland* and the *Climate Solutions Now* Act.

Guiding principles

LAND USE FRAMEWORK

The Campus Facilities Plan framework approach reinstitutes a hierarchy of uses by prioritizing the campus core for academics and research uses. The core would be bounded by lower-intensity uses and more land-consumptive uses, such as sports venues, recreational fields, and large parking areas.

The academic and research uses extend east toward the Discovery District and further strengthen the relationship between the university and the City of College Park with a rich mix of uses that benefit both UMD and promote economic development for the greater College Park community.

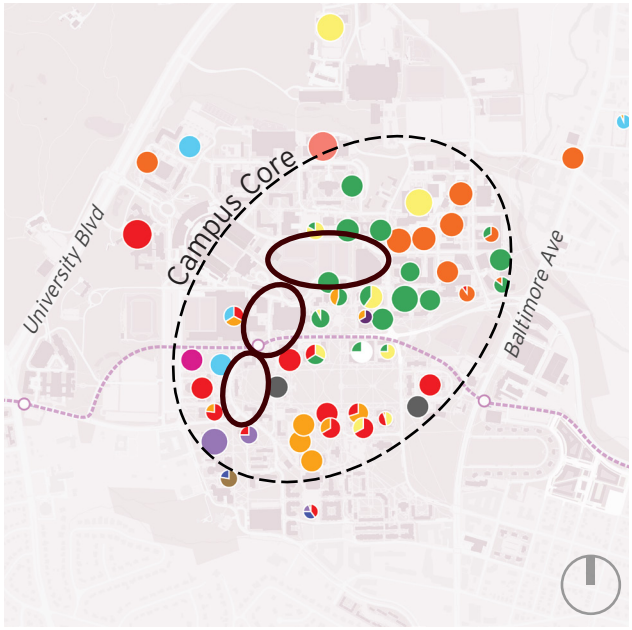


Land Use Framework

HIGH-IMPACT CAMPUS ENVIRONMENTS

Supporting the continued development of high-impact campus environments requires a higher level of clarity around the organization of campus uses. The university's desire to have innovative and cross-cutting academic and research programs suggests the prioritization of a compact and dynamic academic core, where physical adjacencies spur collaboration and innovative partnerships. To achieve that goal, some "gaps" in the current academic core should be bridged over time with future academic uses, and non-academic uses should be relocated to adjacent areas and supporting spaces. Student residential communities thrive with a rich collection of amenities and access to health and wellness resources, which suggests that the perimeter residential community model should be strengthened and expanded.

Additionally, Intercollegiate Athletics seeks to shift to an "athletics village" model where facilities can be co-located to the northeast and west areas of campus, taking advantage of shared-use facilities and ease of access for large events.



An analysis of existing academic units scaled by the amount of space highlights "gaps" in the academic core that can be filled over time with strategic redevelopment opportunities.

KEY PROJECTS AND INITIATIVES

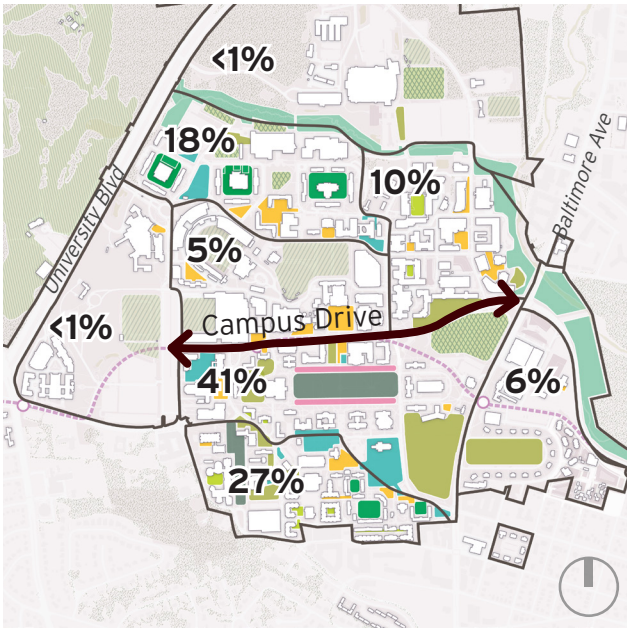
- **Strengthen the Academic Core**: Promote higher-density infill development and redevelopment within the campus core.
- **Renew North and South Student Life Villages**: Revitalize Resident Life communities to the north and south with new and updated residential, dining, and RecWell facilities.
- **Develop Terrapin Athletics Districts**: Focus RecWell and Intercollegiate Athletics facilities to the campus perimeter.
- **Activate the Discovery District Innovation Corridor**: Activate this corridor with mixed-use development that supports growing the university research enterprise and strategic partnerships.
- **Bolster Student Support Spaces in the Campus Core**: Renovate and expand Stamp Student Union, the Health Center, and McKeldin to support the student experience.
- **Expand Programming at the UMD Golf Course**: Consider long-term needs to incorporate potential student and athletics-focused uses along the University Boulevard frontage.

Above: Looking from the terrace of a new building on the west of McKeldin Library over a new plaza and western library entrance, with Terrapin Way connecting the plaza to Campus Drive and the Stamp Student Union in the distance.

HOLISTIC PLACEMAKING

The campus landscape and setting play a critical role in improving the campus ecosystem, fostering community, connecting to adjacent communities, and reflecting campus heritage – but as the campus exists today, the landscape quality and quantity vary greatly across campus. As the campus developed rapidly after WWII, the traditional pattern of buildings surrounding quads, malls, and courtyards gave way to more sprawling and urban districts north of Campus Drive.

The analysis of usable open spaces (including open lawns, recreational fields used for informal gatherings, formal open spaces, plazas, and courtyards) shown below illustrates the relative lack of usable open space north of Campus Drive. It highlights the need to balance the mix of land uses in those areas to provide a campus setting with more community and environmentally-focused landscape spaces. These needs were further reinforced by heat mapping of the Washington, D.C. metro region, highlighting increased heat levels in areas on and around campus, where development is significantly more dense than surrounding areas. Additionally, expanding the existing open space network will play a critical role in addressing severe flooding and make vital connections to the larger environmental network, which extends into College Park and beyond.

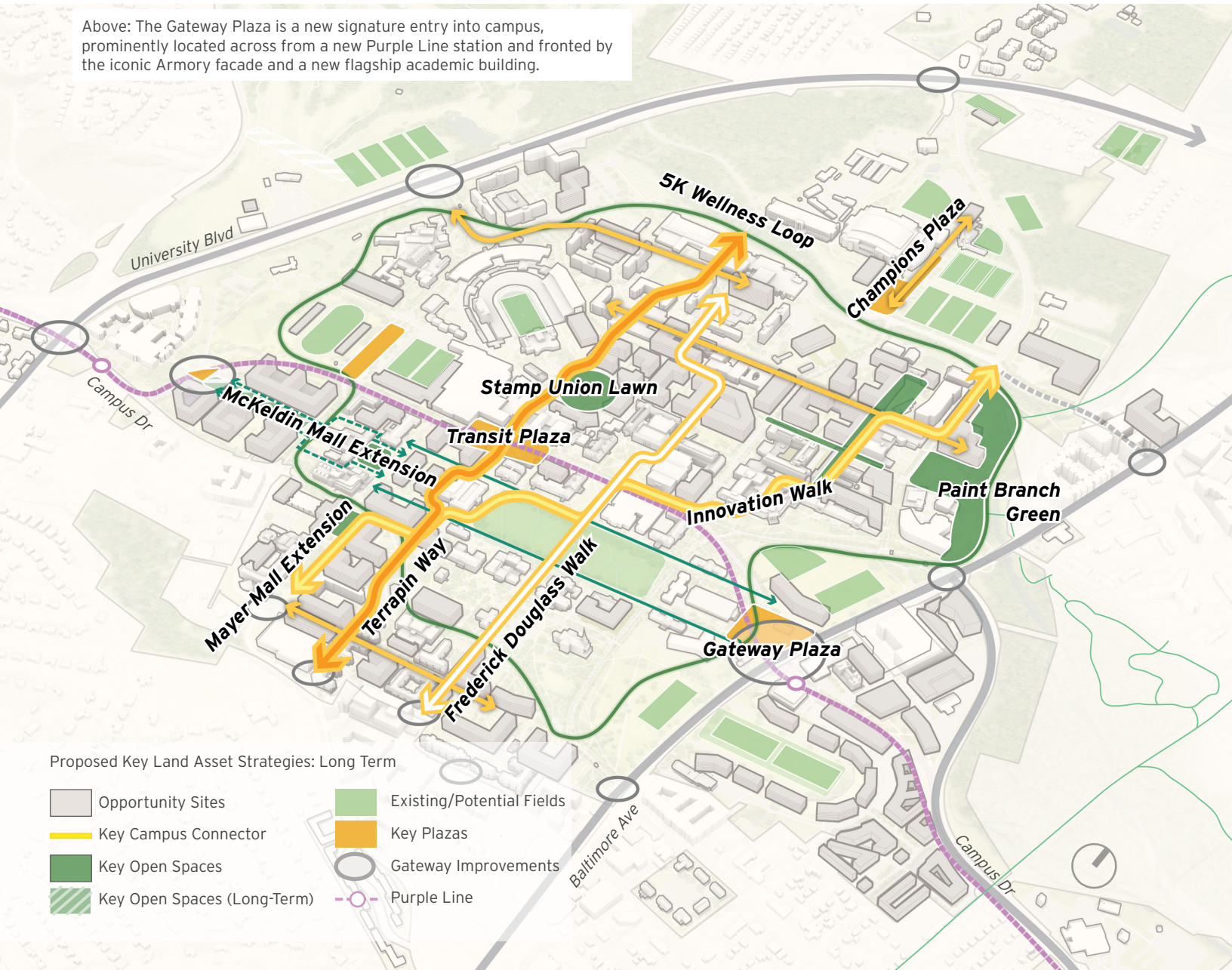


A comparison of usable open spaces across campus illustrates a disparity between the relative proportion of open space in each campus district. The area north of Campus Drive falls short of the target 25-50% ratio that exists south of Campus Drive.

KEY PROJECTS AND INITIATIVES

- **Extend McKeldin:** Extend the presence and pathway from McKeldin Mall to the west into Lot 1 and to the east into a new Armory Plaza, both of which serve as entries and arrival points to the campus.
- **Develop a Grand Armory Gateway:** Establish a new gateway plaza at the foot of the iconic Armory Building that greets visitors from the new Purple Line station across Baltimore Avenue.
- **Create a New Stamp Union Lawn:** Relocate Shipley Field and create new open space that allows for students and events to flow out from the Union into the adjacent lawn space.
- **Better Integrate the Paint Branch Creek**: Develop a new signature open space extending from Paint Branch Creek that provides critically needed outdoor gathering space in the northeast area of campus, mitigates the areas flood risk and reduces the district's heat island effect with resilient planting and landscape design.
- **Complete Development of Mayer Mall**: Use redevelopment and infill to fulfill the original vision of Mayer Mall as a dense and active node at the southwest end of the campus academic spine.
- **Develop a Central Campus Hub**: Create a new transit plaza that boldly welcomes visitors to campus with an iconic new space that unites the street with adjacent frontages of Cole Fieldhouse, Stamp Student Union and a new academic building.
- **Create a Champions Plaza:** A signature new plaza space that anchors the future northwest athletics village and provides space for gameday events and programming.

Above: The Gateway Plaza is a new signature entry into campus, prominently located across from a new Purple Line station and fronted by the iconic Armory facade and a new flagship academic building.



PEOPLE-FIRST MOBILITY

The campus's size and urban context, transit access, and largely orthogonal organization of buildings presents tremendous opportunities to enhance the existing circulation system to promote a people-first approach to mobility. Major campus streets can be reimagined as generously landscaped, multimodal corridors that bind the campus core and safely provide access from conveniently-located parking areas. New campus-wide pathways can resolve existing north-south circulation constraints and provide safe access to the campus core for bikes and scooters.

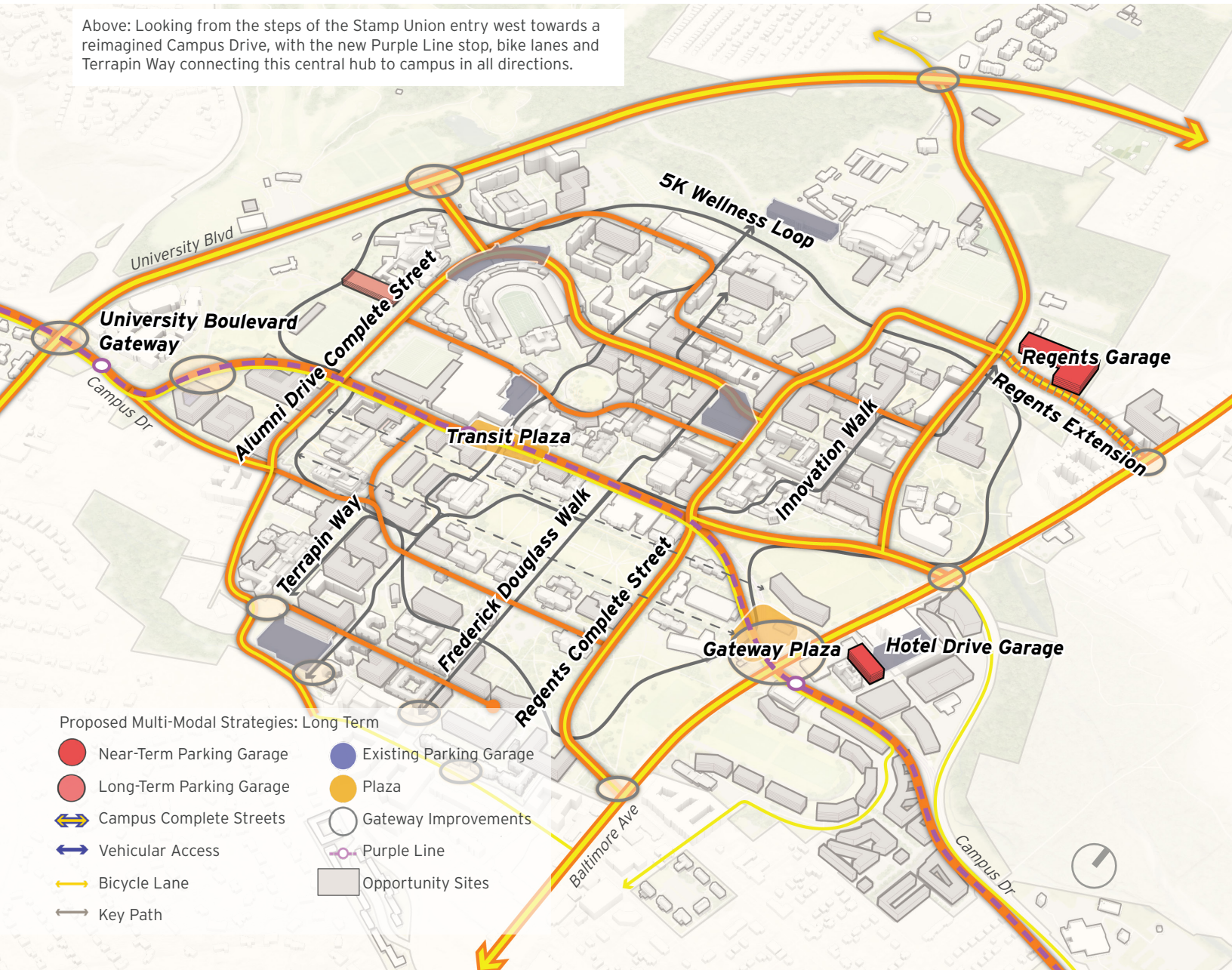
A hierarchy of streets and pathways will be connected to the university's existing and new transit gateways, providing ease of travel and effective last-mile solutions. Lastly, new and renewed campus entries along the perimeter will be part of a more natural and intuitive wayfinding and arrival experience that directs users more efficiently to their final destination and reduces congestion in the campus core.

An analysis of pedestrian and bike movement across campus (scaled by volume. Ped: Bold blue = >285 daily trips, thin blue = 100-285 daily trips, Bike: Bold Green = >55-100 daily trips, thin green = 25-55 daily trips) highlights both the fragmented campus circulation network and the volume of pedestrian activity into campus from multiple southern entries

KEY PROJECTS AND INITIATIVES

- **Develop a Wellness Loop:** A unique 5K multi-purpose loop that connects the campus core with perimeter natural areas and pathways to regional amenities.
- **Create Signature Campus Walks:**
  - **Terrapin Way:** Develop a new signature north-south at-grade/fully-accessible connector, Terrapin Way, that connects pedestrians and wheeled vehicles from student communities to the academic core.
  - Develop a new, branded **Innovation Walk** to showcase special initiatives along the primary pedestrian route that connects the academic core from the southwest to northeast areas of campus.
  - Define a new **Frederick Douglass Walk**, a secondary north-south walk that further connects southern and northern residential communities to the campus core along a fully accessible and bike-friendly pathway.
- **Streets for All**: "Complete Street" improvements that improve safety and the overall experience of campus circulation while providing for efficient sharing of roadways space between pedestrians, bikes /scooters, vehicles and landscape areas.
- **Strengthen Campus Gateways**: New and renewed campus entries that clearly reflect the identity of the university and initiate the wayfinding process for campus visitors.
- **Optimize Parking**: Maintain available parking, including preserving accessible and service vehicle-focused parking within the campus core, while consolidating large parking areas to the campus perimeter and connecting visitors to their final destinations with more pleasant and enjoyable pathways and last-mile solutions.

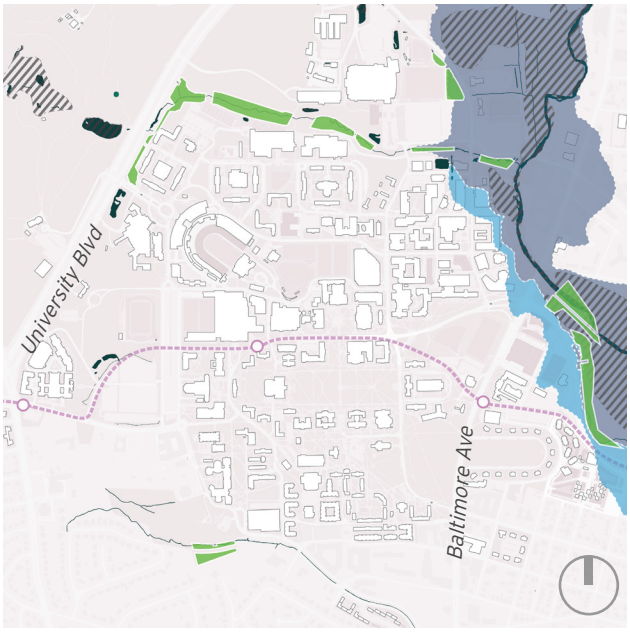
Above: Looking from the steps of the Stamp Union entry west towards a reimagined Campus Drive, with the new Purple Line stop, bike lanes and Terrapin Way connecting this central hub to campus in all directions.



SUSTAINABLE STEWARDSHIP AND INVESTMENT

UMD has established bold and visionary goals for bolstering sustainability and responsible land stewardship on campus and throughout the state. The resulting strategies for campus support a clear path toward carbon neutrality and the highest level of environmental stewardship.

Among the strategies represented in the plan are shifting away from the aging central steam system to more efficient "energy districts," continued and targeted building upgrades, significant increases to the university's electrical vehicle fleet, and innovative landscape and stormwater infrastructure improvements to minimize the impacts of flooding events.



The illustration above highlights sensitive areas of campus given the location along the Anacostia Watershed,, including easements (green), wetlands (hatch), and both 100 and 500-year floodplains (highlighted in light/dark blue)

KEY PROJECTS AND INITIATIVES

- **Establish Sustainable Energy Districts**
  - Transition from a centrally focused and steam-based energy network to a distributed low-temperature hot water-based district system to support the university's future energy program. This program will replace, renew and modernize the campus energy system to meet its future sustainability goals – including decarbonization of the campus energy system by 2035.
- **Integrated and Innovative Stormwater Solutions**
  - Reduce environmental impacts of heavy rain events by employing low-impact development strategies and Environmental Site Design (ESD) elements in lower-density campus areas and robust stormwater facilities, such as underground detention, rain gardens, and green roofs in higher-density areas.
  - Limit on-campus development in flood-prone areas and take proactive measures to address the impact of campus development on off-campus areas.
- **21st-Century Campus Facilities and Infrastructure**
  - Align university development practices with statewide policies from the new Climate Solutions Now Act and other climate-related plans and programs.
  - Ensure that building construction and renovation standards are supportive of the state of Maryland's Green Building Program.
  - Prioritize the renewal of buildings that have high functional value and fit for future programs.
  - Target the redevelopment of aging buildings with low functional adequacy and performance.
  - Pair roadway and open space improvements with upgrades to underground utility corridors.
  - Assess electrical capacity to support further electrification of campus buildings, vehicles, and infrastructure.

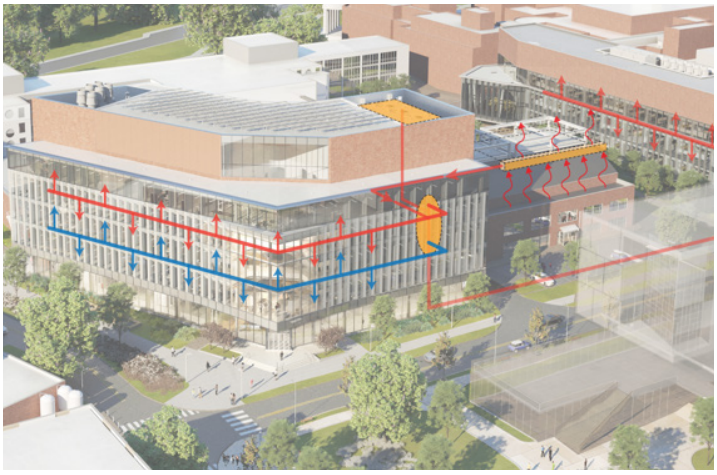
Above: Looking west at the E.A. Fernandez IDEA Factory and Jeong H. Kim Building at the Paint Branch Green, a new resilient and multi-purpose open space lined with science and technology programs that can use the area to showcase academic innovations and engage in outdoor learning, as envisioned in this view of an engineering student demonstration fair.

Below: Four sustainable strategies being pioneered on the UMD campus that can serve as models for future development.

Rainwater Harvesting (Example: Physical Sciences Complex Green Roof)

Integration of AgroEcology Corridor Strategies

Use of Photovoltaics (Example: Regents Garage PV Panels)



Zupnik Hall Measures to Achieve Net Carbon Zero Operations

SUMMARY OF CAMPUS FACILITIES PLAN FRAMEWORK

The campus framework accommodates up to 3.9M GSF of net-new construction of Academic, Research, Auxiliary, and ICA (not including housing, parking, and public-private partnership development). Key campus framework strategies and organizing elements align with the key recommendations illustrated under the guiding principles, and they include:

Strengthening the Academic Core
Foster collaborative and adaptable academic and research facilities to support cutting-edge innovation and partnerships across the campus core.

Placing Research at the Forefront
Showcase high-impact research and elevate the visibility and accessibility of the research enterprise.

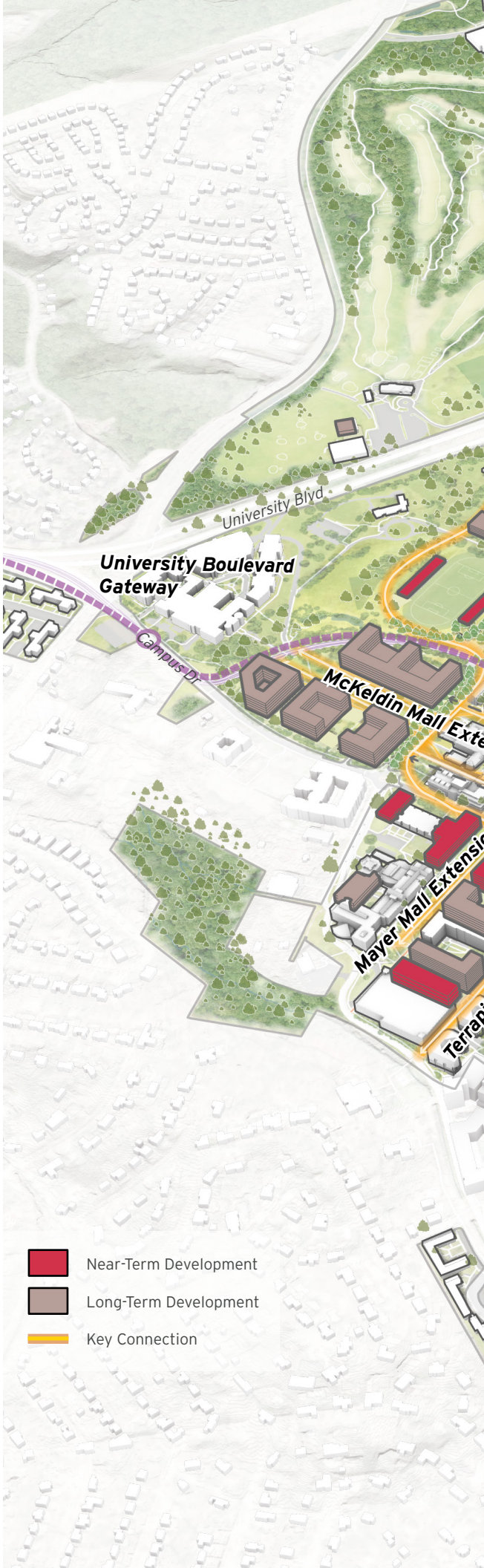
Investing in Sustainable Infrastructure
Advance UMD's sustainability goals through comprehensive modernizations of campus infrastructure paired with compact development and multi-modal improvements.

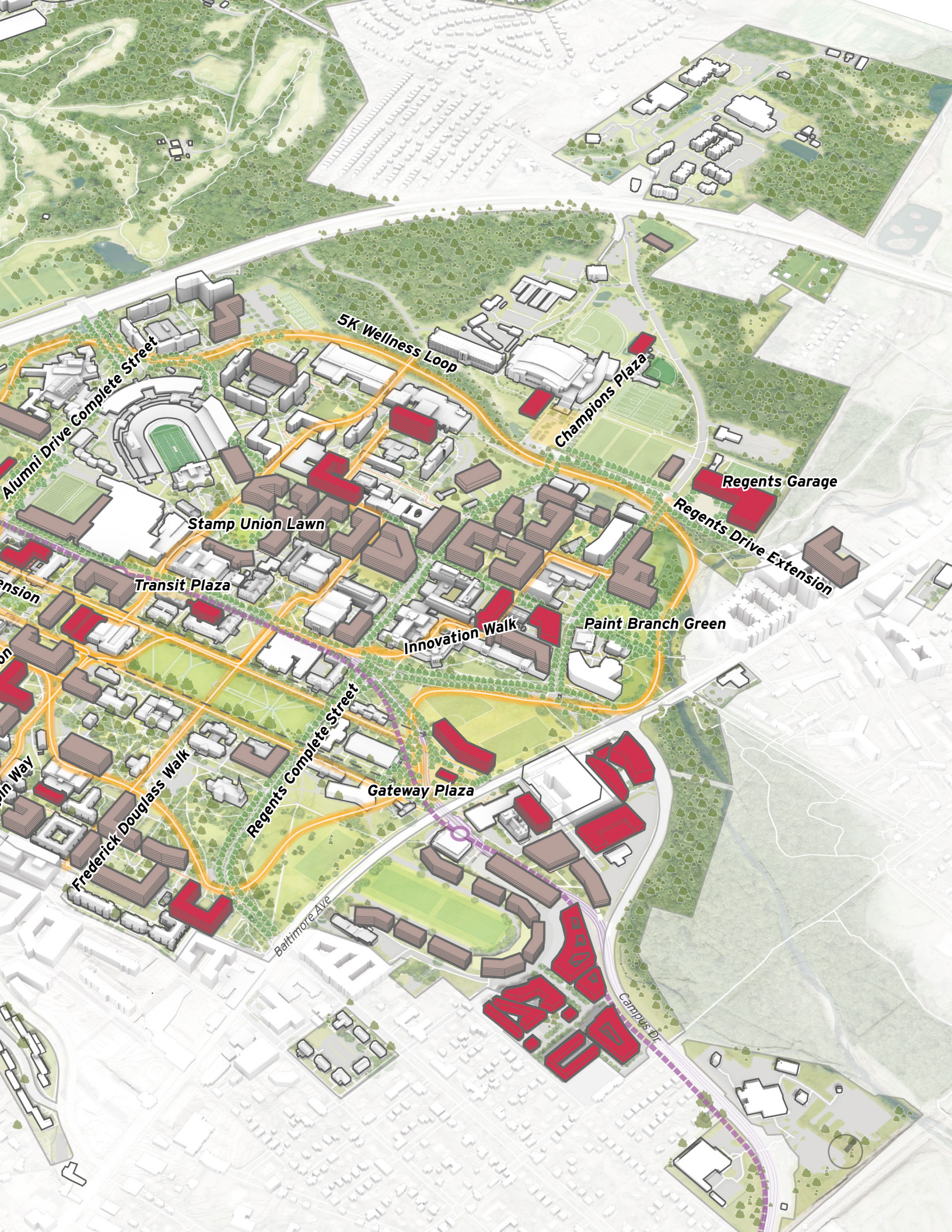
Capitalizing on Transit Opportunities
Promote an accessible and compact transit-oriented campus experience through strategic infill development along the Purple Line

Promoting Health and Wellness
Create new and iconic campus-wide connections and spaces that integrate wellness across the campus.

Supporting Building Champions
Improve and expand Intercollegiate Athletics facilities to advance Big Ten goals and support the Terps continued success.

Enriching the Campus Experience
Create nurturing and engaging environments for a wide range of student services, including updated residence halls, health and wellness facilities, dining services, and recreation facilities.



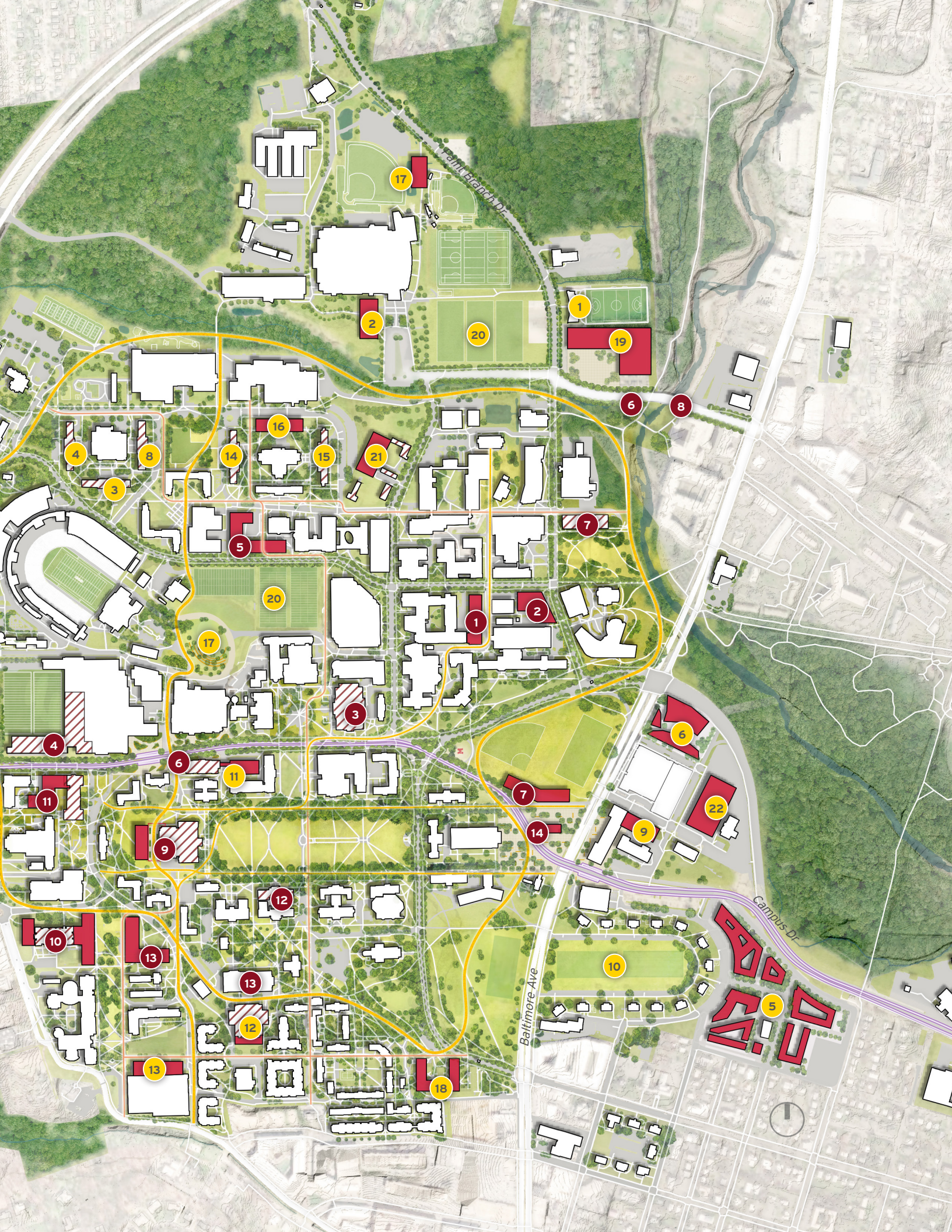

5K Wellness Loop
Champions Plaza
Alumni Drive Complete Street
Regents Garage
Regents Drive Extension
Stamp Union Lawn
Transit Plaza
Innovation Walk
Paint Branch Green
Regents Complete Street
Frederick Douglass Walk
Gateway Plaza
Baltimore Ave
Campus Dr

NEAR-TERM (10-YEAR) PLAN

The Near-Term Plan and projects (highlighted below) are guided by the land use framework and reflects State- and System-Funded 10-year projects. While projects are subject to change, the Near-Term Plan represents a preferred strategy for physical campus organization and reflects 1.2M GSF in net-new development (not including housing, public-private partnerships, or parking).

State-Supported 10-Year Projects	
1	Chemistry Building Wing 1
2	Stanley R. Zupnik Hall
3	College of Information Studies Renovation
4	Health & Human Sciences Building
5	Earth & Climate Science Building
6	Campus Site & Safety Project
7	AI & Machine Learning Building / A.V. Williams & Armory Plaza
8	Regents Drive Extension
9	McKeldin Library Addition & Renovation
10	Architecture Building Addition & Renovation
11	Benjamin Building Addition & Renovation
12	Francis Scott Key Hall Renovation
13	New BSOS Building & LeFrak Demolition
14	Turner Hall Renovation

System-Funded 10-Year Projects	
1	Field Hockey Renovation & Addition
2	Basketball Performance Center
3	Ellicott Hall Renovation
4	Hagerstown Hall Renovation
5	Leonardtown Graduate Housing (Public-Private Partnership)
6	Discovery Point (Public-Private Partnership)
7	Soccer Field & Track Renovation
8	LaPlata Hall Renovation
9	Hotel Drive Parking Garage
10	Construct 2 New Recreation Fields
11	Health Center Addition & Renovation
12	South Campus Dining Hall Renovation
13	South Campus Recreation Center
14	Cumberland Hall Renovation
15	Centreville Hall Renovation
16	Bel Air & Chestertown Demolition & New Housing
17	New Baseball Stadium / Development Center & Union Lawn
18	Montgomery Hall Demolition & New Housing
19	Paint Branch Garage & Mobility Hub
20	Relocate Athletic Practice Fields (3)
21	Campus Farm Improvements
22	Parcel C Mixed-Use (Public-Private Partnership)


Paint Branch Dr
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UNIVERSITY OF MARYLAND CAMPUS FACILITIES PLAN


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ACKNOWLEDGMENTS

Steering Committee
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Ken Ulman, Chief Strategy Officer for Economic Development, Terrapin Development

Ellen D. Williams, Past Chair, The University Senate, Distinguished University Professor and Director, University of Maryland

Kenneth Young, City Manager, City of College Park

Planning Team
The planning team was led by **Cooper Robertson** working with University of Maryland Facilities Planning Department alongside expert consultants:

Ballinger, Energy Engineering & Architecture
Delon Hampton, Environmental Engineering
Kimley-Horn, Civil Engineering & Transportation Planning
Moody Nolan, Athletic & Recreation Planning
Reed Hilderbrand, Landscape Architecture
Rickes Associates, Academic Planning
Toscano Clements Taylor, Cost Estimating
TwoTwelve, Wayfinding Design

Looking west along a new roadway entrance into campus from Baltimore Avenue into the Paint Branch Athletics District. This new campus gateway crosses Paint Branch creek with a new bridge, flanked by native landscapes, leading visitors to the Xfinity Center and other Terp athletic venues.


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