



# Planning *for* Possibilities

**DRAFT FOR REVIEW**

DARTMOUTH








**For 250 years, Dartmouth has been a destination for scholarly pursuits in a place of profound beauty.**

To advance this legacy, we must meet the evolving challenges of our time, from health crises and climate change, to new and emerging pedagogies and technological advancements in mobility, to growth and inclusion of diverse perspectives and identities within our communities. At the same time, we must do so cognizant of the institution's fiscal responsibility.

Given Dartmouth's distinctive strengths as a renowned liberal arts college and a robust research university, as well as the significant role our institution plays in the region, we can and must do more than just meet these challenges; we must be a leader in taking them on, both for our campus and for the broader community in the Upper Valley and beyond.

*Planning for Possibilities: A Strategic Campus Framework* is a flexible tool for meeting the challenges of today and tomorrow, both thoughtfully and strategically. This culmination of a year and a half-long planning effort, reaching over 2,500 members of our community, started as an exercise in asking ourselves tough questions about who we are, who we want to be, and how we can meet those goals. A guide for our physical campus on a 30-year horizon, the framework is a living document that arms us with a coordinated menu of short and long-term options that will allow us to best meet our evolving needs over time.

A strong and connected campus that supports our diverse community and is financially sustainable is a key foundation for ensuring the Dartmouth legacy continues for generations to come. I hope you will spend time with this vision of how we achieve that goal.



**Phil J. Hanlon, '77**

President of Dartmouth College

“

***We must always remember that Dartmouth as an institution is a work in progress and that our story is still being written.***

# Introduction

For 250 years, the Dartmouth campus has been both a symbol of the institution's ideals as well as the physical environment that supports Dartmouth's mission and its community.

*Dartmouth  
is the steward of  
**30,000+ acres**  
of campus and natural  
resource land throughout  
NH, including the 269-acre  
Hanover campus woven  
into the fabric of  
the town.*





## Planning for Possibilities is a flexible road map and toolbox to guide decision-making about Dartmouth's campus and lands in a coordinated, adaptable, and resilient way.

With a 30-year horizon, this framework plan will inform short- and long-term actions and policies in order to best advance Dartmouth's mission and support the community through both anticipated and unforeseen challenges.

### The four goals of Planning for Possibilities:

#### Engage

the campus community in a **dialogue-rich** process

#### Develop

a **common language** with which to discuss opportunities

#### Create

a **catalog of options** to address current and future needs

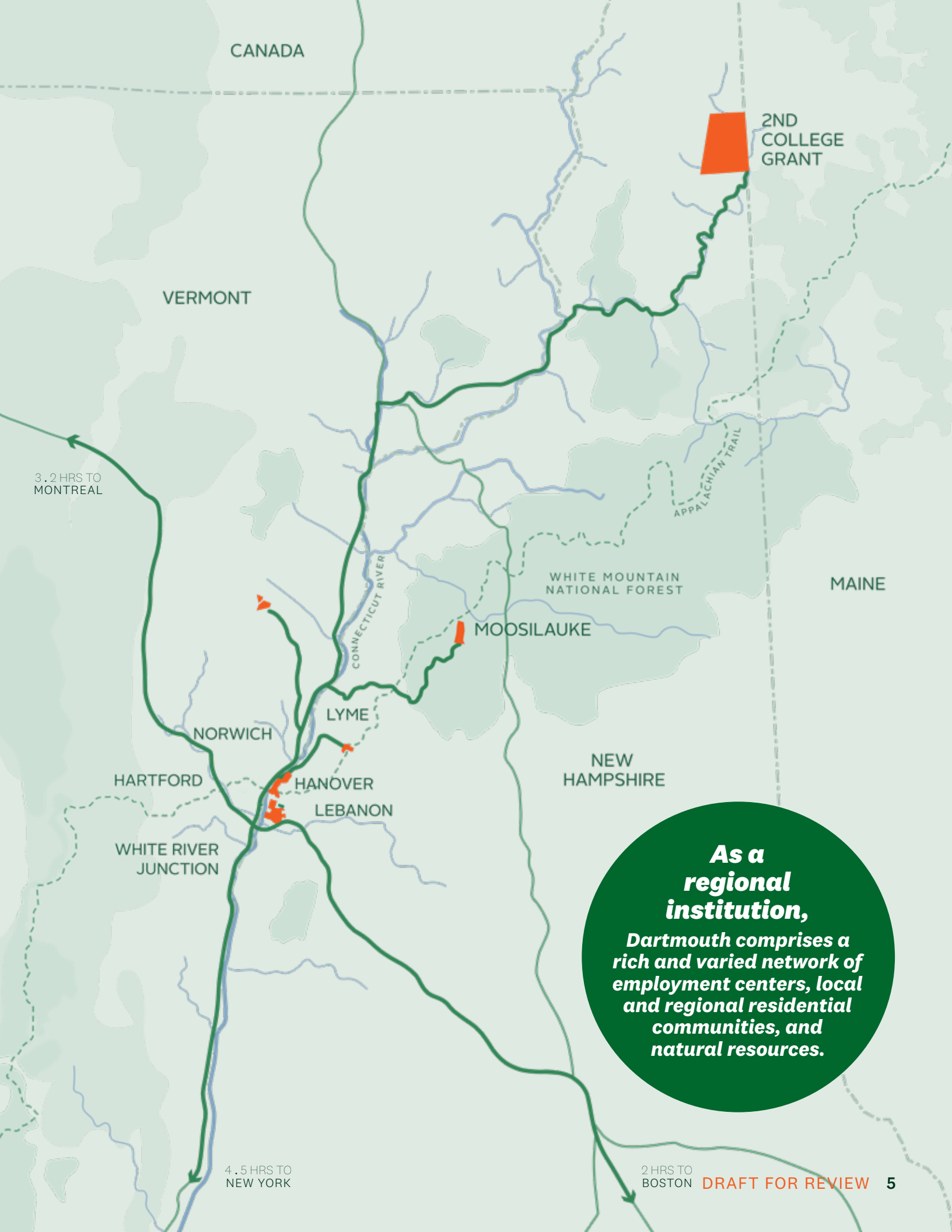
#### Provide

a **flexible framework** to evaluate options and align short- and long-term physical planning

Planning for Possibilities is a starting point for ongoing dialogue and decision-making. The process has put in motion inclusive engagement and discovery complemented by assessments and evaluations that led to a foundational conceptual framework and technical supporting recommendations, all grounded in Dartmouth's core values.

This booklet presents a summary of the planning outcomes, organized into two parts: the “**Enduring Framework**” provides a long-term scaffolding to underpin preservation of and improvements to the campus and lands; and the “**Catalog of Options**” provides a set of opportunities to be further explored as needs arise.





CANADA

VERMONT

2ND  
COLLEGE  
GRANT

3.2 HRS TO  
MONTREAL

CONNECTICUT RIVER

WHITE MOUNTAIN  
NATIONAL FOREST

MAINE

MOOSILAUKE

LYME

NEW  
HAMPSHIRE

HARTFORD

HANOVER

LEBANON

WHITE RIVER  
JUNCTION

NORWICH

**As a  
regional  
institution,**

***Dartmouth comprises a  
rich and varied network of  
employment centers, local  
and regional residential  
communities, and  
natural resources.***

4.5 HRS TO  
NEW YORK

2 HRS TO  
BOSTON

DRAFT FOR REVIEW 5

# Planning Principles

**2,500+**  
members of  
the Dartmouth  
community have  
been engaged  
to date.

**8 Planning Principles, shown at right, were developed through the year-long engagement process and guided the planning and final recommendations.**

The engagement process included people from across the Dartmouth and regional communities in an open and inclusive dialogue. Engagement will advance through on-line and in-person means to foster a continued conversation with the campus, Hanover, and Upper Valley communities.





## Support

the **academic & research** mission and Dartmouth's **core values**

## Optimize

the **cost efficiency** and **utilization** of buildings and spaces

## Maximize

flexibility for **21st-century paradigms** of teaching, learning, and research

## Promote

**well-being** and an **inclusive** and **equitable** environment

## Preserve

Dartmouth's campus **character** and activate campus **landscapes**

## Advance

Dartmouth's commitment to a **sustainable** and **resilient** future

## Leverage

Dartmouth's presence to reinforce a **vibrant Downtown**

## Embrace

Dartmouth's **multi-centered** regional presence



**Over its 250-year history, Dartmouth has weathered a number of world-changing events, including wars, the great depression, and the 1918 flu.**

Historically, in order to respond to the emergence of new or growing programs and fields of study, Dartmouth created new campus nodes while reinforcing existing ones. Tuck, Thayer, and Geisel have all relocated over time, creating opportunities to adaptively reuse older buildings and thereby unlocking flexibility

for the future while being resourceful and strategic.

The known challenges of our time include climate change, potential population and demographic changes, technological transformations, and a range of issues affecting public health.

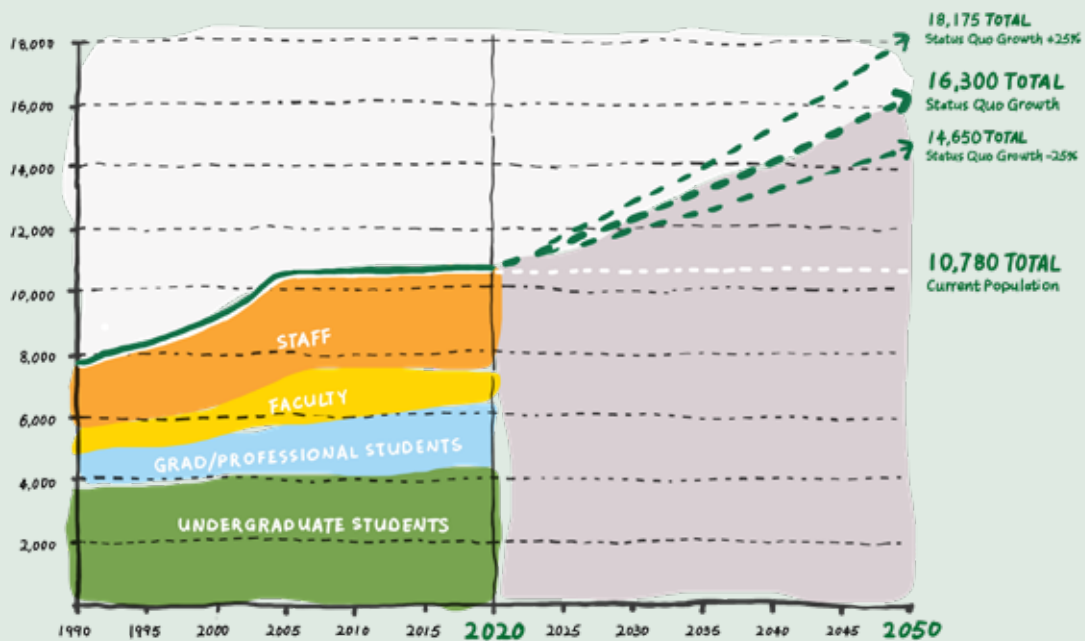
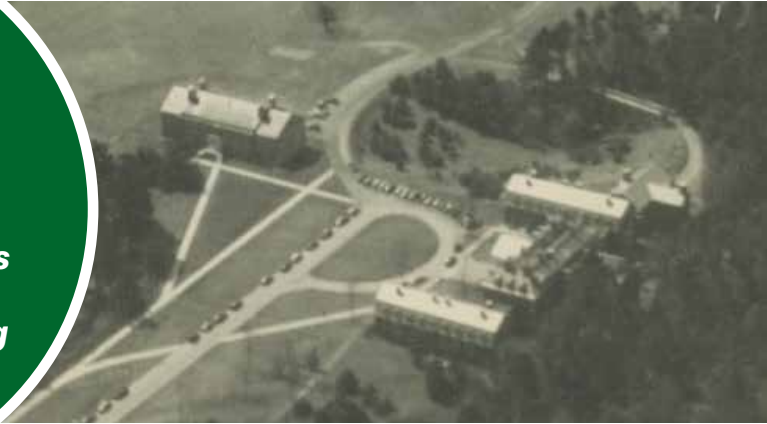


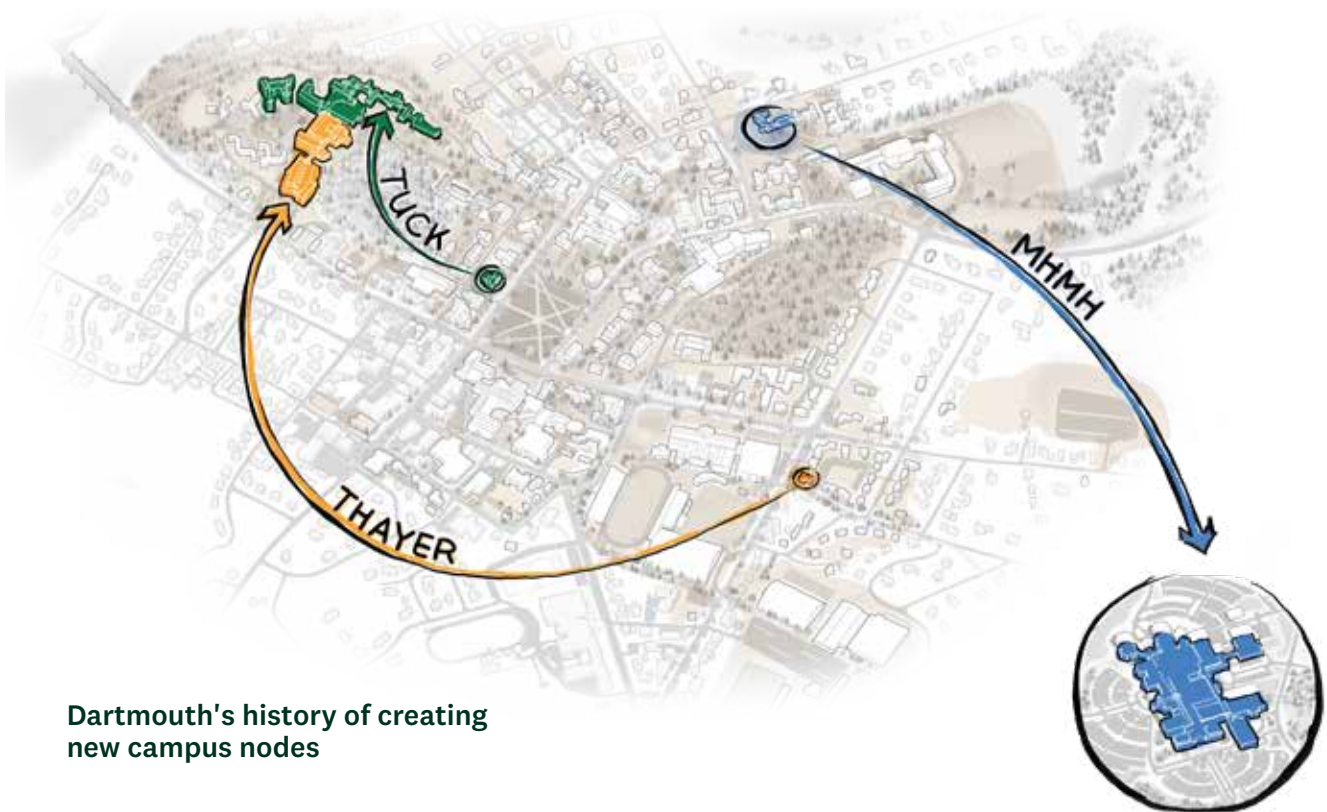
Chart of hypothetical population growth based on historical trends



***With history as  
our guide,  
identifying options  
for the adaptation of  
existing facilities and  
transformational moves  
now, can unlock key  
possibilities for meeting  
future needs.***



The beginning of the West End  
with relocated Tuck & Thayer



Dartmouth's history of creating  
new campus nodes



**During  
the COVID-19  
pandemic,**

***Dartmouth's west gym  
was established as one of  
14 alternative care sites  
in New Hampshire,  
providing 100+  
surge beds.***

**Making the most of what  
Dartmouth already has through  
quick, low-cost, and tactical  
means is both cost-effective  
and sustainable.**



### **Fairchild Tower**

Thanks to its incredible architectural bones and unparalleled views, using surplus furniture and available art, Fairchild Tower could be transformed into an immediately available vibrant and comfortable socially-distant common space for studying and socializing.



Existing Conditions

Planning for Possibilities provides short-term and long-term ideas, project pilots, and policies to increase the usability of campus spaces, indoor and out. An important part of campus resilience is the adaptability that comes from having the tools and knowledge to use resources differently

and having systems and policies in place that can pivot to new situations. The plan provides information as well as strategies for building greater flexibility and resilience that can help Dartmouth meet emerging and future challenges.



## Dart Row Commons

With lowered parking demand on-campus in the short-term, the Dart Row parking lot could be temporarily outfitted with seating and canopies as an outdoor, socially-distant social and learning space.



Existing Conditions





**ORGANIC  
FARM**

**OAK  
HILL**

**RIVERCREST**

**GARIPAY  
FIELDS**

**PINE  
PARK**

**GOLF  
COURSE**

**OCCOM  
POND**

**COLLEGE  
PARK**

**HANOVER  
CAMPUS**

**DOWNTOWN  
HANOVER**

**CONNECTICUT RIVER**



**Planning for Possibilities, developed through an inclusive engagement process and based on 8 Planning Principles, provides a flexible framework and toolkit of options for the Dartmouth campus and lands.**

The 30-year vision supports Dartmouth as a corridor of connected campus nodes set within the majestic natural environment from river to mountains.

“

***Dartmouth is the heart of the Upper Valley and so much more than just the historic core in Hanover.***

— Faculty Member

SULLIVAN  
GIBSON

CENTERRA

DHMC

SACHEM  
VILLAGE

LANDMARK  
HOLDINGS

BUCK  
FARM



# *The* Enduring Framework

A 30-year layered planning framework, building from fundamentals to visionary moves with flexible options, aligning short- and long-term physical planning for informed decision-making.





**The  
“O Farm”**

***began in the 1980’s  
as a class project  
and has grown into  
a cherished hub  
for hands-on  
learning.***



# Regional Campus Framework

**The regional framework strengthens a 6-mile corridor of connected centers of learning, employment, housing, and recreation with Hanover at the core.**

The enduring framework is an underlying scaffolding of the plan that aligns the physical assets of the regional Dartmouth areas with the Planning Principles. This scaffolding is intended to uphold the vision embodied in the plan even through unforeseen circumstances and necessary adaptations. The framework enables the preservation of Dartmouth's unique sense of place while also providing flexibility for adapting, improving, and expanding facilities to support new and existing programs.

The scope of the framework is the 6-mile corridor from the Organic Farm to DHMC and includes all remote properties such as the 2nd College Grant and Moosilauke.

Strategies for large-scale sustainable infrastructure, greater mobility and connectivity, preservation of open spaces and natural areas, and opportunities for affordable housing to limit sprawl are woven together in the plan, supporting Dartmouth's mission as well as its sustainability and resilience goals.

## **THE FRAMEWORK CREATES OPPORTUNITIES FOR:**

**30,000+** acres of preserved forest in greater New Hampshire

**700+** new housing units linked by transit

**520** new intercept parking spaces linked by transit

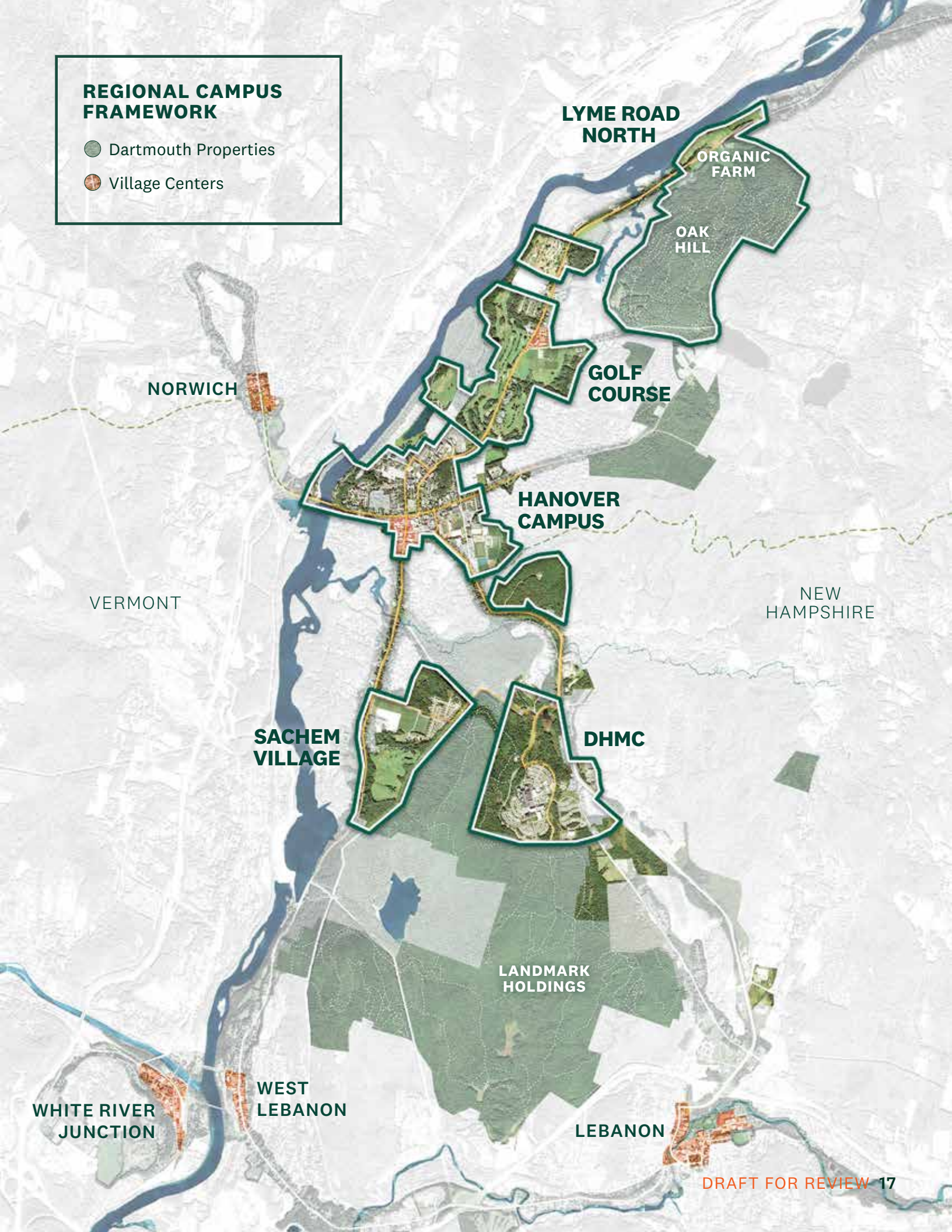
**15+** miles of new dedicated shuttle routes

**13+** miles of new bike lanes

***Engagement included community members and business owners from throughout the Upper Valley.***

## REGIONAL CAMPUS FRAMEWORK

- Dartmouth Properties
- Village Centers





# Hanover Campus Framework

**The framework preserves and reinforces the character of the Historic Core while enabling flexibility to meet future needs.**

Strategies integrate new and improved facilities, landscapes, and mobility infrastructure to enhance campus life as well as the walkability of the campus and its long-term sustainability and resilience. Strategies are also designed for positive impacts on the retail, commercial, housing, and arts environments in Downtown Hanover.

## **THE FRAMEWORK CREATES OPPORTUNITIES FOR:**

**1,150+** new units of housing for undergraduates

**680+** new units of housing within walking distance to Hanover campus

**55+** acres of new or improved landscaped campus open spaces

**14** acres of preserved wooded forest in College Park

**NORWICH**  
VERMONT





## HANOVER CAMPUS FRAMEWORK

-  Campus Open Space
-  Opportunity Sites



**HANOVER**  
NEW HAMPSHIRE

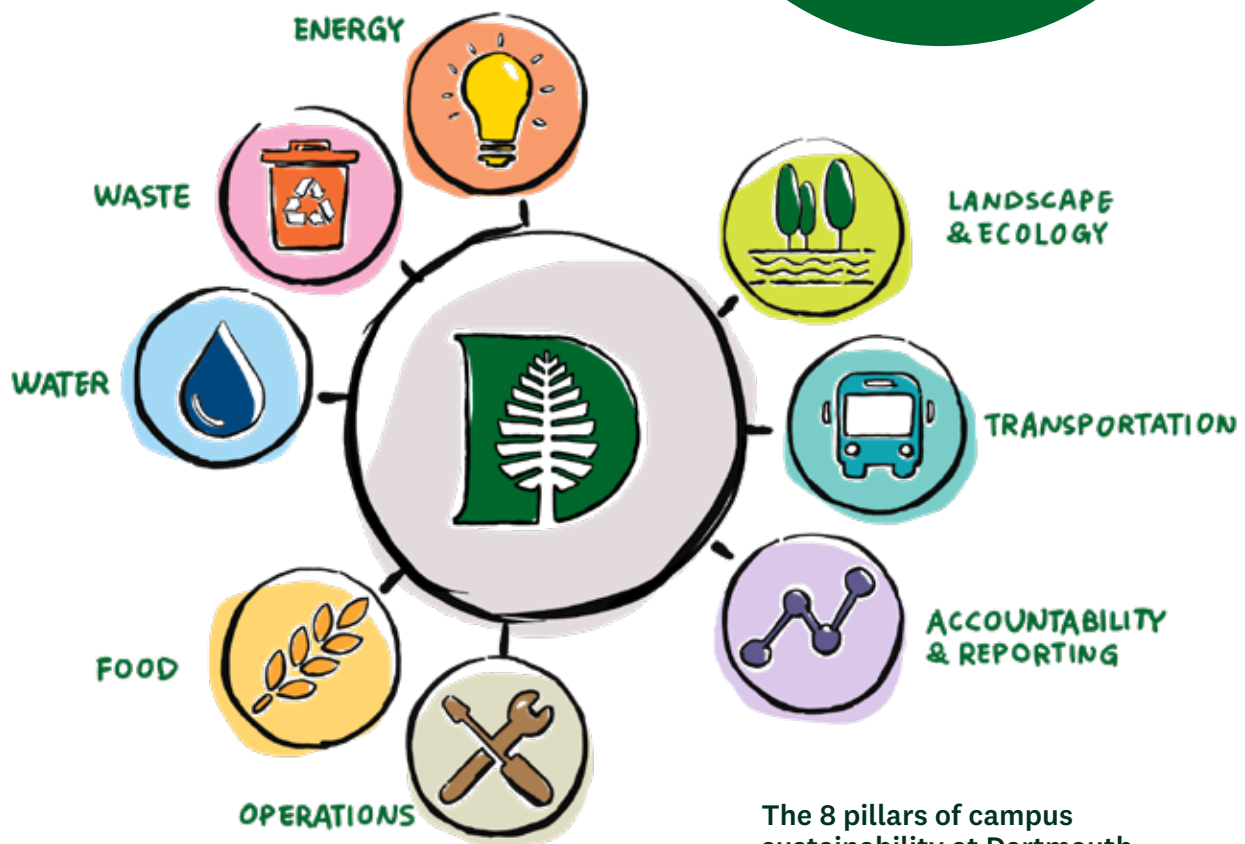


# Sustainability & Resilience

Dartmouth's 2017 "Our Green Future" road map is a foundation to the plan which sets the stage for the next evolution of sustainability and resilience policies and planning.

The plan builds on Dartmouth's ongoing sustainability initiatives to provide a pathway towards a low- carbon, resilient campus. To support Dartmouth's goal of providing 100% of campus energy from renewable sources by 2050, the plan is coordinated with the current energy system planning and provides potential sites for renewable energy production.

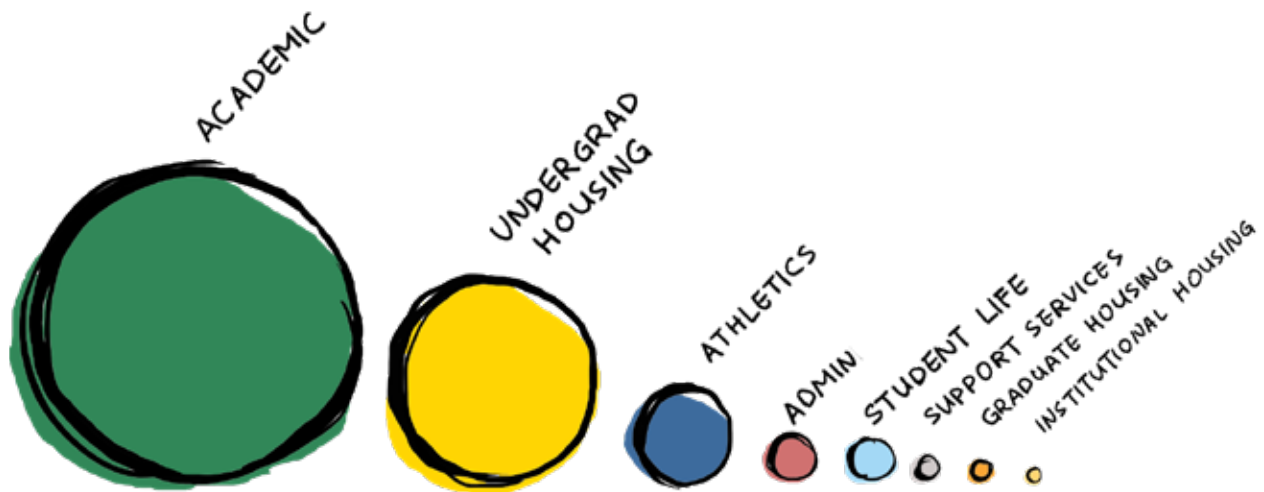
***In May of 2017, the Town of Hanover voted to establish a goal of transitioning to 100% clean & renewable energy by 2050.***



The 8 pillars of campus sustainability at Dartmouth



Modest, yet creative changes, can yield powerful results that greatly improve the campus experience, as illustrated by the transformation of Reiss Hall (shown in 1982, above; and in 2019, right)



Academic, administrative, and student life spaces, totaling about 50% of Dartmouth's almost 2.8 million assignable square feet, offer the most potential for optimization.

Sustainability begins with the efficient use of resources. Optimizing the use of existing space on campus, before contemplating new construction, is an underlying tenet of the plan. An assessment of all non-residential buildings according to a set of physical

and functional characteristics found that there are many options for renovations and adaptive reuse of existing buildings to meet emerging and future needs. In addition, when necessary, there are options for sensitively integrating new construction.



# Regional Mobility

A mobility system that is convenient, safe, accessible, and enables people to make individualized decisions is central to the successful functioning of the interconnected regional campus.

Recommendations include the following initiatives:





INFRASTRUCTURE	POLICY
<p><b>Improve all transportation modes</b> to support flexibility in the system</p>	<p><b>Parking pricing plan and daily permits</b> throughout Hanover campus</p>
<p><b>New shuttle system</b> interconnecting destinations along the 6-mile corridor, with weekend and evening hours</p>	<p><b>On-street paid parking</b> as a supplement to parking permit areas</p>
<p><b>New limited-access roadway</b> for shuttles, emergency vehicles, and bicycles connecting Sachem Village and DHMC</p>	<p><b>Incentivized carpooling</b> to reduce single-occupancy vehicles and parking demand</p>
<p><b>Re-balance of parking</b> between the Hanover Campus and new intercept lots served by transit</p>	<p><b>Fleet of shared cars</b> for inter-campus area trips</p>
<p><b>Improved and expanded bicycle routes with shelters</b> from the Organic Farm to DHMC</p>	<p><b>Transit hours extended</b> to evenings and weekends</p>
<p><b>Pedestrian-oriented campus environments</b> that are accessible and convenient</p>	<p>Formalized guaranteed <b>ride home</b></p>

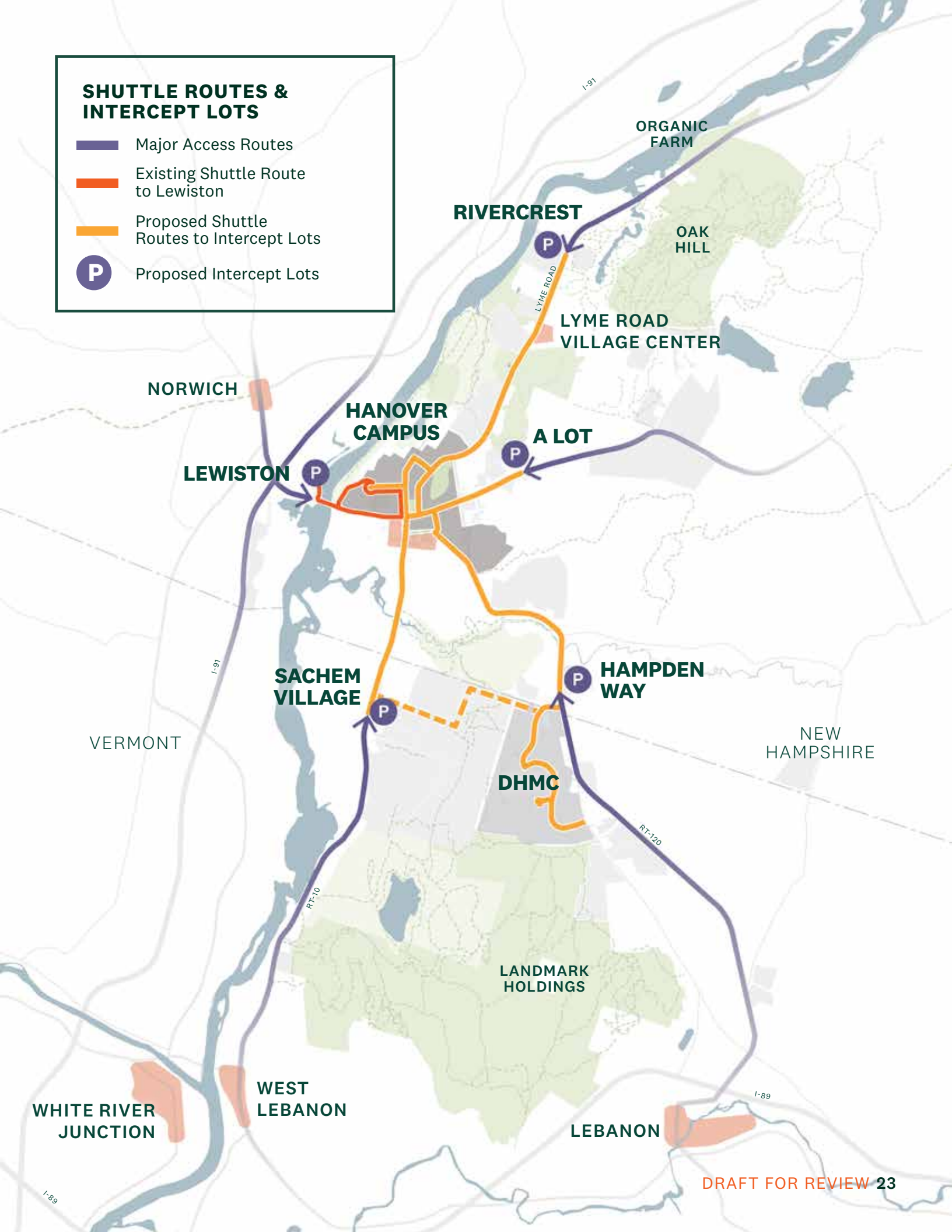
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Vital to the Region’s economic well-being is a convenient and safe transportation network. As the Region grows, so must its transportation system.

— Hanover Town Master Plan

## SHUTTLE ROUTES & INTERCEPT LOTS

-  Major Access Routes
-  Existing Shuttle Route to Lewiston
-  Proposed Shuttle Routes to Intercept Lots
-  Proposed Intercept Lots





**A comprehensive rethinking of Dartmouth’s approach to parking and transportation for faculty, staff, and students is an integrated component of the enduring framework. The current systems do not adequately provide a level of flexibility, predictability, or equity needed to support the campus community across the regional Dartmouth campus network.**

The framework is not a “one size fits all” strategy” but a multi-pronged approach that improves all modes of transportation and enables people to make decisions to suit their individual and particular needs.

To address the current challenges of commuting and mobility between campus destinations, the plan recommends policy changes coordinated with physical infrastructure, including demand management policies, system-wide pricing, improved bicycle, micro-mobility, and pedestrian infrastructure, and a revamped regional parking and transit system. Further supporting Dartmouth’s sustainability goals, the plan seeks to reduce traffic congestion and the number of single-occupancy vehicles in Hanover, thereby improving air quality, reducing greenhouse gas emissions, and creating a greener, more landscaped campus.

There are many unknowns in the future of mobility, including the growth of the autonomous vehicle industry, the rise of micro-mobility, and the long-term effects of the pandemic.

However, the plan's recommendations are designed to build flexibility into the system, which can be helpful in mitigating challenges and adapting to new standards and technologies. For example, it is anticipated that due to the

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***I would love to see a less car-centric campus with improved transit options to support that.***

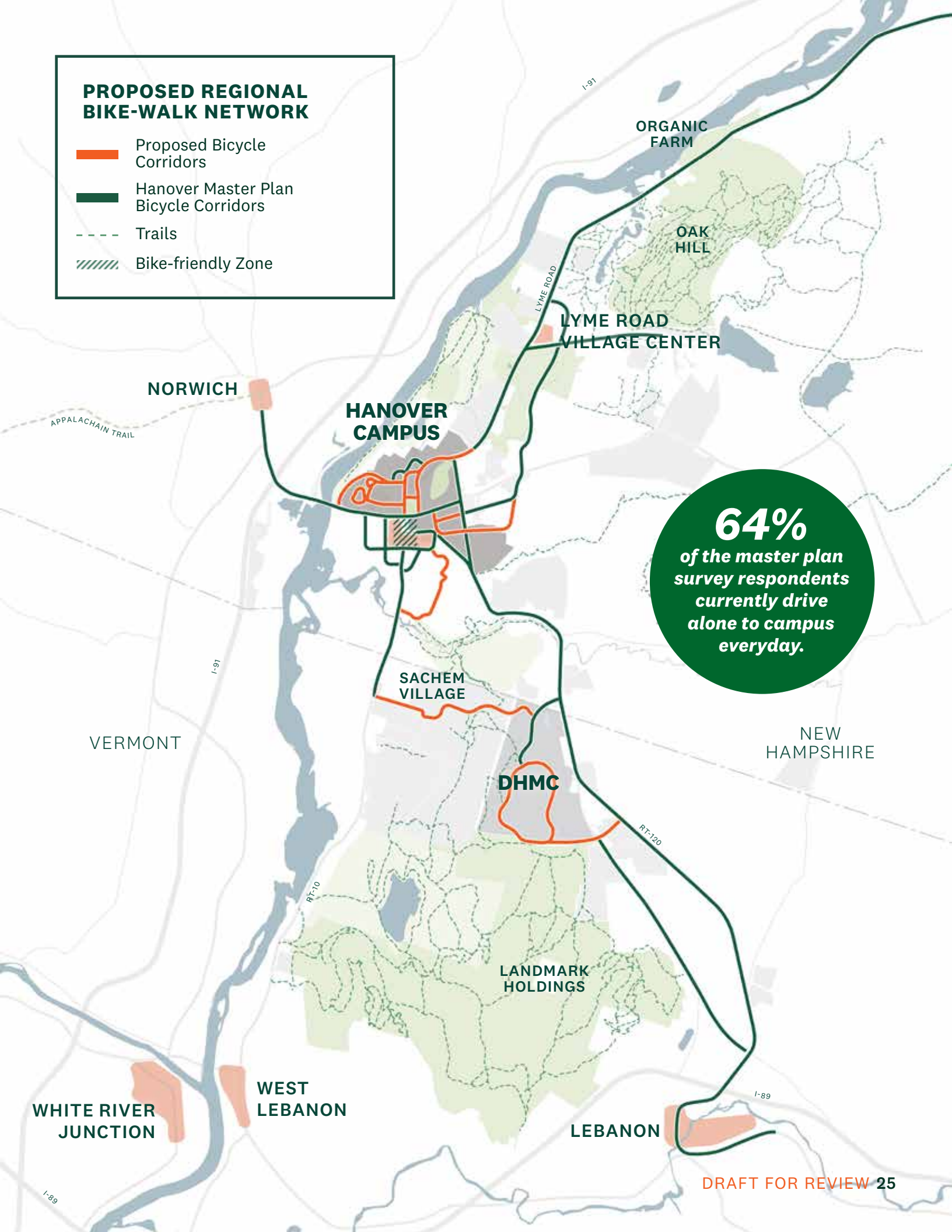
— Faculty Member

pandemic there will be a decline in parking demand for some time going forward. Short-term policy recommendations, such as daily parking permits instead of monthly permits, can support hybrid on-campus and work-from-home schedules.

Longer-term recommendations, such as the implementation of a transit and intercept lot system, can be adapted to social distancing standards and could benefit from autonomous vehicles. In addition, micro-mobility, which makes alternatives to single-occupancy vehicles more accessible to a wider spectrum of the population, can be supported by improvements to the bicycle infrastructure.

## PROPOSED REGIONAL BIKE-WALK NETWORK

-  Proposed Bicycle Corridors
-  Hanover Master Plan Bicycle Corridors
-  Trails
-  Bike-friendly Zone



**64%**

*of the master plan  
survey respondents  
currently drive  
alone to campus  
everyday.*



# Dartmouth Landscape

The Dartmouth campus is defined by a regional network of interconnected open spaces, recreational areas, and natural habitats.

Guided by the principles below, the plan seeks to improve the accessibility of nature as a critical component of well-being and increase the resilience of both cultivated and natural landscapes while strengthening Dartmouth’s unique and recognizable sense of place. The scope of the framework is both local to moments on the Hanover campus as well as regional, recognizing the far-reaching nature of ecologic systems.

“

***Open green spaces help give the College and Town their special character. The Green, Riverfront, College Park, Occom Pond, Golf Course, Pine Park, and Appalachian Trail make this community unique and attractive.***

— Community Member

## LANDSCAPE PRINCIPLES

**Integrate the restorative qualities of nature** with the everyday life of the campus

**Connect the regional natural landscapes** into the Dartmouth experience

**Diversify the campus landscape** from a single center at the Green to multiple connected centers

**Extend and improve connections** to the major natural landscapes of College Park, the Cemetery, the Golf Course, and the Riverfront

**Increase and diversify the tree canopy** to be resilient in a changing climate

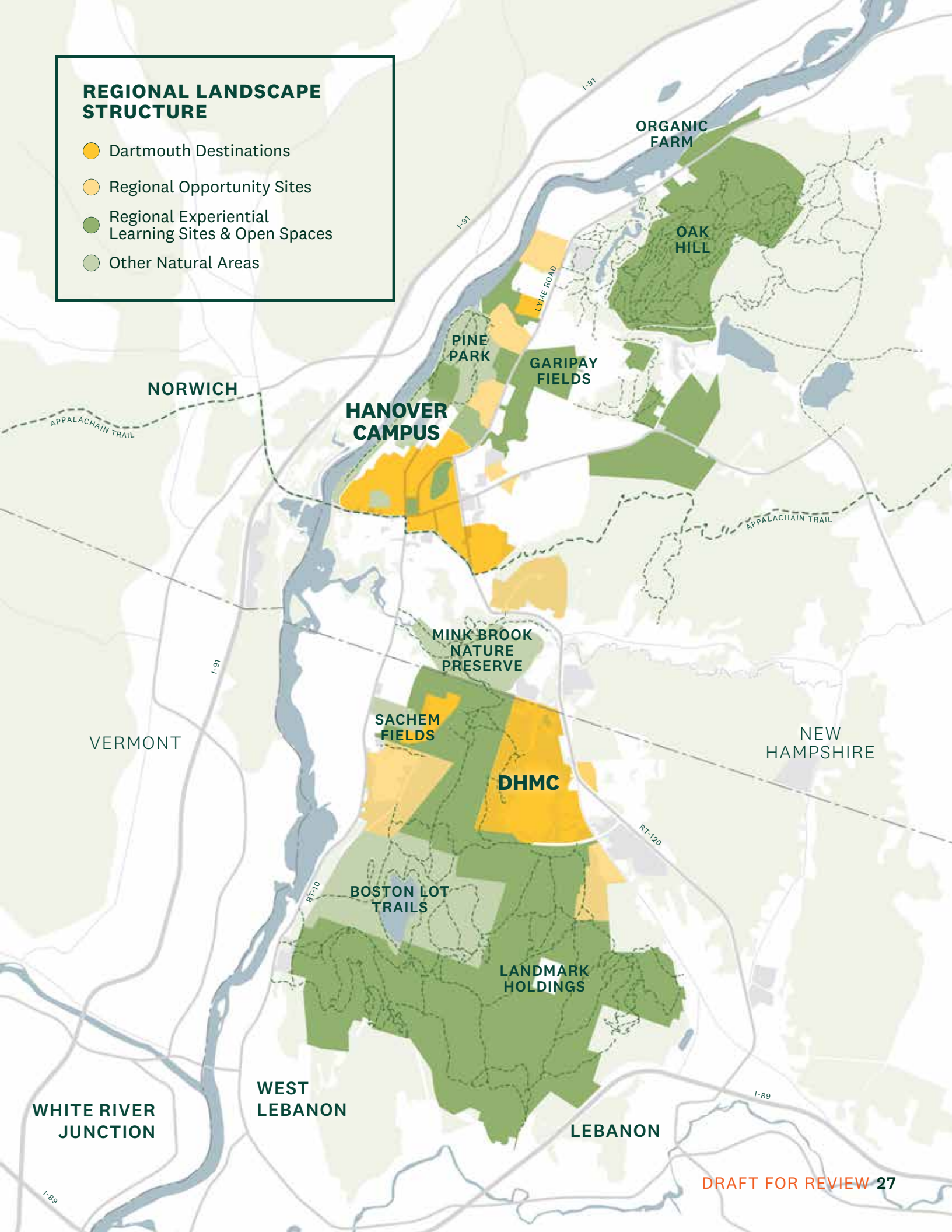
**Leverage infrastructure upgrades** as opportunities to improve the campus landscape

**Introduce “Pockets of Nature”** to infiltrate stormwater, create habitat, and provide moments of relaxation

**Develop year-round outdoor “Common Spaces” and “Residential Landscapes”** to support a vibrant campus life

## REGIONAL LANDSCAPE STRUCTURE

-  Dartmouth Destinations
-  Regional Opportunity Sites
-  Regional Experiential Learning Sites & Open Spaces
-  Other Natural Areas





## THE ENDURING FRAMEWORK

From the Connecticut River to College Park, Dartmouth's campus is defined by an underlying landscape structure of natural boundaries such as topography and waterways. Building on the singular identity of the Green, the plan creates a rich and diverse mosaic of landscape spaces composed of important landscapes, naturalized areas, and smaller common spaces. This mosaic provides year-round spaces for formal and informal gathering, walking and enjoyment, and views to nature, which support the community's well-being as well as support campus walkability and sustainability. Preserving the Dartmouth sense of place, the plan allows the campus to grow while maintaining and improving campus character.

Considering landscape as a central aspect of the campus sustainability infrastructure, the plan builds increased resilience into the campus grounds by piggybacking landscape opportunities onto strategic infrastructure projects for achieving long-term goals. More resilient below-grade stormwater infrastructure, soils, tree species, and landscape design can be considered at the same time in order to leverage the construction effort for greater effect and more efficient use of resources.



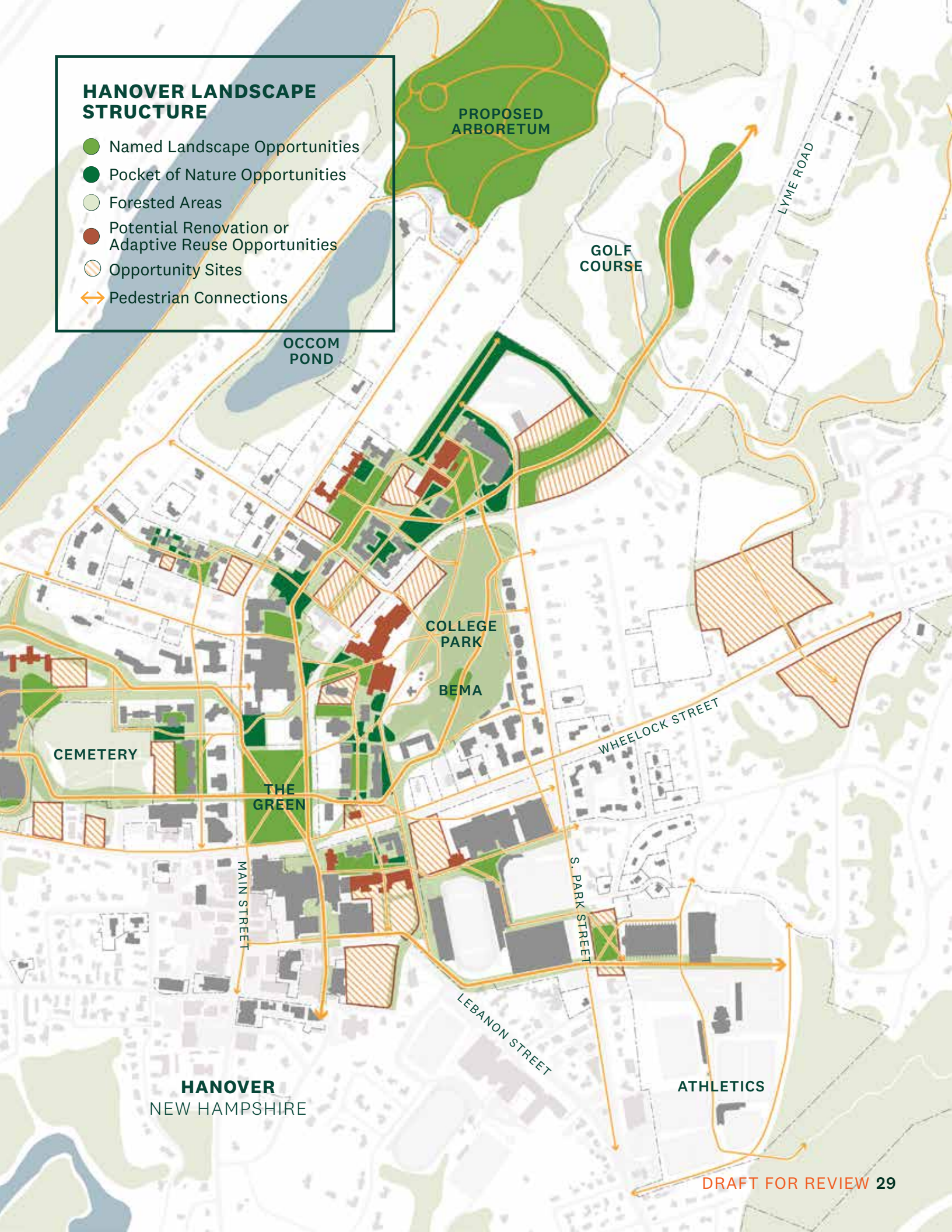
**Landscape resilience begins underground with engineered soils and integrated stormwater management**





## HANOVER LANDSCAPE STRUCTURE

- Named Landscape Opportunities
- Pocket of Nature Opportunities
- Forested Areas
- Potential Renovation or Adaptive Reuse Opportunities
- Opportunity Sites
- Pedestrian Connections





## Reuse & Redevelopment Opportunities

**A menu of options for strategic renovations, creative adaptive reuse, and thoughtful infill and redevelopment, provides flexibility to meet future campus needs while preserving campus character.**

A suite of short- and long-term renovations and adaptive reuse options can meet a broad range of student life, housing, and academic space and facility needs. These projects consider where needed facility improvements can be further leveraged for greater overall benefit. When additional space is needed, the plan provides options for new construction designed and located in order to foster a mixed-use and walkable environment and enhance the campus character. All recommendations are closely integrated with the landscape and mobility recommendations of the plan.

The plan doesn't prescribe what uses, departments, or programs should go where. Rather, it provides options coordinated to each other and to the broader goals and principles of the plan, as well as the required information for making informed decisions. Opportunities include large-scale projects, such as future sustainable redevelopment of the Dewey Lot, as well as small-scale interventions, such as a transformation of the Fairchild Tower into a hub for collaboration.

**See the “Catalog of Options” for more information about all identified projects.**

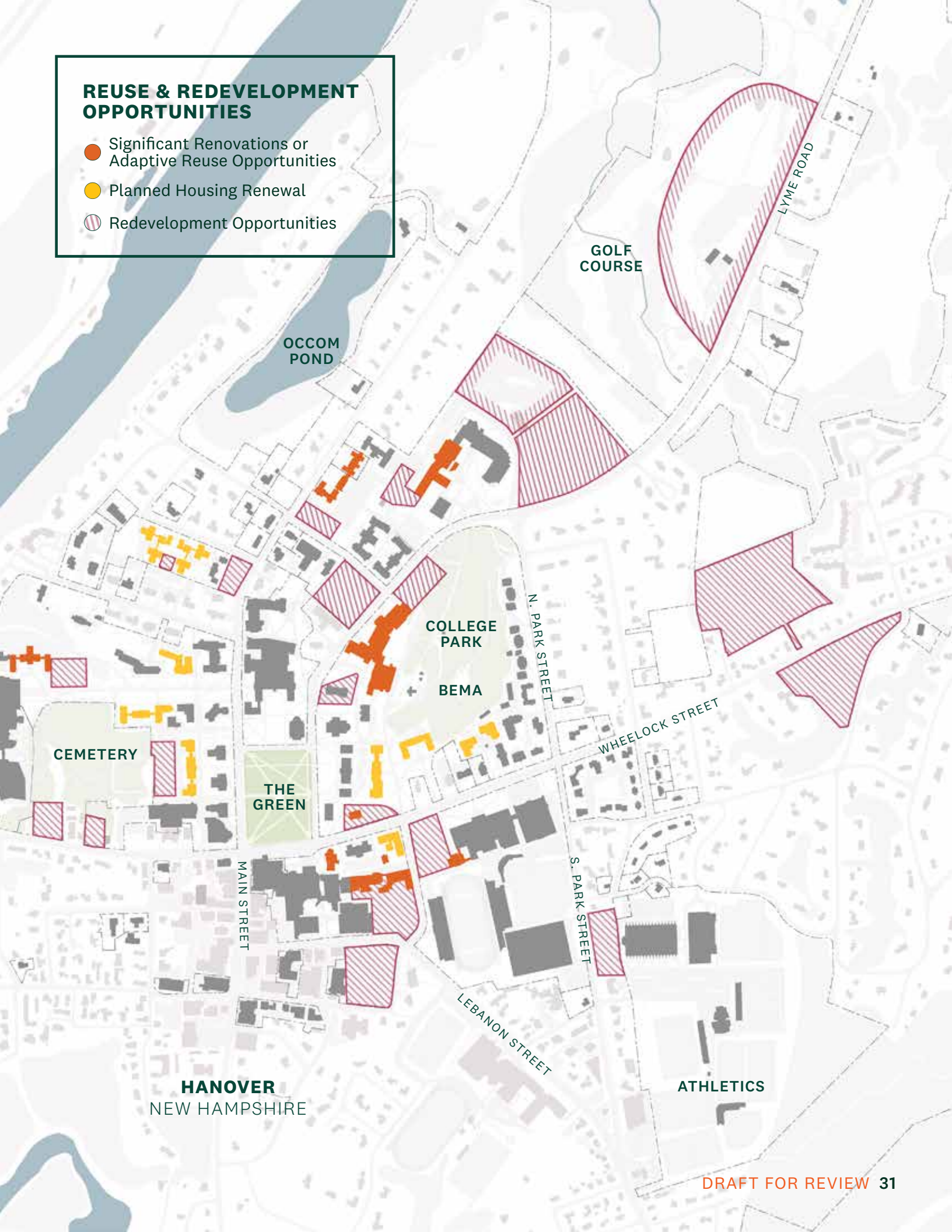
**NORWICH**  
VERMONT

**LEWISTON**

CONNECTICUT RIVER

## REUSE & REDEVELOPMENT OPPORTUNITIES

- Significant Renovations or Adaptive Reuse Opportunities
- Planned Housing Renewal
- Redevelopment Opportunities



**HANOVER**  
NEW HAMPSHIRE



# Housing & Residential Life

NORWICH  
VERMONT

**Renewal of the undergraduate housing stock, and the availability of housing that meets graduate student needs, are critical issues for student life.**

The renewal of existing undergraduate residences is integrated into the plan while allowing for implementation to evolve in order to meet emerging needs. The plan also provides options for a variety of new graduate student, faculty, or staff housing types within walking distance to campus or connected via transit.

The mixed-use nature of the Hanover campus, with its network of common spaces, connection to downtown, arts district, natural resources, and athletics facilities, offers opportunities for building community between undergraduate and graduate students, faculty, and staff, offering a meaningful out-of-classroom experience.

## UNDERGRADUATE STUDENTS

Support the **21st-century undergraduate residential experience**

Integrate intellectual **engagement, community, and continuity** within the house system

Align housing types and different **stages of student development**

Build on the uniquely **mixed-use character of the campus** and sense of vibrancy it generates

**Equalize the quality of residential options** across the housing system

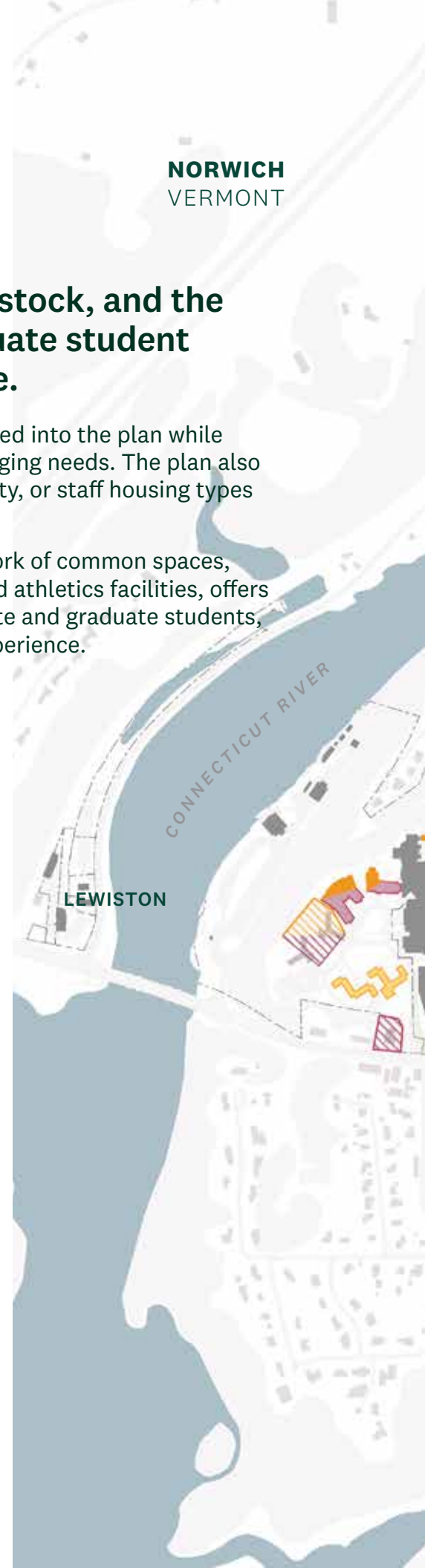
**Address deferred projects** addressing maintenance, life-safety, building code and ADA issues

## GRADUATE STUDENTS

Locate graduate student **housing within proximity to campus** or with access to robust campus transit

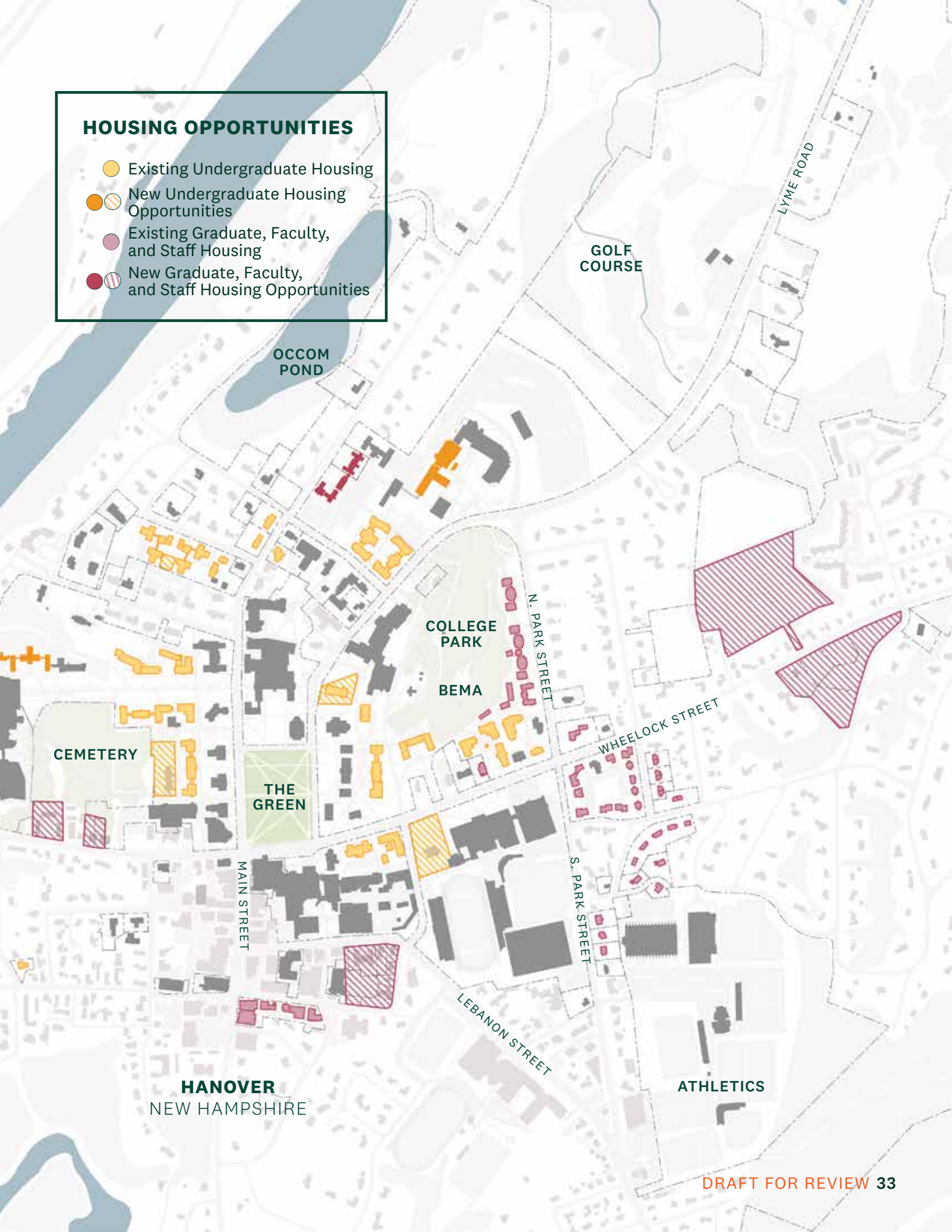
Provide a **variety of unit types** to meet the spectrum of living situations and incomes of graduate students

**Integrate social gathering spaces** for graduate students into the design of new housing both on and off campus



## HOUSING OPPORTUNITIES

- Existing Undergraduate Housing
- New Undergraduate Housing Opportunities
- Existing Graduate, Faculty, and Staff Housing
- New Graduate, Faculty, and Staff Housing Opportunities



**HANOVER**  
NEW HAMPSHIRE



# Catalog of Options

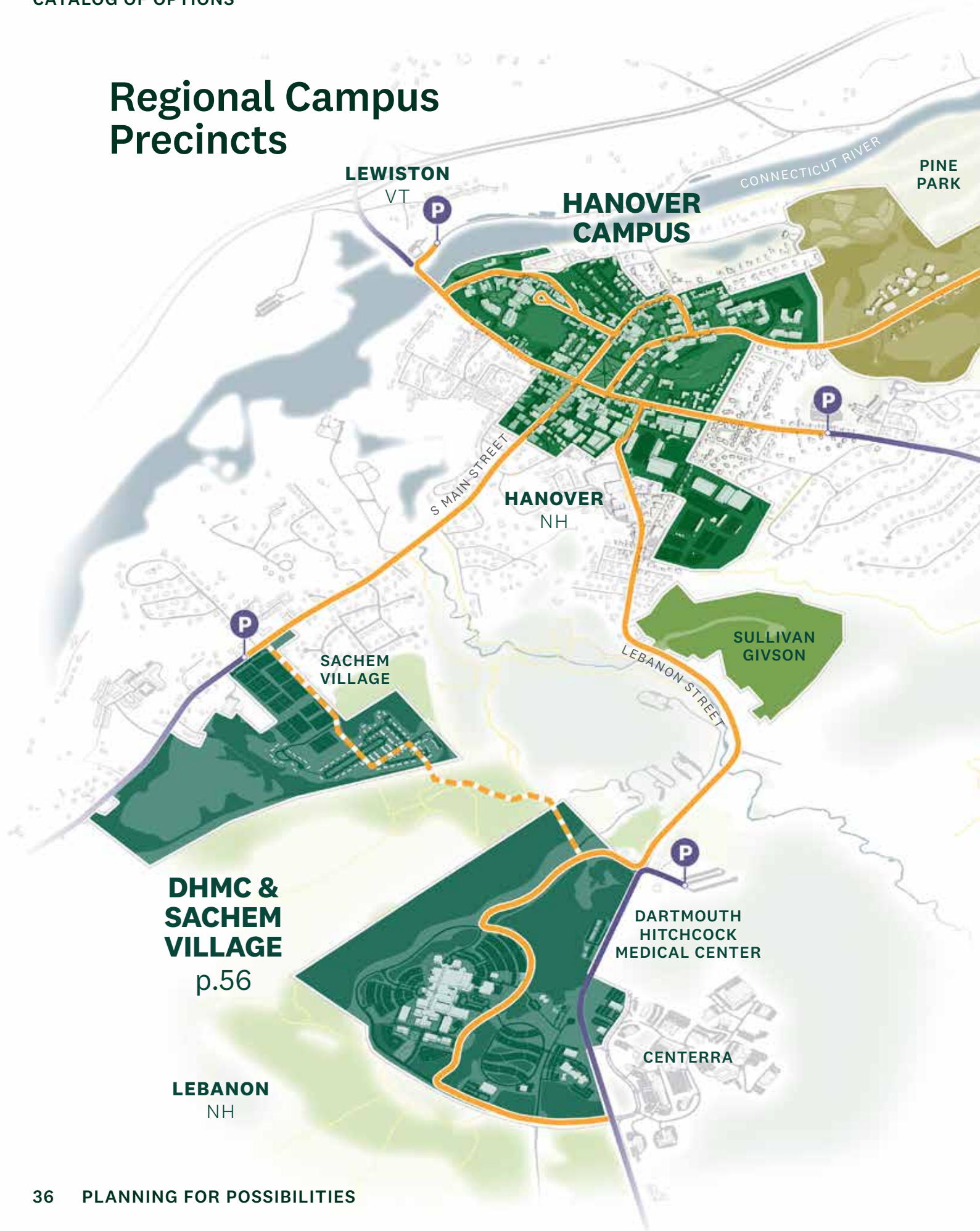
A menu of short- and long-term placemaking opportunities for implementation as needs arise across the regional Dartmouth footprint.

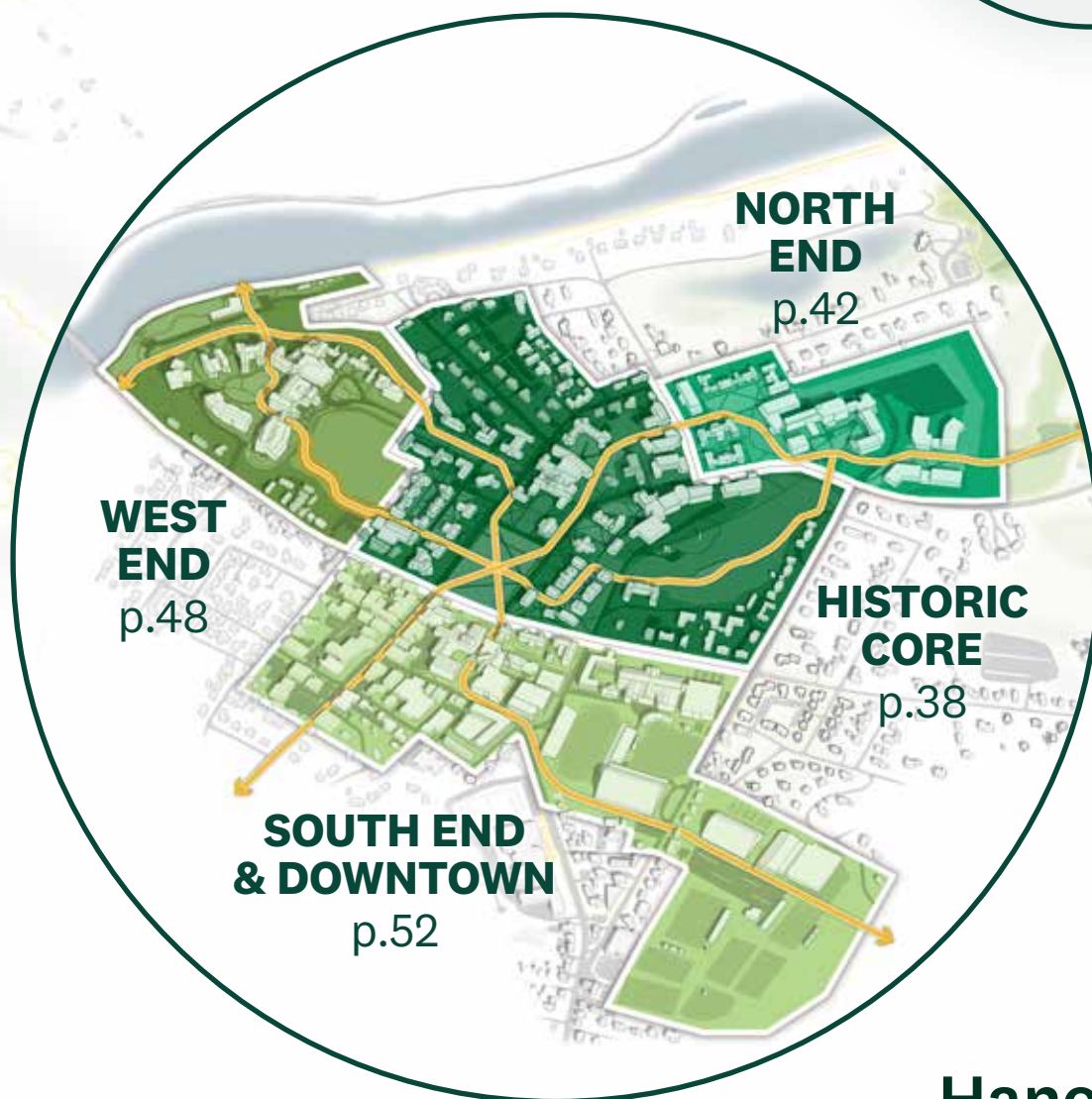






# Regional Campus Precincts





## Hanover Campus Precincts



# Historic Core

The Historic Core is the most iconic and recognizable area of the Dartmouth campus and serves as “home base” for undergraduate student life.

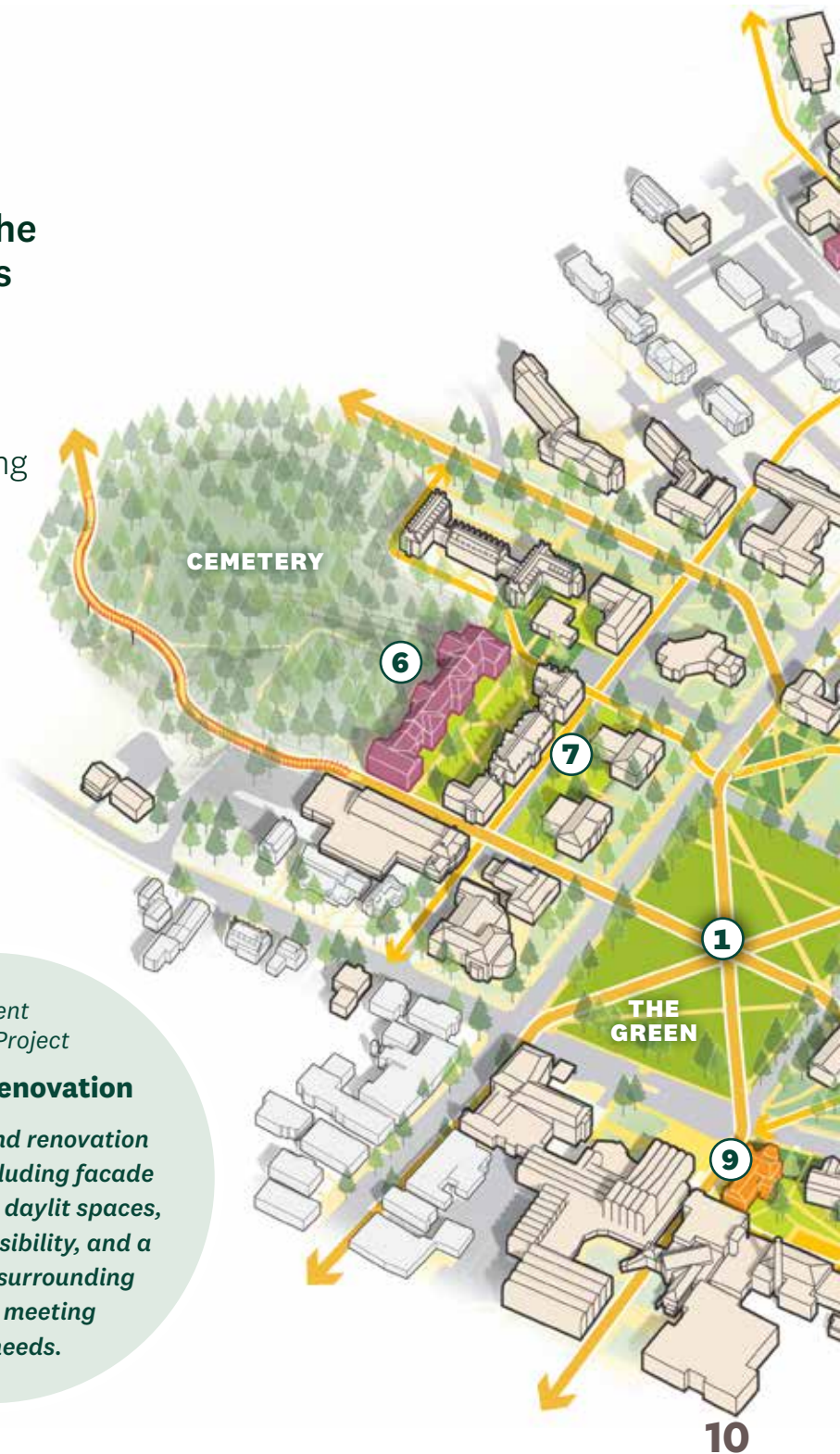
Renovations to Dartmouth, Reed, and Thornton halls and a planned reimagining of Baker-Berry Library are underway to support 21st-century teaching and learning. In the future, as needs evolve and emerge, strategic renovations, expansions, new construction, and landscape improvements can optimize the use of cherished historic buildings, enable facility upgrades, and greatly improve the resilience and usability of the campus landscape to support the academic and social lives of the entire community.



Current  
Capital Project

## Dart Row Renovation

*Preservation and renovation of Dart Hall, including facade restoration, new daylit spaces, improved accessibility, and a gracious new surrounding landscape meeting future needs.*



## COLOR LEGEND

- Strategic Repurpose or Renovation Options
- Future Expansion Options
- New or Refreshed Landscape Destination Options
- New "Pocket of Nature" Options

Opportunities to expand and renew undergraduate housing along Choate Road, renovate historic structures, and refresh the landscape. Within the Choates cluster, groves of trees and targeted landscape improvements can create a sense of place and improve resilience.





1

### The Green

Improvements to the Green, to better resist the wear-and-tear of heavy use, and a new Pocket of Nature at Sanborn House, as a place for relaxation that celebrates Dartmouth's commitment to environmental sustainability.

2

### Dart Row Commons

A new academic & residential landscape creates a focus of student activity, while reinforcing connections to College Park, bringing its character more strongly into the center of campus.

3

### College Park & The BEMA

Preservation of College Park as a natural resource, open to the community, with strategic infrastructure improvements to the BEMA to support its use as a teaching, learning, and gathering space.

4

### Wheeler Expansion

An opportunity for undergraduate residential expansion where the Historic Core meets the North End.

5

### Baker Berry Bowl

Canopy trees and furniture create a dynamic outdoor gathering space for the library as a gateway between the Historic Core and the North End.

6

### Fairbanks Redevelopment & Mass Quad

An opportunity for a mixed-use undergraduate residence and administrative building, nestled behind Mass Row, creating a landscaped quad connecting to '53 Commons and a future bridge to the West End.

7

### Mass Row

A modest redesign of an internal roadway significantly improves pedestrian safety and accessibility, provides places to gather and pause, and enriches the tree canopy with understory trees.

8

### Bartlett Reuse & Expansion

An opportunity for a sensitive reimagining of an architectural treasure, with a potential expansion, for administrative and academic uses, enabling facility and accessibility improvements.

9

### Wilson Reuse

An opportunity to revitalize this historic architectural icon for administrative or academic uses, such as a relocated, easy-to-find Admissions Office, enabling facility and accessibility improvements.

10





## 2 Dart Row Commons

Illustrative view of a new academic/residential landscape supporting learning, community building, and well-being connecting the historic Dart Row and Fayerweather Halls



Existing conditions





# 1

## The Green

Illustrative view of the Green with new below-grade infrastructure improvements to support the health of the landscape, new furniture for a diversity of uses, and a new Pocket of Nature providing a deliberate and accessible space on campus to experience the restorative qualities of nature



Existing conditions



# 9

## The College Park BEMA

Illustrative view of the BEMA with a new canopy shelter, lighting, and other infrastructure to support events, learning, classes, and community usage



Existing conditions



# North End

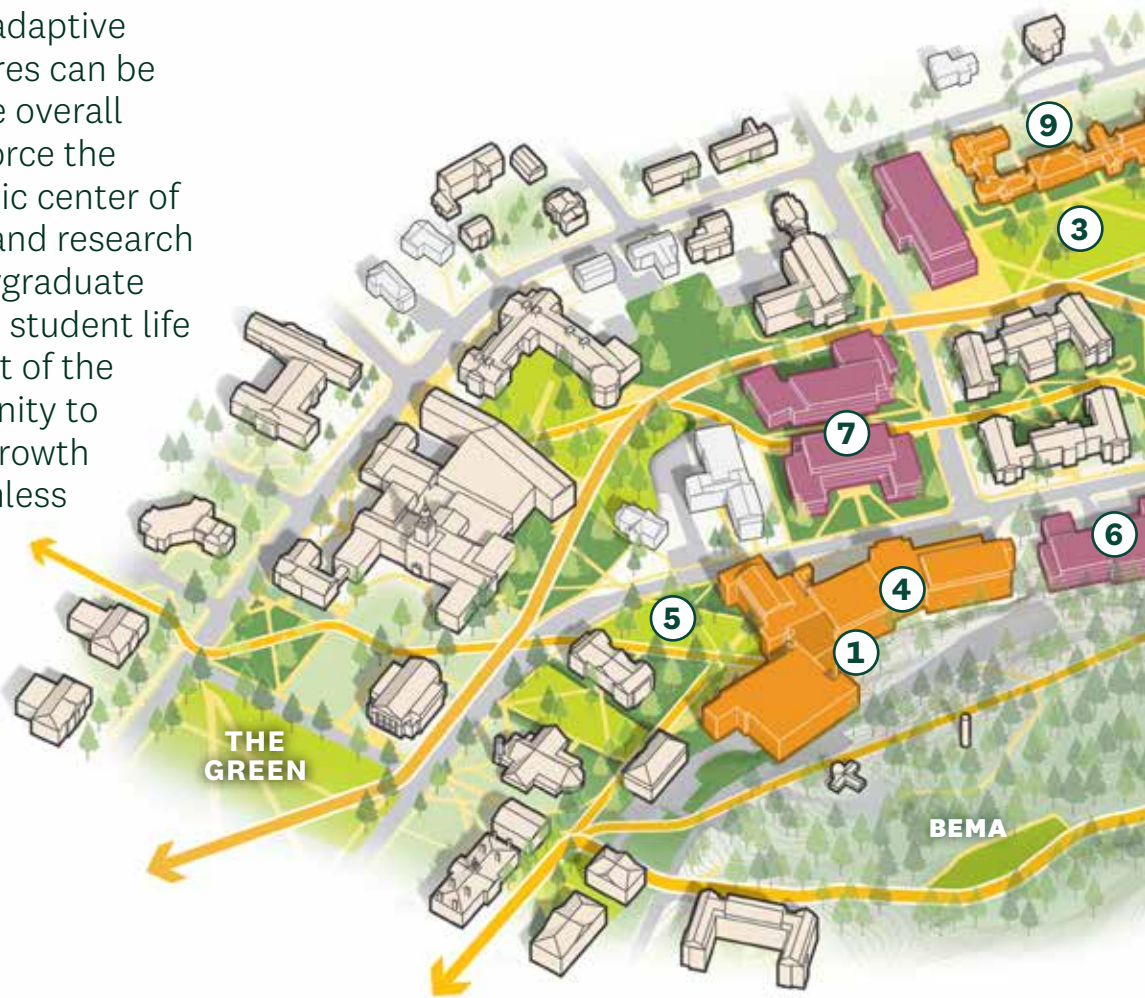
The North End has been a precinct of ongoing change since the demolition of the hospital in the 1990s and most recently with the creative reuse of Anonymous Hall.

Future renovations and adaptive reuse of existing structures can be leveraged to improve the overall sense of place and reinforce the North End as an academic center of the sciences, medicine, and research complemented by undergraduate residences and graduate student life facilities. Redevelopment of the Dewey Lot is an opportunity to meet significant future growth needs and create a seamless connection to the long-term landbank of the Golf Course.

*Recent Capital Project*

**Anonymous Hall**

*A complete reimagining of the former Dana Hall from the inside out provides new formal and informal spaces for learning and collaboration.*



11

## Kellogg Auditorium

An opportunity site for new academic or administrative facility, incorporating the newly renovated auditorium, with potential lower-level parking.

10

## Life Sciences Lawn

New pedestrian connections and a robust pocket of nature across from College Park supports stormwater infrastructure.

## 1 Fairchild Tower Renovation

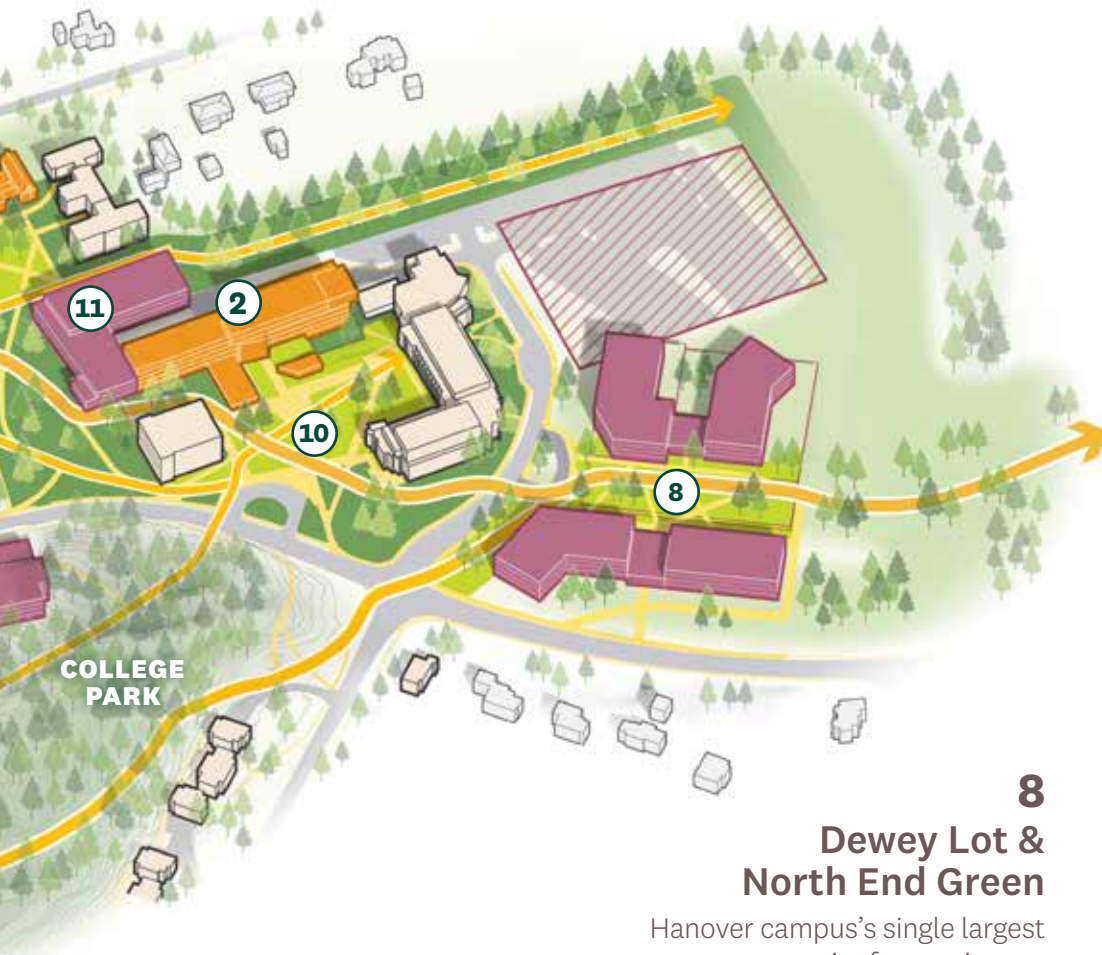
A refresh of an existing atrium space, offering unparalleled views, into a dynamic and welcoming interdisciplinary and student life hub.

## 2 Remsen-Vail

If the Geisel School of Medicine were to relocate to new facilities, this opportunity for adaptive reuse can accommodate up to 550 undergraduate student beds and/or academic space, and could include new facade materials, enlarged windows, and a welcoming new entrance.

## 3 Maynard Yard

Maynard Yard, a new quad, improves the character of the North End and incorporates new energy and stormwater infrastructure to meet campus resilience and sustainability goals. The site includes space for a modest academic or administrative building along Maynard Street.



## 4 Physical Sciences Complex Renovation

Facility, systems, and technology upgrades to the buildings to support current and emerging teaching and learning methods and research in the sciences.

## 5 Fairchild Field

A new shared surface for cars, pedestrians, and bikes, in lieu of a vehicular access road, creates better pedestrian connections between the Physical Sciences Complex and the Historic Core.

## 6 North Burke Site

An opportunity for a new academic building to support the sciences or other emerging disciplines with proximity to undergraduate housing and the North End.

## 7 Sudikoff

An important site, to be reserved for a future significant academic facility, centrally located on the Hanover Campus.

## 8 Rope Ferry

An opportunity for adaptive reuse into 75-100 beds for graduate and professional students or academic space if the Geisel School of Medicine, Health Services, and the Department of Safety and Security were to relocate to new facilities that better suit their needs.

## 9 Dewey Lot & North End Green

Hanover campus's single largest opportunity for contiguous academic expansion with the potential to transform the existing parking lot into a mixed-use destination; a new North End Green can provide an open space and seamless pedestrian link to the Golf Course grounds. Due to the large scale of the site, it could incorporate below-grade parking and green energy infrastructure.





## 2 Remsen-Vail

Illustrative view of a sustainable reuse of the existing buildings, preserving the structure while upgrading the facade and mechanical systems



Existing conditions





# 1

## Fairchild Tower

Illustrative view of a transformative renovation with new interconnecting stairwell, comfortable furnishings, and the vibrancy of a destination campus hub



Existing conditions



# 9

## Maynard Yard

Illustrative view of a new central green gathering space for the North End, coordinated with the revamped parking and transit system



Existing conditions



## Long-term Redevelopment Options

Sustainable development in a selective area of the Golf Course, either in the south, connecting to the North End through Dewey Lot, or in the north, near the Lyme Road Village Center. Development could include a mix of campus uses, such as academic, administrative, and graduate or professional student housing, and be sensitively integrated into the grounds and include landscape restoration. A bridge over Girl Brook could provide pedestrian and bicycle access directly from the North End.

# Golf Course Precinct

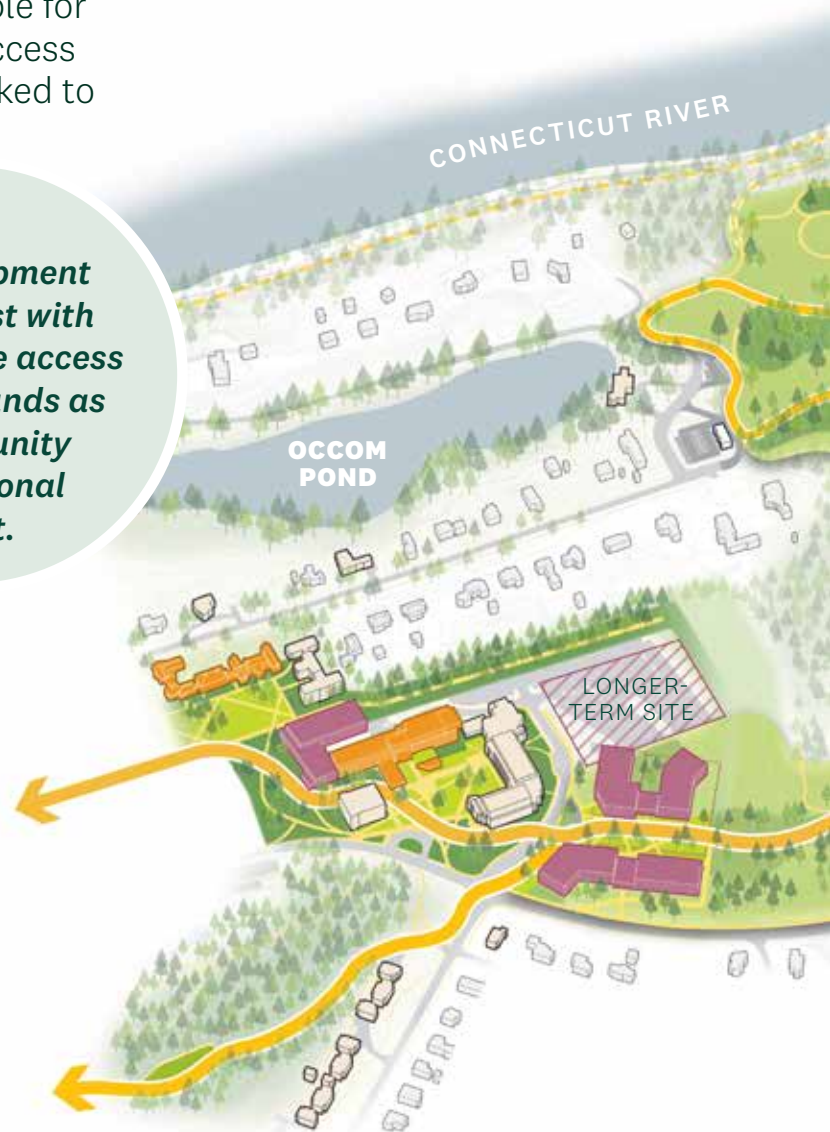
**As a long-term landbank for the College, the framework provides options for tactical and thoughtful development to support Dartmouth's mission, improve the local natural ecology, and preserve the use of the grounds as a majestic natural and open space community resource.**

A study of the Golf Course geographic and physical attributes, including topography, wind, sun exposure, and other parameters, was performed to determine the selective areas most suitable for sustainable development while improving access to the grounds as a recreational resource linked to Pine Park and Occom Pond.



Sledding on the Golf Course grounds

*Redevelopment can coexist with and improve access to the grounds as a community recreational asset.*



## 2 Natural Landscape Preservation

The preservation of natural landscapes enhances campus character and provides recreational and outdoor learning opportunities for students and community members.

## 3 Arboretum

A new park-like setting with opportunities for recreation, research, and applied learning adjacent to Pine Park.

## 4 Recreational Space

Use of the grounds for general enjoyment, cross-country skiing, running, walking, and other recreational activities to be maintained on the grounds. The use of an 18- or 9-hole golf course is also a viable potential.





# West End

**The West End is currently undergoing significant investment in accordance with the 2017 West End Master Plan.**

The 2017 master plan envisioned new buildings, landscapes, and infrastructure to bring expanded academic space and opportunities for interdisciplinary interaction.

Planning for Possibilities builds on that vision, integrating the access, mobility, sense of place, facility improvements, and other recommendations into the broader campus plan framework.



*Current  
Capital Project*

## **Thayer/CS & Irving Institute**

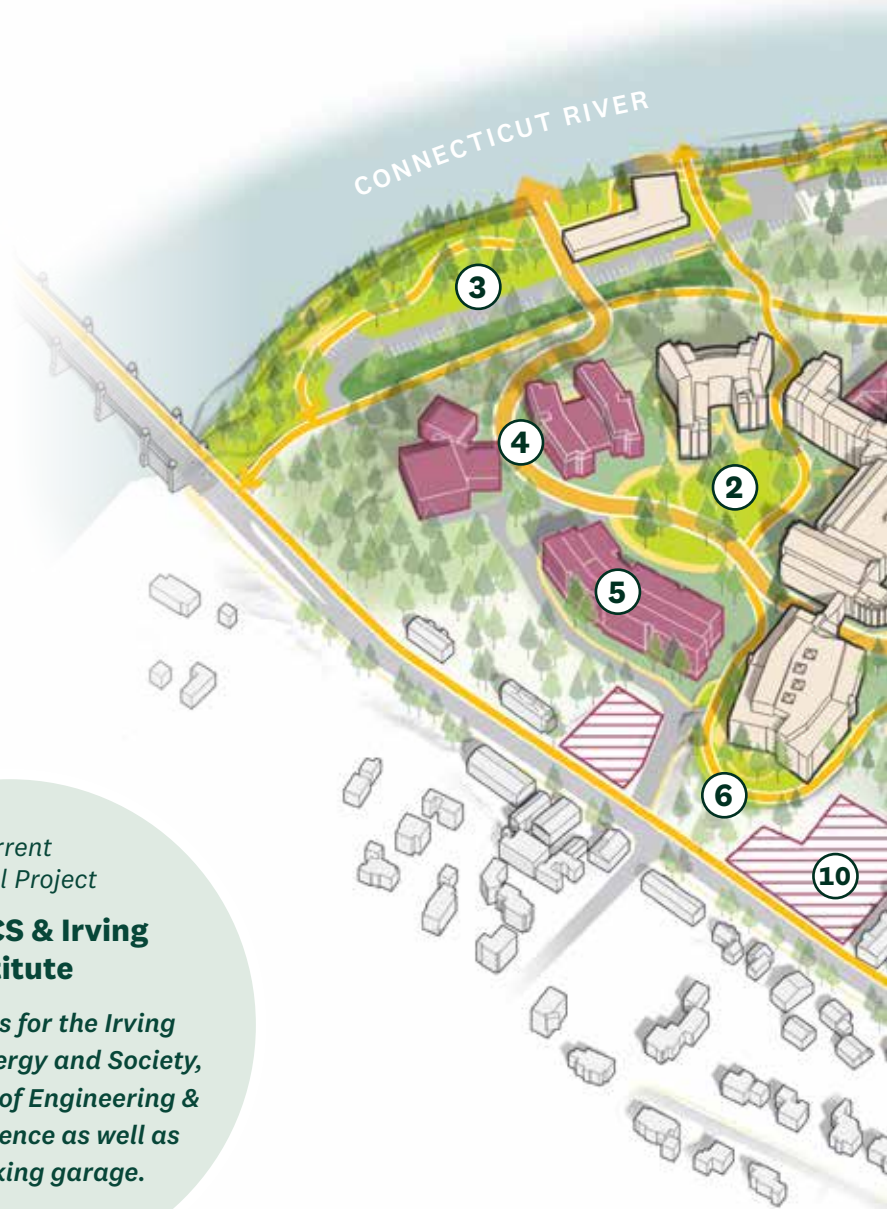
*New buildings for the Irving  
Institute for Energy and Society,  
Thayer School of Engineering &  
Computer Science as well as  
a new parking garage.*

## **10 West Wheelock**

Opportunities for new affordable, apartment-style faculty, staff, and graduate student housing can also improve the sense of place as a campus gateway along West Wheelock Street.

## **9 Tuck Facilities**

In the future, the Tuck complex could be renovated and expanded to advance its competitive edge. Or, if relocated to new facilities, Woodbury and Chase, originally built as student housing, as well as Tuck Hall could be repurposed for undergraduate housing, providing up to 230 beds.



## 1 Green to Blue Bridge

A new pedestrian and bicycle bridge that meanders through the cemetery treetops and improves connectivity between the Riverfront, West End, Historic Core, and Downtown.

## 2 West End Green

A central open space that strengthens the sense of place in the West End and provides a space for gatherings and other informal uses.

## 3 Riverfront Park

A recreational open space destination for the regional community, to be developed in coordination with the revamped transit and parking system.

## 4 French & Judge Redevelopment

Opportunity sites for future academic and/or living-learning facilities for Thayer, Tuck, or other departments.

## 5 Channing Cox & Maxwell Redevelopment

A future expansion opportunity for Thayer or other academic programs, with potential for below-grade parking.

## 6 Thayer Landscape

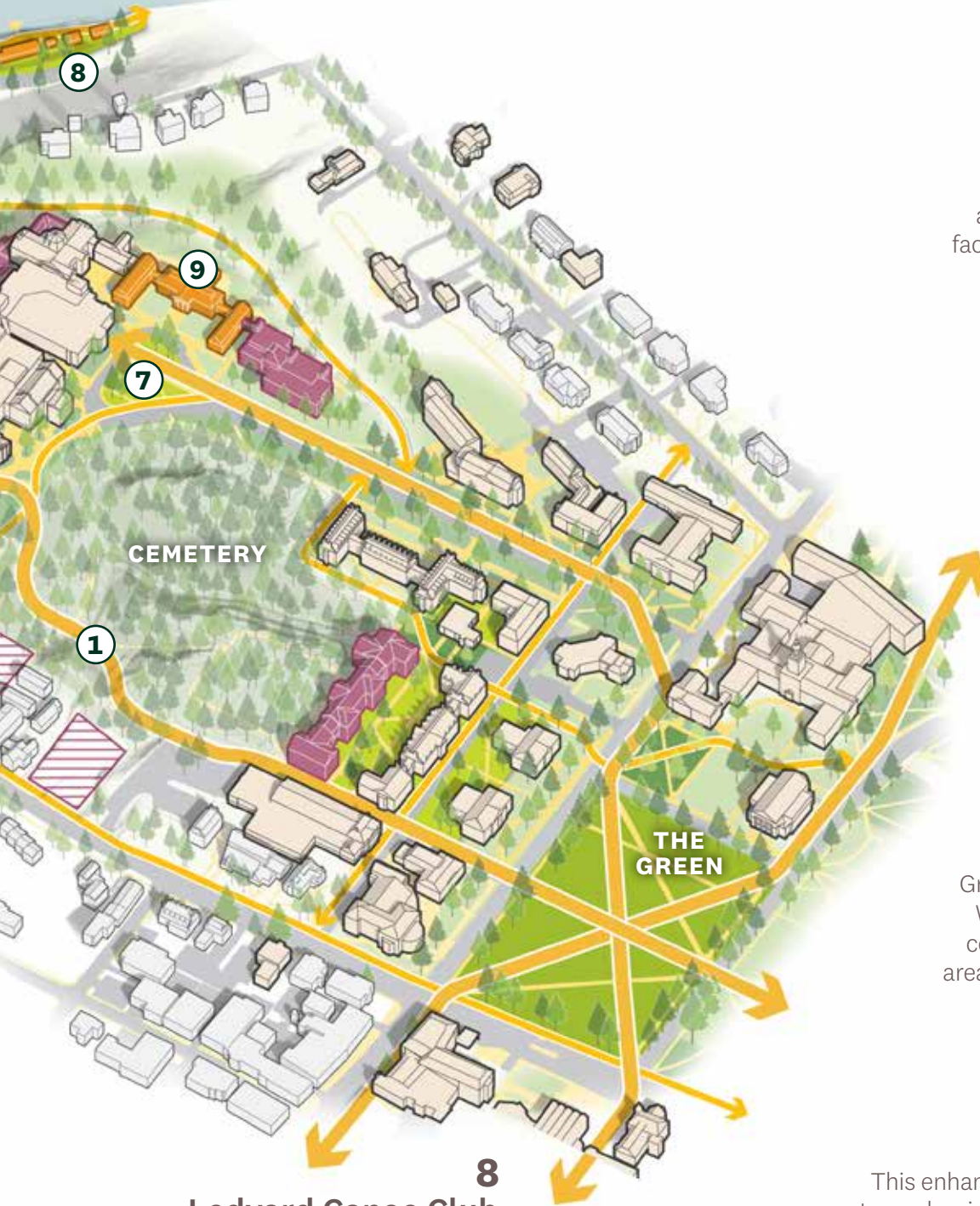
A gateway to the West End Green from the Historic Core and West Wheelock Street, this new connective landscape unites the areas between the Tuck Green and the West End Green.

## 7 Tuck Green

This enhanced and expanded open space creates a classic campus green at the terminus of Tuck Mall providing a new gathering space for the Irving Institute, Tuck, and Thayer and marking the entrance to the West End.

## 8 Ledyard Canoe Club

Improved access to the Canoe Club and riverfront with smaller-scale social spaces that provide a range of options in conjunction with Riverfront Park.







## 2 West End Green

Illustrative view of a new West End Green that would provide a central gathering space for this growing academic and residential area of campus.



Existing conditions





# 1

## Green to Blue Bridge

Illustrative view of an elevated pedestrian and bicycle bridge through the cemetery, as proposed in the 2017 West End Master Plan, to improve connectivity between the Riverfront, West End, the Historic Core, and Downtown.



Existing conditions



# 9

## Riverfront Park

Illustrative view of a renovated and expanded park that would improve the ecology of the riverfront and provide an enhanced public gathering and event space.



Existing conditions

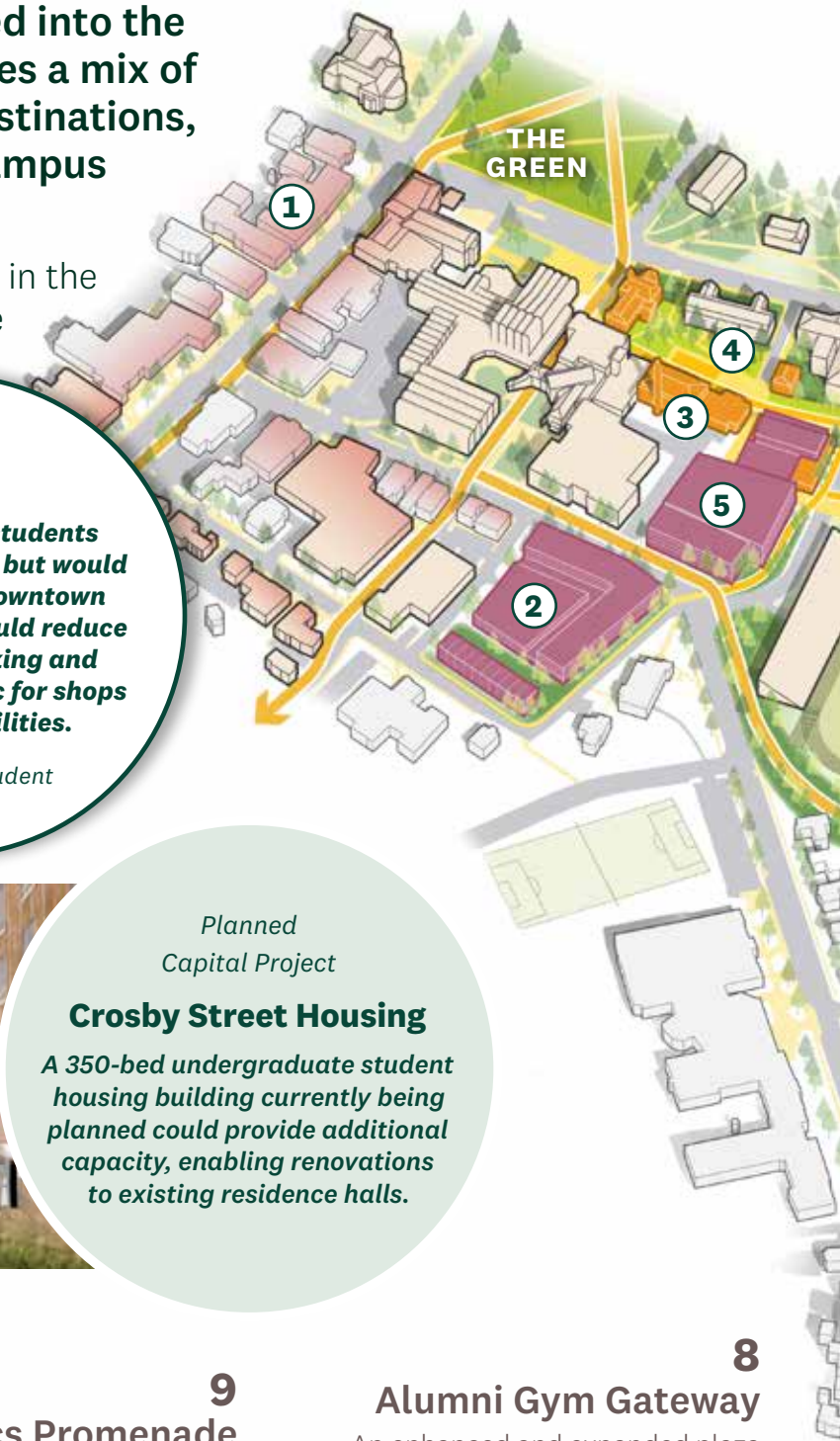


# South End & Downtown

The South End of campus, integrated into the fabric of Downtown Hanover, features a mix of uses including arts and athletics destinations, student and faculty housing, and campus infrastructure.

Downtown Hanover is an important anchor in the Upper Valley and generates a greater sense of connection to the outside world for the campus. This precinct presents opportunities to improve campus circulation, adaptively reuse historic structures, and build new housing while supporting a vibrant downtown.

“  
*Many graduate students and staff commute but would prefer to live in Downtown Hanover, which would reduce the need for parking and increase foot traffic for shops and dining facilities.*  
 — Graduate Student



Planned  
Capital Project

## Crosby Street Housing

*A 350-bed undergraduate student housing building currently being planned could provide additional capacity, enabling renovations to existing residence halls.*

10

## Park St Gateway

A gracious gateway to athletics and the campus visually connects the Leverone Fieldhouse and Thompson Arena, both historic modernist structures designed by Pier Luigi Nervi.

9

## Athletics Promenade

A new tree-lined pedestrian promenade and bicycle route between Lebanon Street and Thompson arena improves access.

8

## Alumni Gym Gateway

An enhanced and expanded plaza creates a meeting point, space for gatherings, and a welcoming gateway to the athletics area, while maintaining limited vehicular access and parking.

## 1 Downtown

The plan recommends continued dialogue with the business community and coordinated planning with the Town of Hanover to foster a thriving business district appealing to local and regional residents, students, faculty, staff, and visitors.

## 2 Sargent Block

Housing and retail development on this site could achieve several goals of the plan by providing in-demand apartment-style units for graduate students, junior faculty, and staff. Within walking distance to the Hanover Campus, this housing would also increase foot traffic to local businesses.

## 3 Powerplant, Arts & Wellness District

In the future, when the powerplant is decommissioned, this complex can be creatively adapted into arts uses, expanding the current Arts District. The McKenzie building could be adapted and expanded into a wellness facility, positioned between the core campus and athletics. Hallgarten Hall could be repurposed for a house community faculty member or other student life uses.

## 4 Vox Lane

This multi-use plaza and pathway creates a place in Downtown for events and gatherings that is a more urban counterpart to the Green, while creating a direct pedestrian and bicycle connection to the athletics area.

## 5 FO&M Site

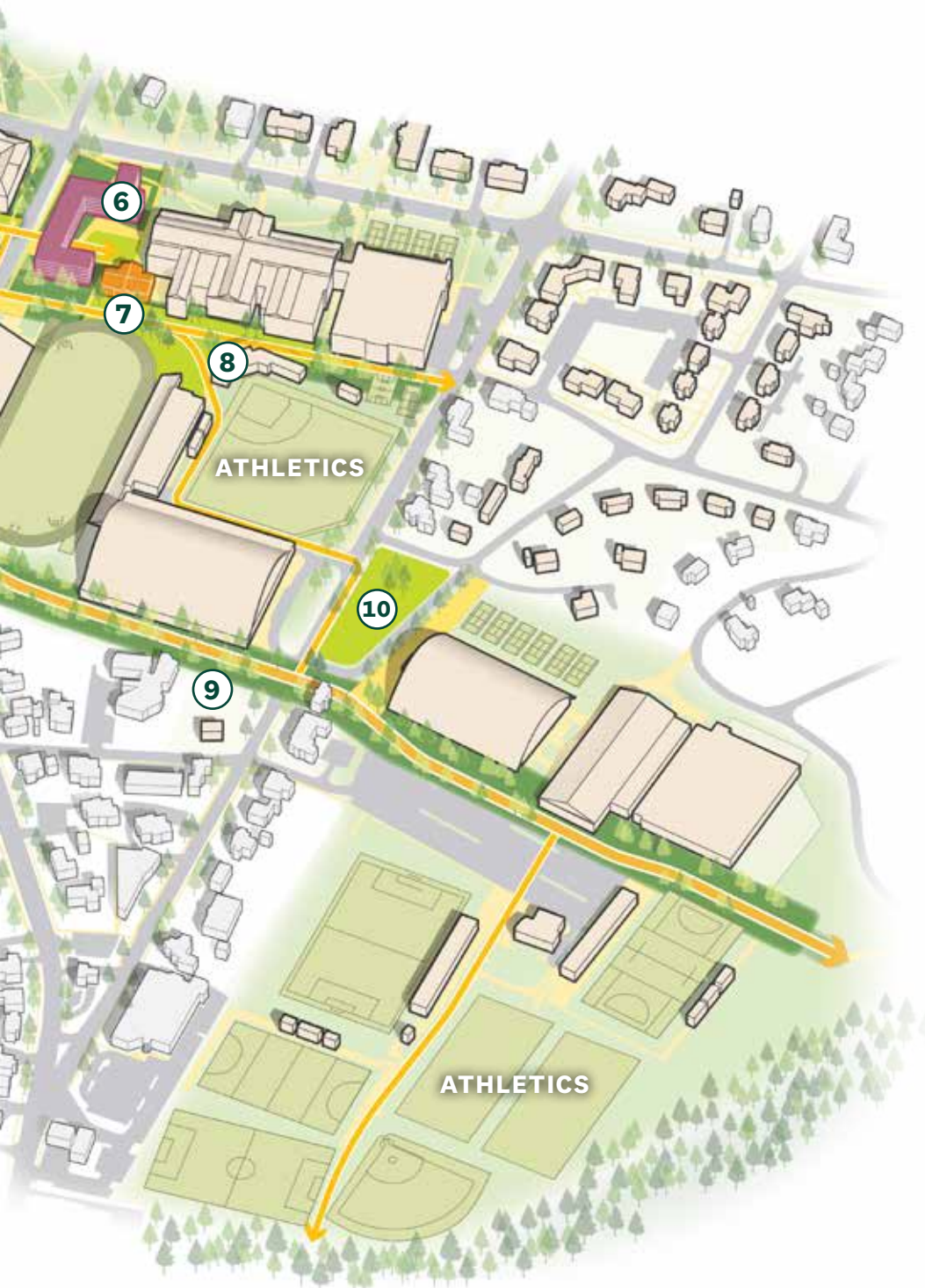
Just south of the powerplant, a new parking garage could provide parking for staff and/or visitors to campus and/or Downtown.

## 6 Crosby St Site

A site identified for a future undergraduate residence hall that fosters the mixed-use nature of the campus.

## 7 Davis House Reuse

As part of the Crosby Street housing redevelopment, Davis House could be repurposed as a student life destination for the house community.











## 2

### Sargent Block Mixed Use Housing

Illustrative view of a new activated streetscape with ground floor retail or office, bicycle facilities, and upper floor apartments for graduate students, staff, or faculty



Existing conditions



## 3 & 4

### Powerplant & Vox Lane

Illustrative view of a reimagined Vox Lane where the industrial architecture of the power plant, once decommissioned, could open onto a new event plaza and be a magnetic new home for student life, arts, community, and wellness uses. A new addition above McKenzie could provide a Wellness Center or other student life uses



Existing conditions

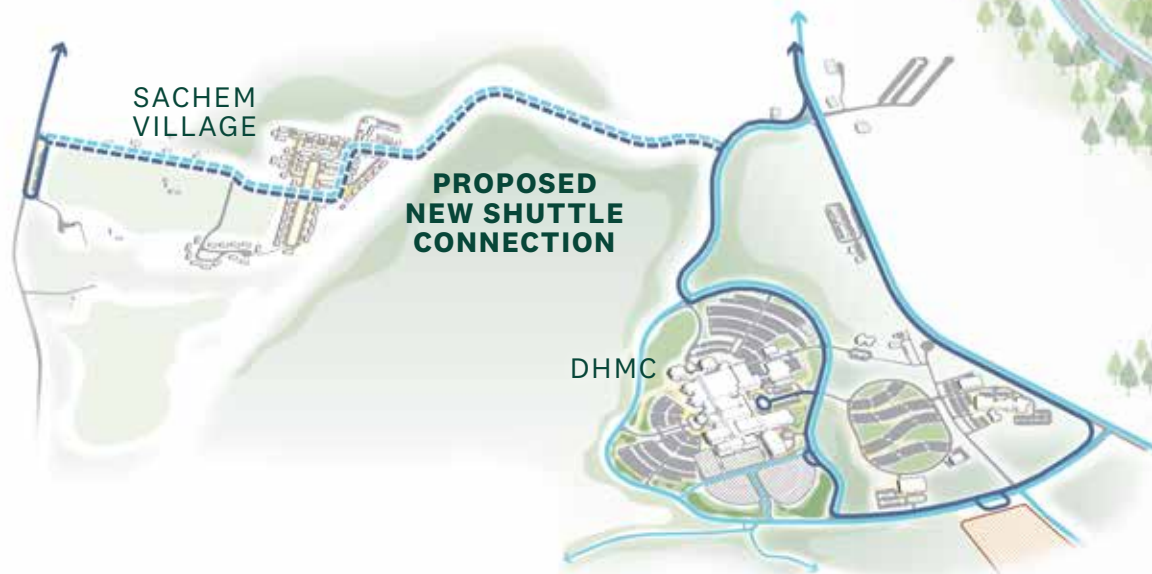


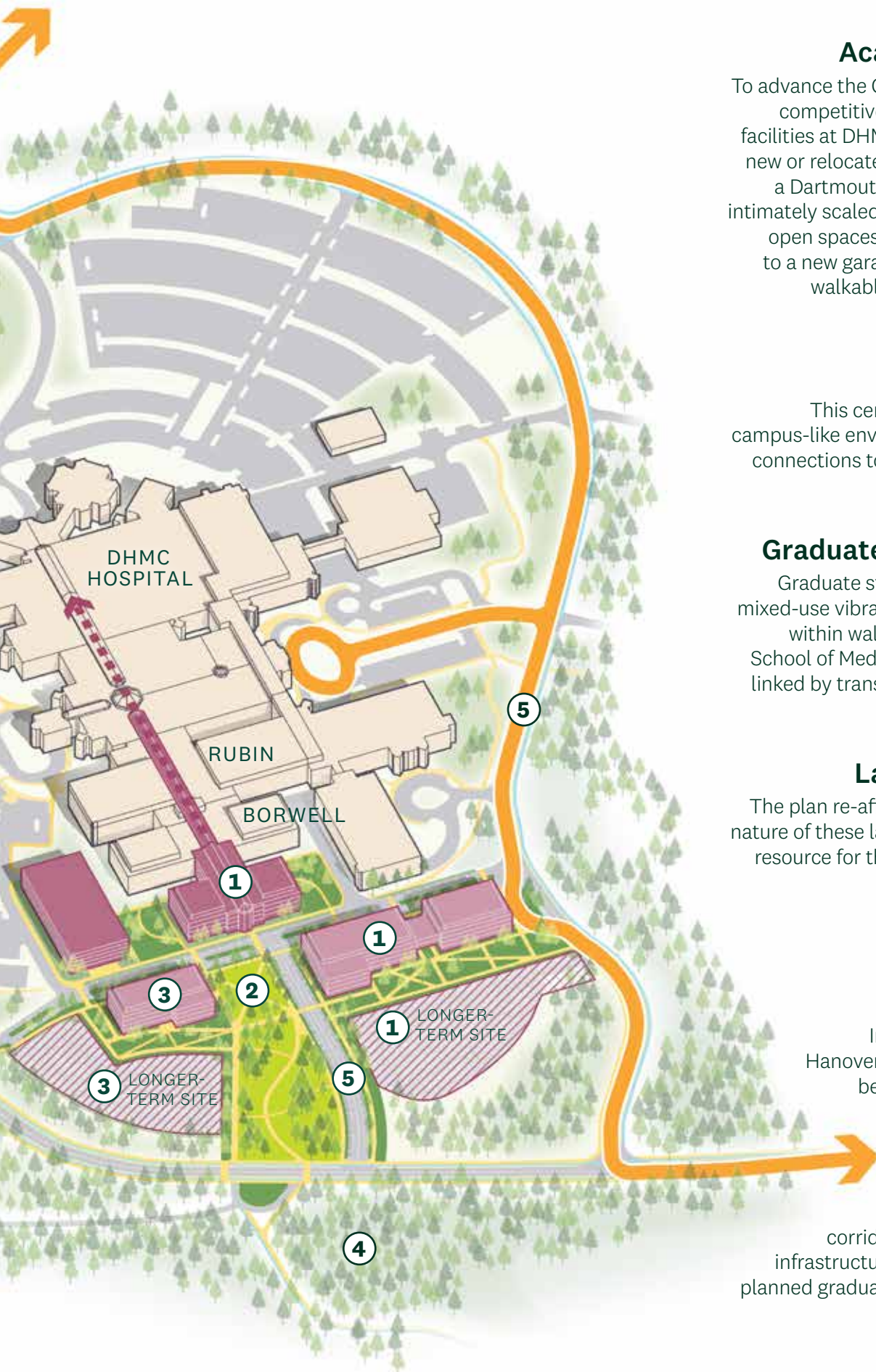
# DHMC/Sachem Village

**Dartmouth has almost 700 faculty, staff, and students working at the Geisel School of Medicine facilities at the Dartmouth Hitchcock Memorial Hospital (DHMC) and Centerra facilities as well as graduate & professional students living nearby in Sachem Village.**

Recognizing this area as an integral center of campus activity, the framework seeks to create a more campus-like sense of place, provide development options to meet emerging and future facility needs, and restructure the transit and parking system for greater connectivity between regional Dartmouth destinations.

**Graduate Student Cafe at DHMC**



**1**

## Academic Expansion

To advance the Geisel School of Medicine's competitive edge, new and renovated facilities at DHMC could provide space for new or relocated programs while creating a Dartmouth sense of place with more intimately scaled buildings and landscaped open spaces. Surface parking is moved to a new garage, opening up space for a walkable pedestrian environment.

**2**

## Geisel Green

This central green space creates a campus-like environment and opens direct connections to the adjacent hiking trails.

**3**

## Graduate Student Housing

Graduate student housing can bring a mixed-use vibrancy to this campus center, within walking distance to the Geisel School of Medicine's DHMC facilities and linked by transit to the Hanover campus.

**4**

## Landmark Holdings

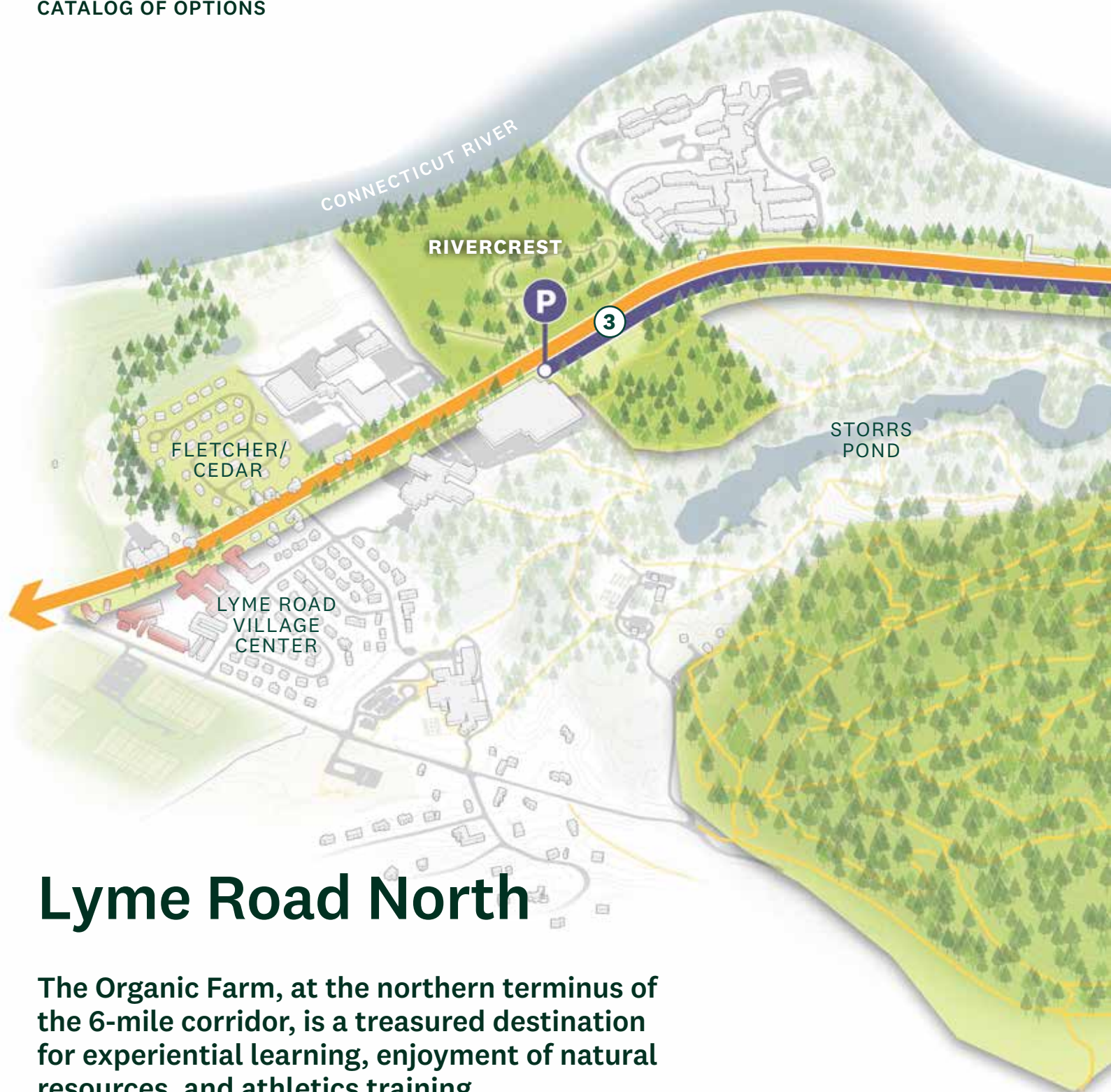
The plan re-affirms the rare and valuable nature of these lands as a hiking and biking resource for the Dartmouth and regional communities.

**5**

## Transit & Bicycle Infrastructure

Improved shuttle service to Hanover, a new shuttle connection between DHMC and Sackville Village, and expanded regional bicycle lanes are all integral to improving connectivity throughout the 6-mile corridor. This transit and bicycle infrastructure can also serve currently planned graduate student housing nearby on Mount Support Road.

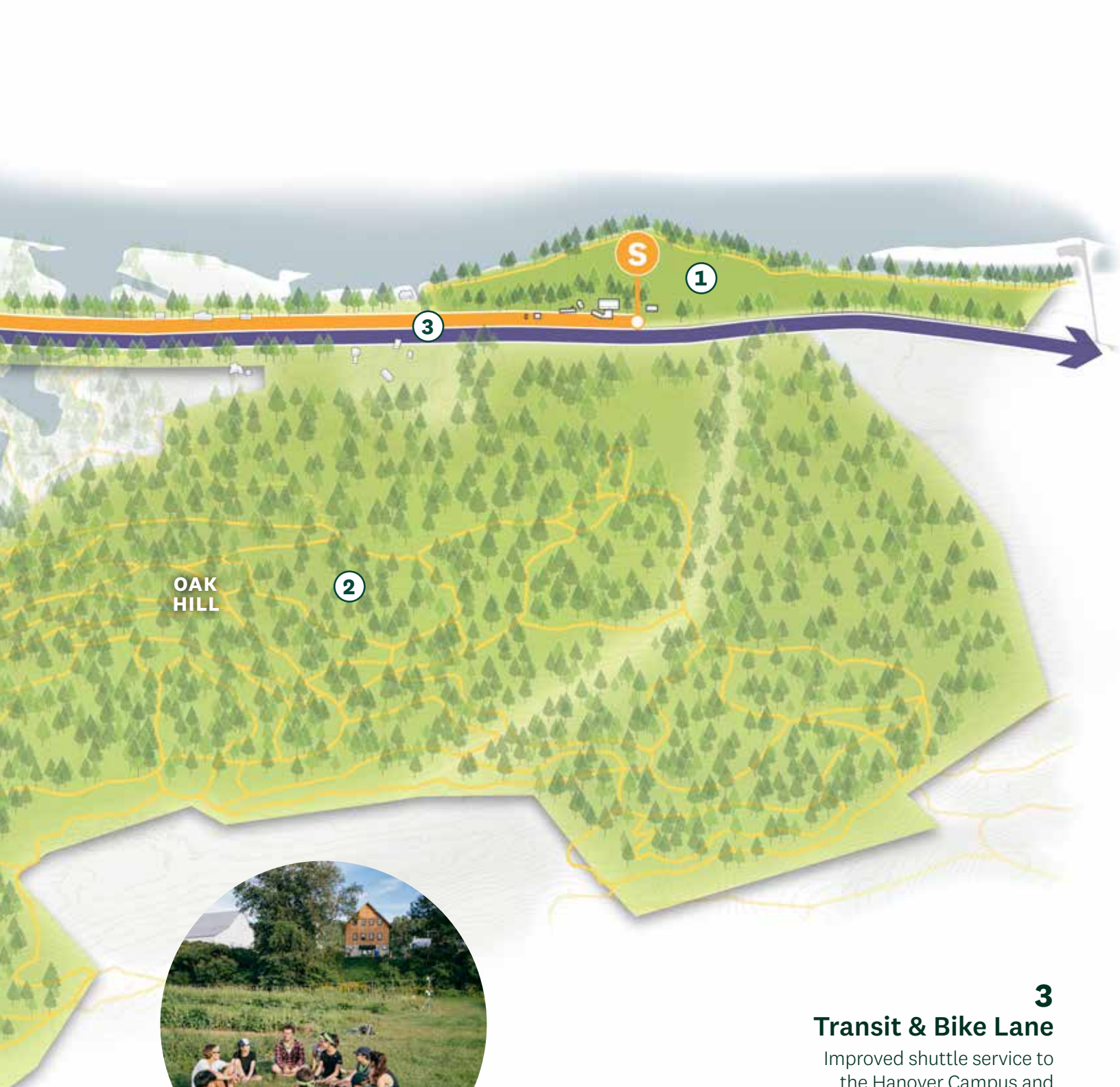




## Lyme Road North

**The Organic Farm, at the northern terminus of the 6-mile corridor, is a treasured destination for experiential learning, enjoyment of natural resources, and athletics training.**

As a center of natural beauty, the Organic Farm is a conceptual gateway to Dartmouth's nearby and remote wilderness properties. The framework seeks to improve connectivity between this area and all other destinations along the corridor, easing access to the invaluable experiences these sites offer to the Dartmouth community.



**1**

## Organic Farm

Improved access to the farm for students, faculty, and staff enhances opportunities for research, recreation, community-building, and general well-being.

**2**

## Oak Hill

This natural resource is an integral component of the Dartmouth experience, and provides opportunities for recreation, athletics training, and sustainable infrastructure, such as solar arrays.

**3**

## Transit & Bike Lane

Improved shuttle service to the Hanover Campus and DHMC, and an expanded regional bicycle network, are integral to improving connectivity throughout the 6-mile corridor. The expanded transit and bicycle corridor to the Organic Farm can also serve residents at Fletcher/Cedar and future housing development at Rivercrest.



# Mount Moosilauke & Second College Grant

**Beyond the properties along the Hanover-Lebanon 6-mile corridor, Dartmouth is the steward of thousands of acres of forested lands, natural resources, and recreational and training facilities.**

The research, academic exploration, recreation, athletics training, and community building that happen at these locations are integral and essential to the Dartmouth experience. These destinations include the Skiway, Morton Farm, Mount Moosilauke, the Second College Grant, and numerous cabins.



## Mount Moosilauke

This 4,800-acre mountainous area, including the over 4,000-foot peak, is home to the recently rebuilt Ravine Lodge and a cherished destination of historic, ecological, and cultural significance to the College. Students end their first-year trips at the lodge, cementing their earliest college memories and friendships. Faculty, staff, students, and community members alike go back for recreation or special events. The framework re-affirms the essential nature of this property to the Dartmouth experience and its value as a natural resource.

## Second College Grant

The grant, comprising 27,000 acres of forested land, is an unparalleled Dartmouth asset. The grant is an integral part of first-year trips, hosts 4,500 visitors per year in cabins, and is increasingly a laboratory for research. Sustainable timber harvest of the forest, part of its management plan, also funds scholarships for students from New Hampshire. The framework endorses Dartmouth's long history and ongoing stewardship to protect the ecology of the grant and ensure the lands are available for generations to come.



Mount Moosilauke Ravine Lodge



Second College Grant



# Next Steps

**Planning for Possibilities, Dartmouth's 30-year Strategic Master Plan, is a tool to guide the long-term as well as short-term and ongoing planning, advancement, and evolution of the campus in order to support the College's mission.**

Over the coming months and years, Dartmouth will continue engagement to build on the dialogue begun by this process. And as specific needs arise in the future, the goals, principles, and possibilities described here will serve to preserve and strengthen the enduring qualities of the campus.









# Acknowledgments

***We are sincerely thankful to the thousands of students, staff, faculty, and regional community and business members who participated in surveys, attended open houses, participated in workshops, and otherwise provided insightful and thoughtful input throughout the process.***



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