



The University of Texas at Dallas Campus Master Plan Update 2018



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Executive Summary

The Mission of The University of Texas at Dallas is:

“to provide The State of Texas and the nation with excellent innovative education and research. The University is committed to graduating well rounded citizens whose education has prepared them for rewarding lives and productive careers in a constantly changing world; to continually improving education and research programs in the arts and sciences, engineering and management; and to encouraging the commercialization of intellectual capital generated by students, staff and faculty.”

The enduring vision of UT Dallas is “to be one of the nation’s best public research universities and one of the great universities of the world.”

The purpose of the Campus Master Plan Update 2018 is to facilitate the development of the buildings, roads, infrastructure, and landscaping of the built environment that supports the University’s mission and vision. UT Dallas has recently completed a Strategic Plan to move the University forward toward the objective of becoming a member of the Association of American Universities (AAU). This strategic plan has six goals and nine strategic themes each with supporting initiatives. A majority of the targets associated with these goals and initiatives can only be achieved through an efficient and cost effective physical growth of the University.

The development of the Campus Master Plan Update consisted of three phases. The Discovery Phase, which consisted of data collection and site analysis. Numerous stakeholders and interest groups were interviewed, and their input was collected and cataloged. Additionally, suggestions and comments were received through a web-based comment platform. This input

was then shared and vetted with the Working and Executive Committees. Second was the Exploration Phase where various alternative schemes were developed and presented for comment. Detailed assessments were conducted on circulation conditions and proposed improvements both vehicular and pedestrian way improvements. Future parking structure locations were meshed with these proposed improvements. Finally, sustainable strategies were developed with a specific focus on open space. The third phase involved the development and publication of the final plan. This was achieved by multiple channels, including presentations to the campus community through town hall meetings and to the Board of Regents at a regularly scheduled meeting, through placement of the final plan and backup documents on an open access website, and then printing and distribution of a formal written document.

Executive Summary

Planning Principles

The following planning principals are incorporated into the development of this Campus Master Plan Update to support of the themes of accessibility, adaptability and livability:

- Activate ground floor of building.
- Orient buildings to optimize energy efficiency.
- Take advantage of natural characteristics of style and supplement with additional open spaces.
- Promote enhancement of informal, social collaborative, natural, temporal and event space typologies to improve campus life and experience.
- Promote compact campus to allow for future growth.
- Concentrate new academic development near the core of campus.
- Develop collaborative research district.
- Provide efficient infrastructure to support campus growth.
- Create and enhance safe and attractive pedestrian connections.
- Limit vehicular circulation I the core campus to necessary and transit vehicles.
- Provide a vehicular framework that is efficient, but minimizes impact on adjacent neighborhoods and on campus.

Elements of the Plan

The elements of this Campus Master Plan Update are:

- Charting a path forward from the current state.
- Adaptability to changing circumstances.
- Provide an integrated environment.
- Identify and protect outdoor green space.
- Increase accessibility and pedestrian pathways.
- Enhance the campus sense of place.
- Plan for sustainability and resilience.
- Provide a pleasant and welcoming environment supportive of The University’s unique culture.

Supplemental Information

Incorporated as a part of the Campus Master Plan Update are a number of Appendices, which contain valuable and informative backup information.

Real Estate Opportunities

A separate annex will be established and maintained to provide an assessment of real estate opportunities. There are several parcels of property that, the University should be proactive in acquiring to create a synergistic campus. These properties should be placed on an active watch list so that they can be acquired at the most effective cost. They can be utilized for commercial leasing until they can be developed for potential University uses. Consideration for joint use with UT Southwestern should also be a part of this ongoing strategy.

Implementation of the Plan

The Campus Master Plan Update is a dynamic tool that will shape the physical campus during the foreseeable future of campus development. Facilities Management will be responsible for the implementation of the Master Plan Update and will periodically publicize any revisions to the campus community. All future projects will be required to comply with the basic elements of the Campus Master Plan Update or receive a variance approved by the President via Facilities Management. Periodic reviews are recommended to adjust land use patterns, density program adjacencies, circulation patterns or relationship to open spaces that might affect the campus framework.

Acknowledgments

Executive Committee

Dr. Richard Benson	President
Dr. Hobson Wildenthal	Executive Vice President
Dr. Inga Musselman	Vice President for Academic Affairs and Provost
Dr. Calvin Jamison	Vice President for Facilities and Economic Development
Dr. Gene Fitch	Vice President for Student Affairs
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Naomi Emmett	President, Staff Council
Richard Dempsey	Associate Vice President for Facilities Management

Working Committee

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Dr. Denis Dean	Dean, School of Economics, Political and Policy Sciences
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Michele Hanlon	Chair Campus Facilities Committee, Associate Dean, School of Arts and Humanities
Todd Fechter	Professor, School of Arts, Technology and Emerging Communication
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JW Van Der Schans/Eric Chen	President, Student Government

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Special Thanks

City of Richardson
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Note: A separate document contains Master Plan Update appendices outlining further project details.

1. Introduction

Foreword

Enriching the Campus Experience

UTDallas has experienced tremendous growth and quickly developed an aspiring and ambitious culture of leadership, research, and innovation since its founding almost 50 years ago.

There is much to be excited about in the next phase of campus development and the ability to provide an unrivaled collegiate experience. To achieve these goals, the University has already taken a creative approach to capital investment by leveraging private partnerships to fund portions of the immediate investment required. More recently, a significant effort to develop a Master Plan Update was taken to ensure that the next chapter of UTDallas' evolution stimulates intellectual growth, supports high quality teaching, learning, research, encourages interaction, cross-disciplinary cooperation, and scholarly exchange. The following pages describe a roadmap that builds on UTDallas' strengths and plans for the decades ahead.



Purpose of the Master Plan Update

The 2018 Master Plan Update articulates the vision for the campus, and principles and plans to support that vision.

Because unanticipated opportunities may arise and priorities may evolve over time, this plan creates a flexible framework for decision making and is not intended to be overly prescriptive.

This plan recommends replacing and expanding on-campus student housing and providing additional classrooms and research labs. It also articulates a vision for a revitalized academic core, a renewed student life experience, connected and enhanced open spaces, and a balanced approach to mobility and circulation, while respecting the surrounding community context.

The plan also suggests a long term vision for the North Campus that could involve public-private partnerships and capitalize on the success of the Telecom Corridor and the Metroplex region.

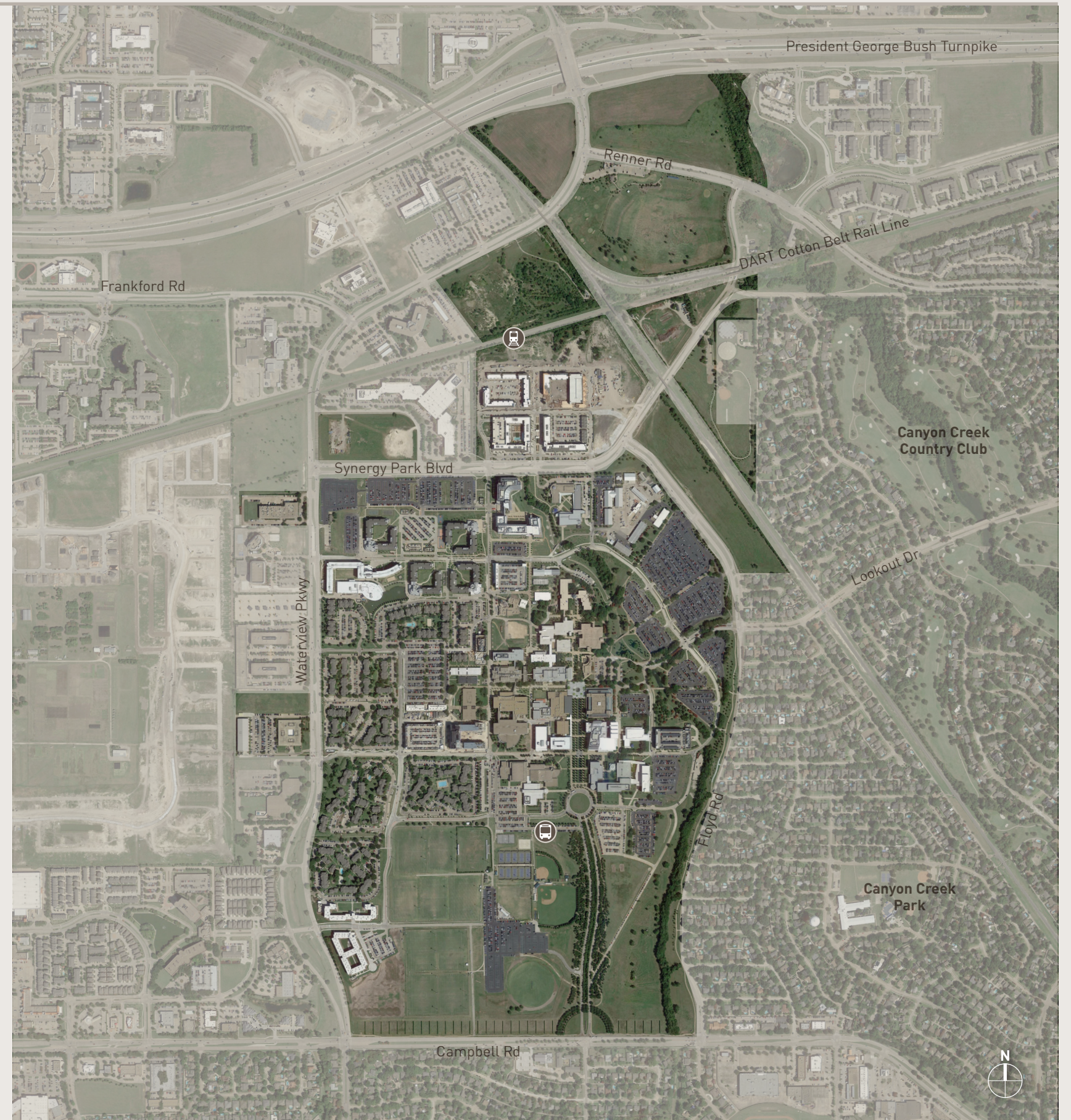
To review an electronic version of this Master Plan Update and any current addendums please visit:
<https://www.utdallas.edu/masterplan/>



DART Station



Bus Station





2. Plan Overview

Process

The planning team was charged with developing a Master Plan Update that builds upon previous planning efforts, incorporating the many projects and improvements completed, as well as those currently underway.

Previous and Current Plans Include:

- Campus Master Plan 2003
- North Campus Transit Oriented Development Plan 2009
- Campus Site Development Plan 2010

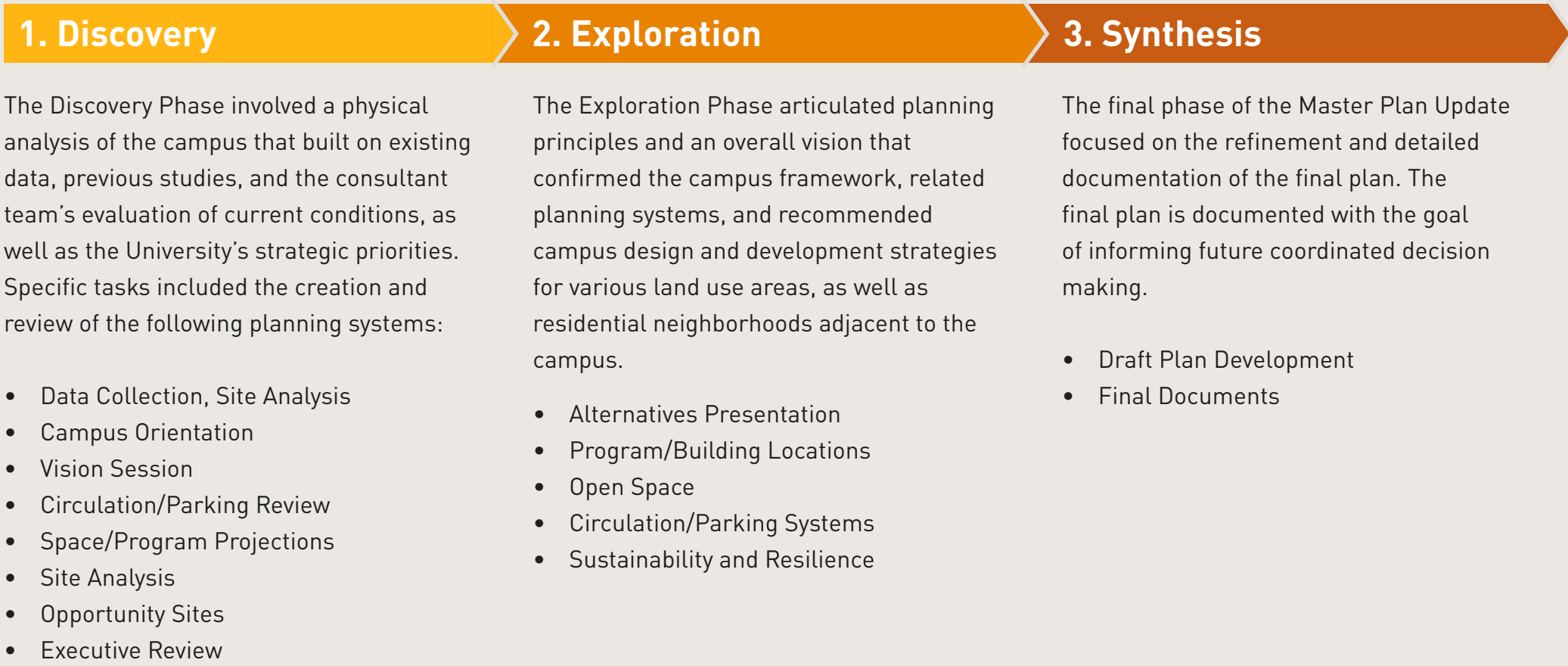
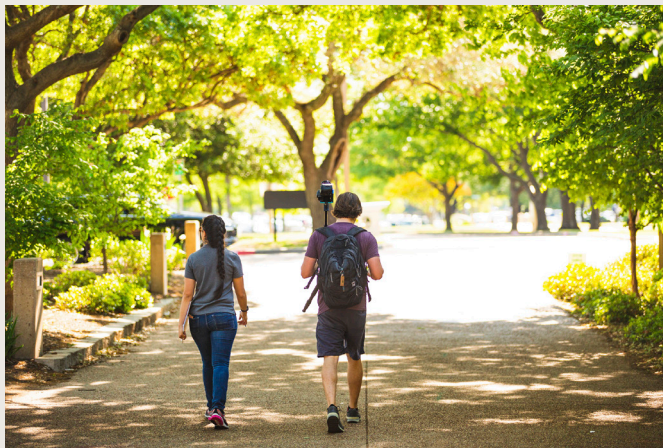
These plans are incorporated and reference into this Master Plan Update. During this six-month process, the planning team gathered data, observed and analyzed campus life, and developed concepts and plans. Two committees were established to lead and guide the master planning effort:

Executive Committee

- Charged with setting strategic direction for the master plan, and confirming proposed plans and principles.

Planning Committee

- Composed of campus stakeholders including student groups, faculty, staff, and the University’s Facilities Department, who provided day-to-day direction to the consultant team and managed the stakeholder and local community consultation with DART and the City of Richardson.



Space Needs Assessment Methodology

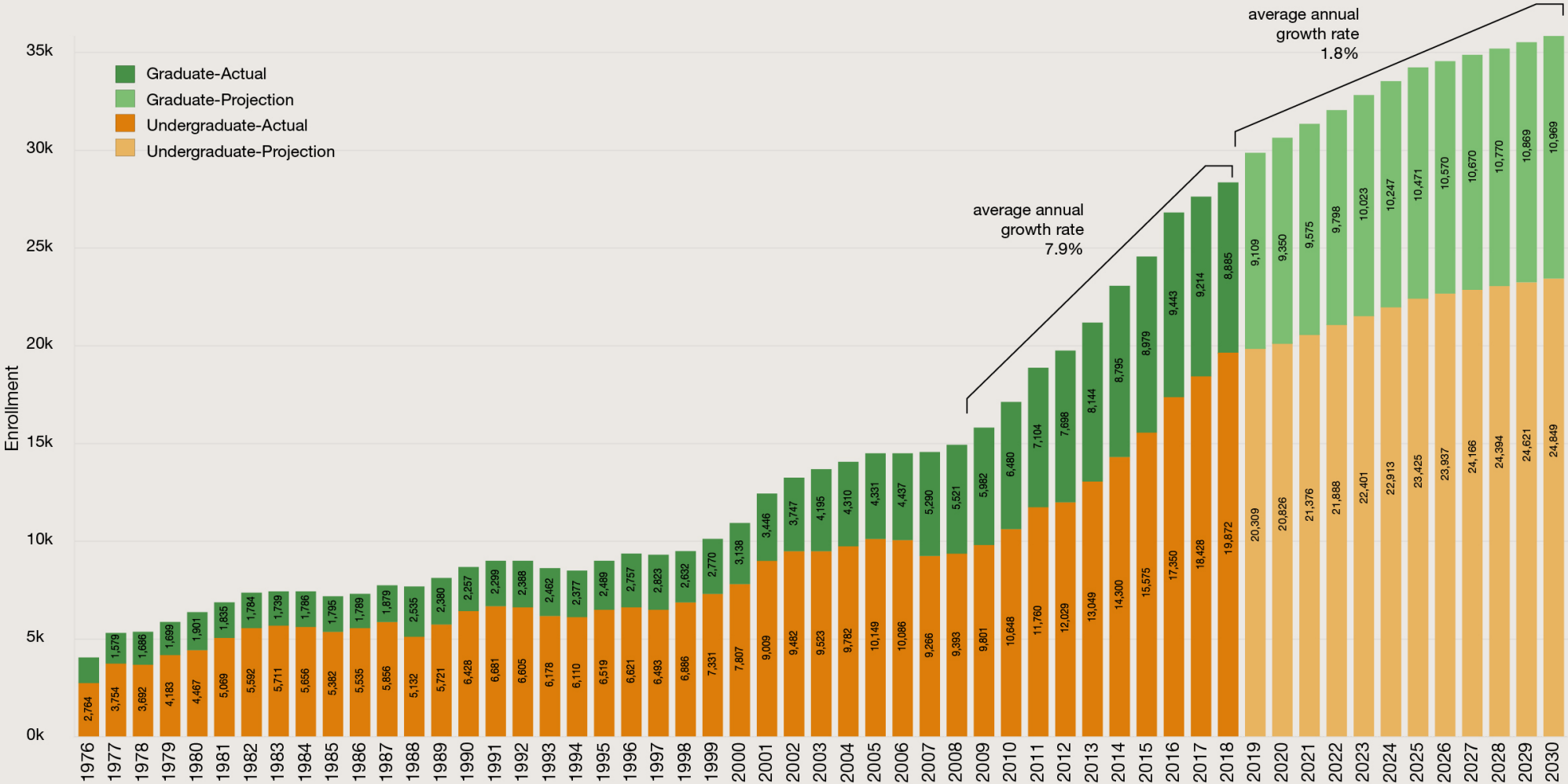
An analysis was prepared as part of the Master Plan Update process to establish current and future space needs for a variety of space types, to determine space surpluses and/or shortages, and to identify priorities for the reuse of inefficient space.

The space types assessed within the analysis included classrooms, teaching laboratories, research laboratories, office space, library and study space, athletics and recreation, student life, support, healthcare and residential spaces. Space needs were determined for a future enrollment level of 30,000 FTE/35,000 head count, based on growth assumptions provided by UTDallas.



Space Needs Assessment

2030 Enrollment Projections

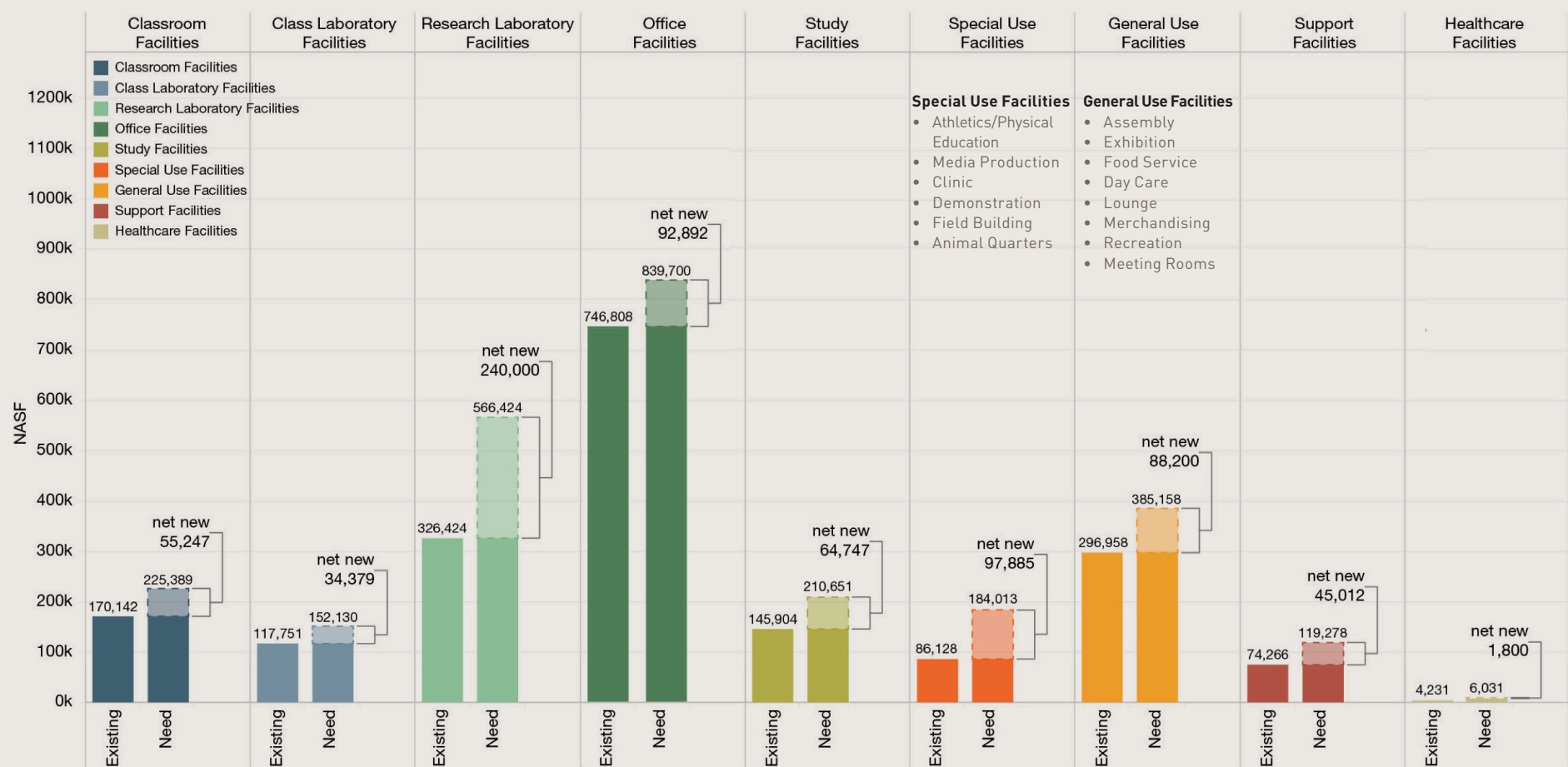


Enrollment projections are crucial for staffing, budgeting and classroom allocations as institutions rely on these numbers to anticipate future needs and plan accordingly.

Historical and forecasted enrollment data were taken from the Texas Higher Education Coordinating Board’s Enrollment Forecast for Texas Institutions of Higher Education 2017-2030 report. Actual data was provided for 2015, 2016, 2017 and forecasts were provided for 2018-2020, 2025, and 2030. An average annual growth rate of 1.8% was derived by assuming linear growth between the 2020, 2025, and 2030 projections.

Space Needs Assessment

Program Details for 30,000 FTE/35,000 Head Count



The space needs analysis shown here applies the Texas Higher Education Coordinating Board (THECB) and the Council of Education Facilities Planners International (CEFPI) space planning guidelines to quantify overall space needs.

The guideline findings were supplemented with stakeholder interviews and campus tours that captured the qualitative aspects of space. The standards were used to calculate how much space the University should have at future enrollment levels.

The net new space need is based off the delta between existing space and calculations for future enrollment levels.

Projected Program

Program Details for 30,000 FTE/35,000 Head Count

MAIN CAMPUS	SURPLUS/DEFICIT ASF	SURPLUS/DEFICIT GSF
Classroom Facilities	{55,247}	{84,995}
Class Laboratory Facilities	{34,379}	{52,891}
Research Laboratory Facilities	{240,000}	{369,231}
Office Facilities	{92,892}	{142,911}
Study Facilities	{64,747}	{99,611}
Special Use Facilities	{97,885}	{150,592}
General Use Facilities	{88,200}	{135,692}
Support Facilities	{45,012}	{69,249}
Healthcare Facilities	{1,800}	{2,769}
TOTAL	{720,162}	{1,107,942}

MAIN CAMPUS	EXISTING	FUTURE NEED	NET NEW
Housing*	6,094 beds	7,618 beds	1,324 beds
Parking **	14,167 spaces	17,709 spaces	3,542 spaces

NORTH CAMPUS	0.5 FAR	1.0 FAR	2.0 FAR
Developable Parcels	1,875,000 GSF	3,750,000 GSF	7,500,000 GSF

*0.254 beds/FTE **0.590 spaces / FTE ***Assuming 86 AC of developable land

The University has significant space deficits. To support a student population of 30,000 FTE/35,000 head count, the University needs to provide a total of nearly 720,162 assignable square feet (ASF) and 1,107,942 gross square feet (GSF).

The student learning experience extends beyond the classroom and generates a significant need for study, student life, and residential spaces. The analysis reveals a potential need for nearly 64,747 ASF of additional study space, along with 55,247 ASF of classroom facilities to support 30,000 FTE/35,000 head count. Excluding residential space, student life is one of the most significant space deficits on campus and primarily relates to the lack of an adequate student union and dining facility space.

To meet the University’s goal of maintaining housing of 0.254 beds per FTE, another 1,324 beds will be needed to accommodate 30,000 FTE/35,000 head count in the future. In the long term, Student Apartment Phases I, II, and III will be demolished and need to be replaced. The housing need includes 620 replacement beds for these facilities. The current and future space deficits by individual space category are documented on the adjacent table.

Campus Plan Strategies

Based off a thorough analysis of space needs, stakeholder interviews, and guidance from UTDallas, the following growth strategies were developed as clear and concise themes to help guide the physical design of the campus.

Strategy 1

Provide an integrated environment for teaching, living, learning and research

- Emphasize compactness to ensure long-term flexibility and growth;
- Strengthen the existing campus grid and street network; and
- Enhance adjacencies for existing and future program

Strategy 2

Increase accessibility and efficiency through smart growth principles

- Optimize campus connectivity and accessibility;
- Limit vehicular circulation in campus core by locating parking on perimeter of campus; and
- Minimize impacts on nearby residential neighborhoods

Strategy 3

Enhance the campus’s distinctive sense of place

- Enhance pedestrian safety and mobility;
- Capitalize on existing natural features and physical assets; and
- Create signature open spaces that improve campus life and experience



3. Campus Framework

Existing Campus

Implementation of this plan will have far-reaching and long-lasting impacts that help guide, improve, enhance and modernize the character of the University, while still remaining true to the mission, and core values of UTDallas.

The vision relies upon the coordination of a variety of planning frameworks including open space and landscape, access and circulation, and land and building use. Collectively, these frameworks provide the foundation for a unified and comprehensive plan that reinforces the values and goals of the University and broader campus community and creates varied and rich learning environments.

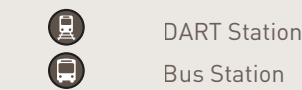


Image: Google Maps /June 2018.



Image: Aerial image of UTDallas from 2016.

Campus Framework Elements

The Campus Framework aligns four key site elements - land and building use, open space, circulation, and sustainability and resilience - to create a pattern or framework to guide future facility and infrastructure investments that will support planned enrollment growth.

These multi-faceted elements serve as an organizational guide that highlights specific themes that support the key objectives, goals, and principles of this plan and the University’s mission.

Campus Framework

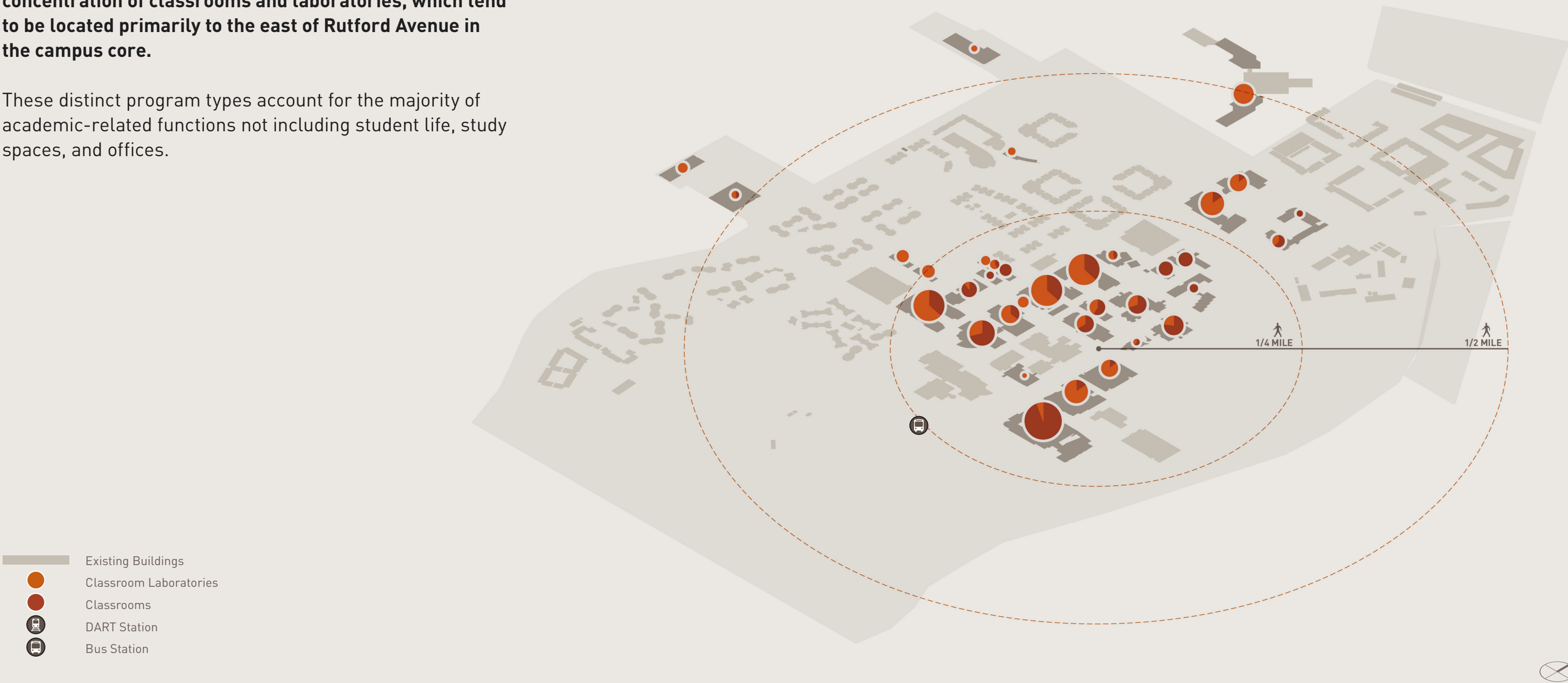


Land and Building Use

Current Density of Classrooms and Labs

The diagram shown here portrays the existing concentration of classrooms and laboratories, which tend to be located primarily to the east of Rutford Avenue in the campus core.

These distinct program types account for the majority of academic-related functions not including student life, study spaces, and offices.

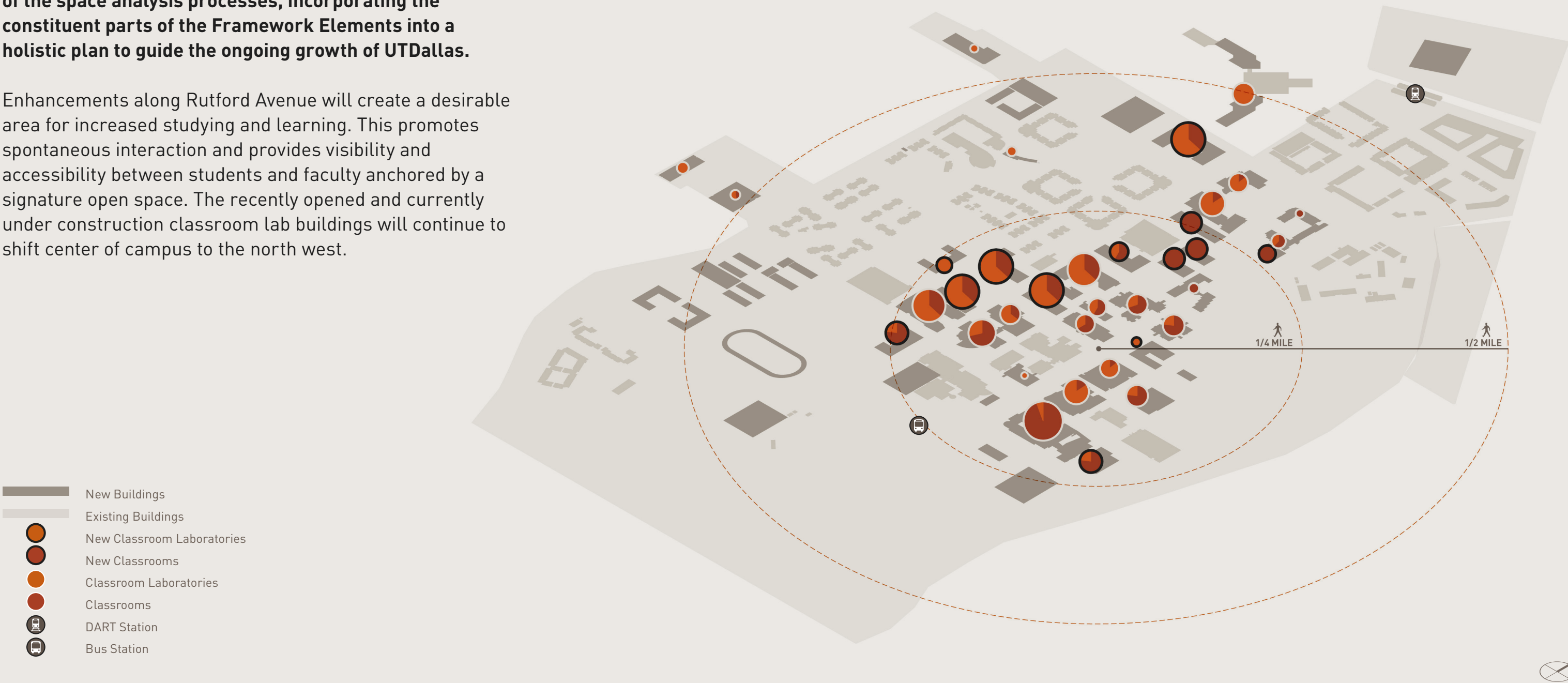


Land and Building Use

Future Density of Classrooms and Labs

The density diagram shown here reflects a culmination of the space analysis processes, incorporating the constituent parts of the Framework Elements into a holistic plan to guide the ongoing growth of UTDallas.

Enhancements along Rutford Avenue will create a desirable area for increased studying and learning. This promotes spontaneous interaction and provides visibility and accessibility between students and faculty anchored by a signature open space. The recently opened and currently under construction classroom lab buildings will continue to shift center of campus to the north west.



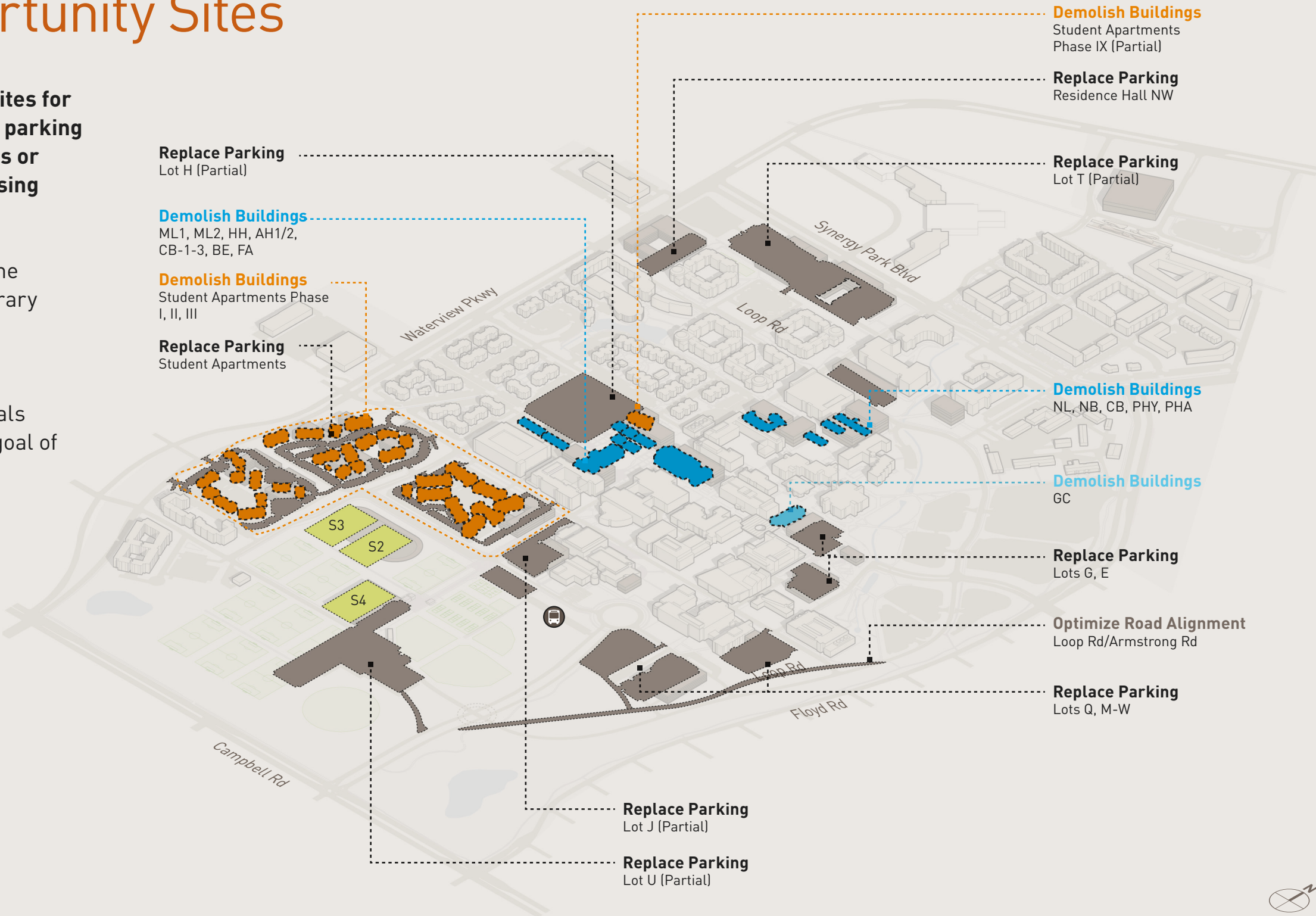
Land and Building Use

Modified Areas/Opportunity Sites

This diagram illustrates a variety of opportunity sites for new facilities or uses. Those sites include surface parking lots, underutilized sites with temporary structures or buildings in poor condition, and older student housing complexes that are in need of replacement.

The most significant modified program will be for the Student Apartments Phases I, II, and III; and temporary buildings near Lot H and between the Physics and Administrative buildings.

For longer term growth to meet the University’s goals beyond accommodating the current strategic plan goal of 30,000 FTE/35,000 head count see page 39.



Land and Building Use

Modified Areas/Opportunity Sites Details

Displacement Summary

Displaced Program 290,000 GSF

Displaced Beds 620 beds

Displaced Parking +/-2,500 spaces

Displaced Other +/-192,000 SQFT

Road Modifications +/-2,000 LFT

Displacement Detail Charts

BLDG. NAME	BLDG. ID	GSF DISPLACED
Classroom Building	CB	11,303
Classroom Building 1	CB1-3	29,358
Arts and Humanities 1	AH1-2	8,588
North Office Building	NB	6,896
Physics Annex	PHA	4,202
Modular Lab 1	ML1-2	17,556
North Lab	NL	14,267
Karl Hoblitzelle Hall	HH	31,278
Cecil and Ida Green Center	GC	15,046
Lloyd V. Berkner Hall	BE	73,388
Founders West Annex	FA	10,069
Police	PD	12,267
Service Building	SB	12,736
Safety and Grounds	SG	9,601
Facilities Management	FM	12,890
Physics Building	PHY	18,257
TOTAL		290,000

OTHER AREAS	SQFT DISPLACED
Recreation Fields 2, 3, 4	192,000 SQFT
TOTAL	+/-192,000

RES. BUILDING	BEDS DISPLACED
Phase I	200
Phase II	200
Phase III	200
Phase IX	20
TOTAL	620

PARKING LOTS	SPACES DISPLACED
Apt I, II, III	850
T	406
Lot M-East	257
H	250
Res Hall	200
J	100
G	131
E	124
Q	182
F	36
U	50
TOTAL	+/-2,500

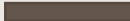










ROAD MODIFICATIONS	LINEAR FT MODIFIED
Armstrong/Loop Rd	+/-2,000 LFT
TOTAL	+/-2,000

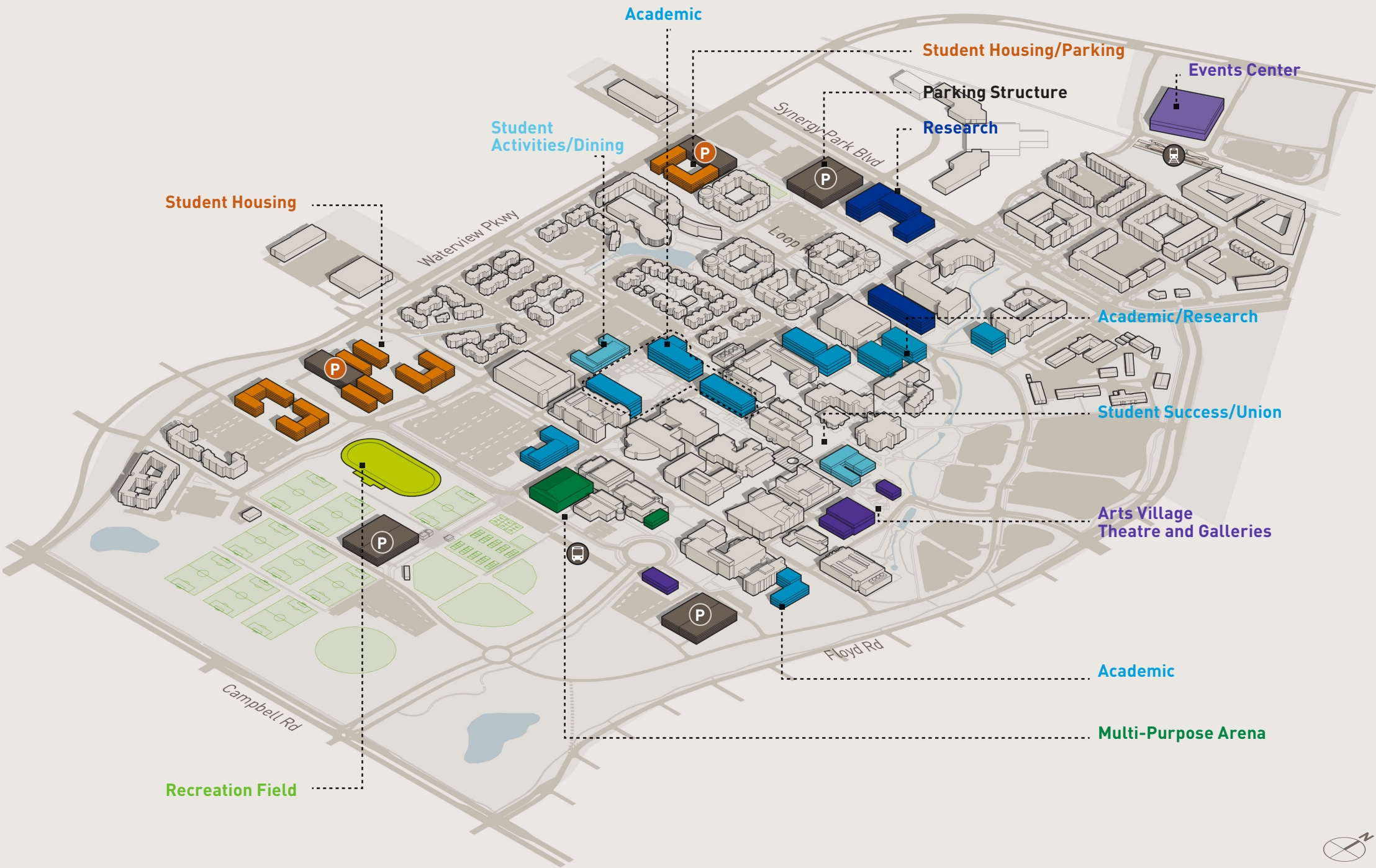
Land and Building Use

Proposed Adjacencies/Building Locations

This plan illustrates logical future building locations, accommodating the projected program for enrollment growth.

Student housing remains focused on the west side of the campus. Academic uses cluster adjacent to similar uses along Rutford Avenue. Buildings that are solely research are located in the northern portion of the academic core, just below Synergy Park Blvd. Parking structures are located at the perimeter of the developed campus, but within a convenient walk or with access to shuttle and bus service.

-  Parking Structure
-  Events
-  Student Housing
-  Research
-  Academic/Research
-  Academic/Student Success
-  Arts
-  Athletics/Recreation
-  Athletic/Recreation Field
-  DART Station
-  Bus Station



Land and Building Use

Proposed Adjacencies/Building Locations

The land use pattern resulting from future facility implementation is readily apparent in this diagram.

New academic uses are clustered in proximity to similar facilities, reinforcing a compact, walkable teaching and research zone. Student housing is located to the west and north of the academic core, with recreation uses continuing to be focused at the south of the UTDallas site. Future parking structures are found at the periphery of campus. Within the academic core are academic uses that are intended to include spaces for studying, teamwork, collaboration and other interaction important to student success.

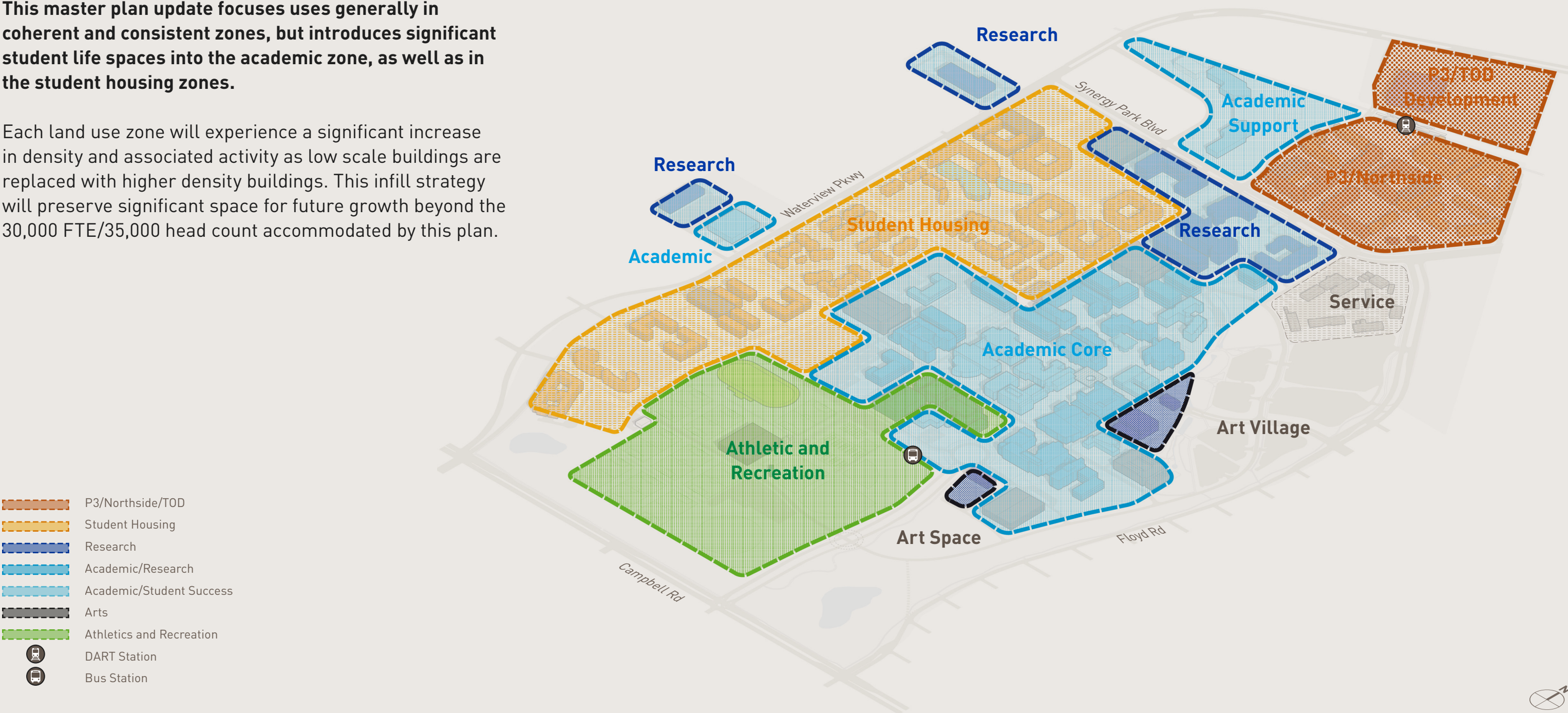
- Service
- Events
- P3/Northside/TOD
- Parking Structure
- Student Housing
- Research
- Academic/Research
- Academic/Student Success
- Arts
- Athletics/Recreation
- Athletic/Recreation Field
- DART Station
- Bus Station



Land and Building Use Campus Areas

This master plan update focuses uses generally in coherent and consistent zones, but introduces significant student life spaces into the academic zone, as well as in the student housing zones.

Each land use zone will experience a significant increase in density and associated activity as low scale buildings are replaced with higher density buildings. This infill strategy will preserve significant space for future growth beyond the 30,000 FTE/35,000 head count accommodated by this plan.



Land and Building Use

Campus Areas Details

Academic Core

- The vision for the Academic Core is to create a compact setting for teaching, learning, and student life that is walkable, memorable, and a reflection of the University's status as an emerging top-tier research institution.
- Selective replacement and infill will preserve and enhance existing campus resources while also pursuing the highest and best use of the available growth opportunities in this area.
- New buildings will replace outdated facilities on sensitively planned infill sites.
- Student life and dining facilities will be improved in the Academic Core to enhance the living and learning environment.

Arts Village

- New open spaces comprising of the Arts Village will be created in the core by replacing surface parking lots and the Green Center, helping to enrich the overall character of the campus while also improving the experience for pedestrians.

Research

- Research uses, a hallmark of the UTDallas reputation, are concentrated in the north zone of the campus for proximity and ease of access to campus and off-campus users.

Athletics District

- Fields 5 through 9, the cricket pitch, basketball, volleyball, and tennis courts, as well as the softball and baseball fields, all remain in their current locations.
- Two fields are to be relocated east of Fields 7 and 8.
- Some relocated fields displace surface parking on Lot U, which is accommodated in the proposed parking structure.

North Campus-Northside/TOD Development

- The construction of Northside Phase I in May 2015 signaled the start of campus development north of Main Campus.
- North Campus presents a long-term vision for a coordinated future mixed-use development with the ground level retail and dining.
- Open space enhancements include pedestrian pathways and a new landscaped campus gateway near the future DART Station. The area provides an opportunity for future public-private partnerships through the creation of new expanded development.
- Key to North Campus is establishing connections between the parcels to enrich the campus experience and value. These include both new and expanded sidewalks, an improved pedestrian and bicycle access along Waterview Parkway, and the extension of Rutford Avenue into a pedestrian-friendly area that provides direct access to the southern and northern parts of North Campus.

Student Housing

- The housing strategy reflects the University's goal to maintain its on-campus housing ratio as it grows to 30,000 FTE/35,000 head count.
- The University will therefore provide approximately 3,200 additional beds on both the west and portion of the core campus and North Campus.
- The plan assumes that most of the overall housing will need to be accommodated on the western edge of campus along Waterview Parkway.
- Some of the residential facilities, in particular, Phase 4-9, may eventually be redeveloped.

Service

- UTDallas' service area provides administrative and storage space for construction, renovation, maintenance, repair, utilities, grounds' care, custodial, trash, and recycling and other services for University buildings and facilities.
- The goal of the entire Facilities Management department is to create an exceptional environment that is conducive to and enhances the delivery of high-quality teaching, research, and community service.
- Over time, this area may be converted to research facilities and the service facilities moved east of Floyd Road.

Circulation

Pedestrian

The Pedestrian Circulation Framework emphasizes mobility improvements for pedestrian, bicycle, and transit systems to encourage sustainable mobility practices campus-wide.

Placing pedestrians at the top of UTDallas’ mobility hierarchy decreases the environmental and economic impact mobility has on campus greenhouse gas emissions. Strategies identified in this chapter support a high-performance transit network to access campus amenities.

- Pedestrians will have priority in the Academic Core, and vehicle circulation and parking will be diverted, to the periphery where possible.
- West campus connections are created to increase access and circulation routes.
- A more walkable, compact campus simultaneously reduces emissions and promotes exercise.
- Improved pedestrian circulation will encourage more people to embrace walking between campus destinations.

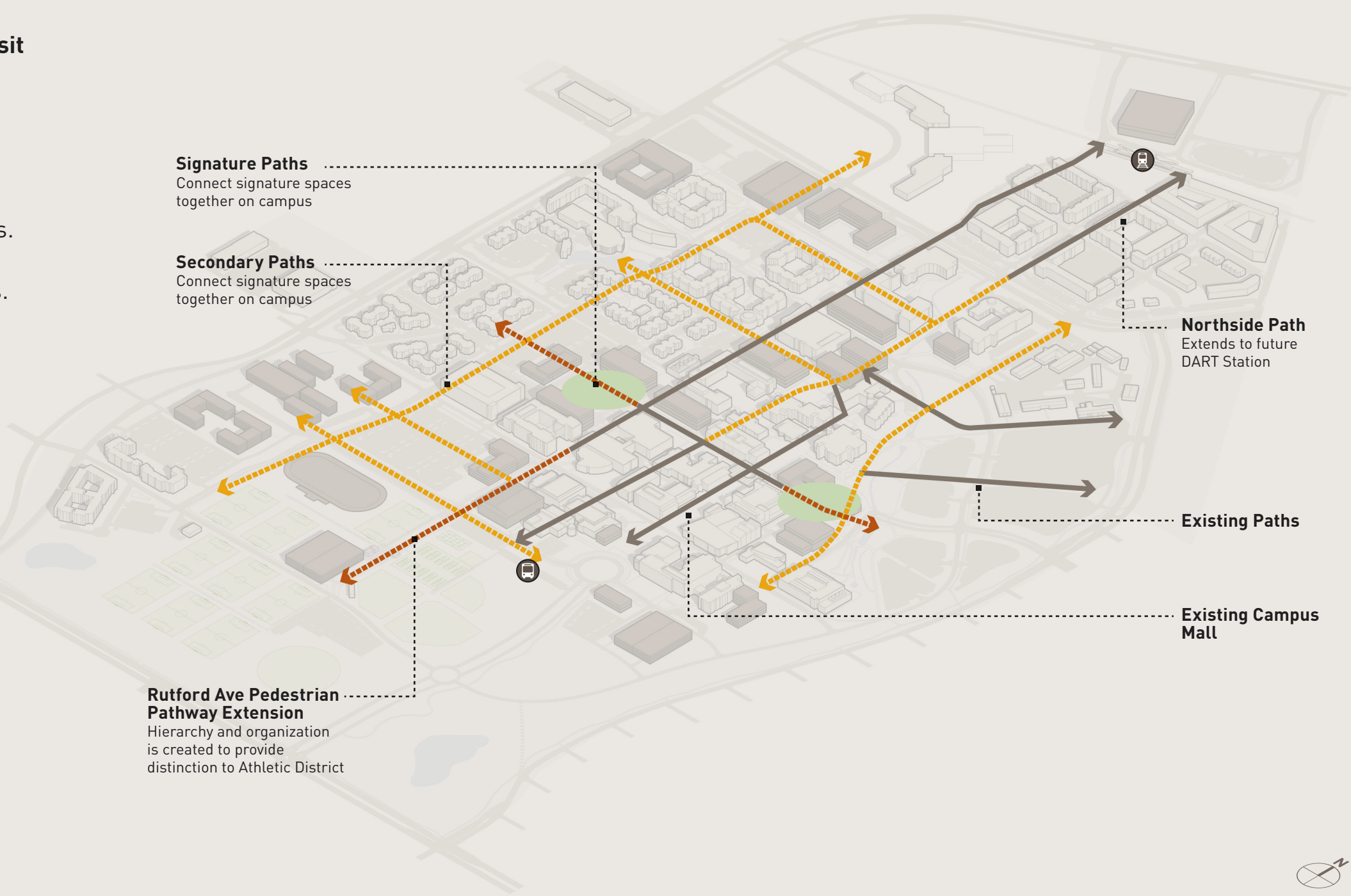
Existing Paths

Future Signature Paths

Future Secondary Paths

DART Station

Bus Station



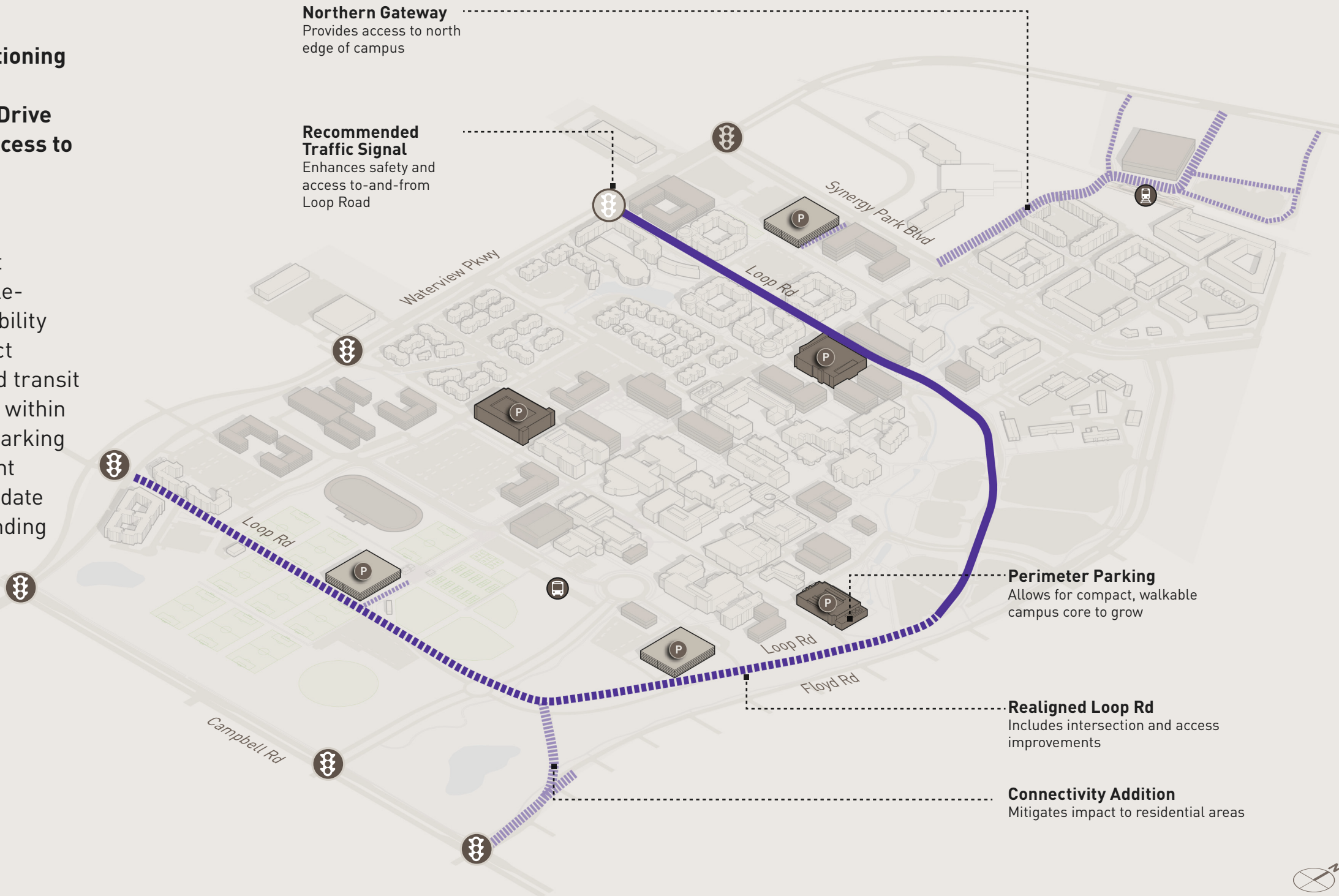
Circulation

Vehicular and Parking

One of the greatest challenges to the efficient functioning of UTDallas is moving around its large campus. Modifications to Loop Road occur south of Lookout Drive where the road will be realigned to provide easy access to existing and future parking structures.

The goal of the Master Plan Update is to create a comprehensive system of pedestrian, bicycle, transit and vehicular movement to reduce the need for single-occupancy vehicle trips, and improve overall accessibility across the campus. The plan creates a more compact campus to facilitate improved pedestrian, bicycle and transit connectivity. It also prioritizes pedestrian movement within the campus core, aligns bicycle routes with bicycle parking facilities, and creates a transit hub with more efficient routes to encourage transit use. The Master Plan Update coordinates campus mobility strategies with surrounding city and regional transportation plans and policies.

- Loop Road - Existing
- Loop Road - Improvements
- Road Additions
- Traffic Signal - Recommended
- Traffic Signal - Existing
- Parking Garage Recommended
- Parking Garage Existing
- DART Station
- Bus Station



Circulation

Transit and Shuttles

As the campus grows, transit capacity and routes will be adjusted to continue to serve the campus well.

The campus will work with DART to align routes and service frequency to serve the campus and encourage use of transit instead of single-occupant automobiles. On-campus shuttles will also expand to allow service within the interior of the campus, either on the Loop Road or on internal pathways and service roads. These routes will be adjusted and planned to serve major destinations while minimizing potential pedestrian/shuttle conflicts, although on some corridors service, bicycles, shuttles and pedestrians co-exists, at least until volumes become excessive.





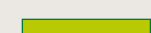



Open Space

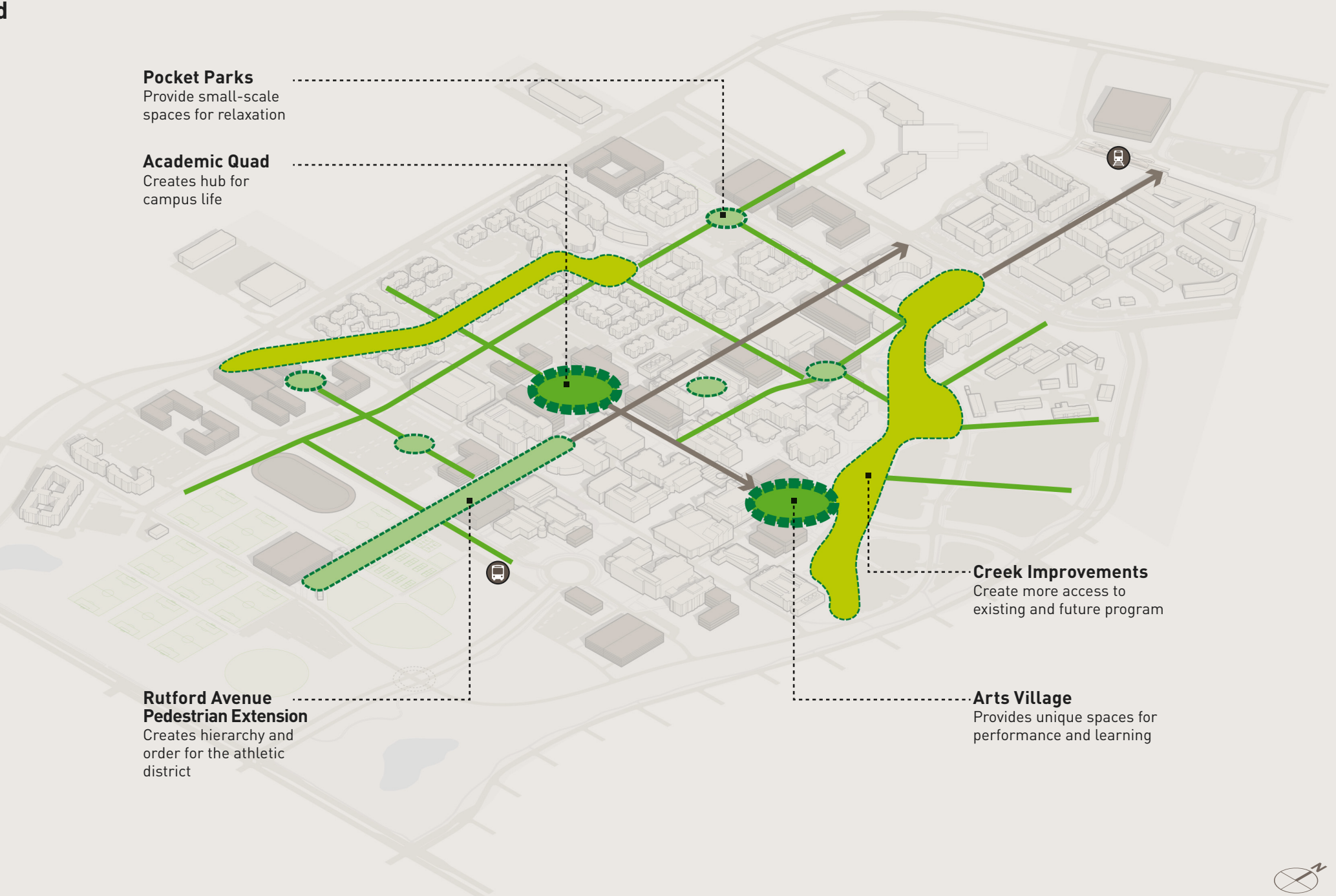
Primary & Secondary Areas

To stay relevant as the campus evolves, the plan is designed to be flexible. In the near-term, the Campus Framework identifies strategic, open-space opportunities in key catalytic projects.

The goal of the open space strategy framework is to create enduring campus places that improve outdoor comfort and contribute to campus ecology. The following strategies were integrated in the Master Plan Update, and will be further explored in the related landscape plan:

- Creation of new open spaces to support growth and further link areas of campus
- Reduction of hard-surface areas to mitigate heat island effects
- An overall increase in pervious surface areas to improve ground water recharge and stormwater management
- Creation of a new stormwater detention basin within the south campus to manage stormwater within this area of the campus
- Integration of elements such as parking gardens, bio-swales and filter strips to capture and filter rainwater
- Protection and enhancement of habitats and natural systems, with enhanced connections to broader regional systems

-  Primary Landscape Improvements
-  Secondary Landscape Improvements
-  Creek Improvements
-  Path Improvements
-  DART Station
-  Bus Station



Sustainability and Resilience Approach

The Sustainability and Resilience Framework provides UTDallas with a systems approach that thinks broadly about campus-wide policies and networks, but also focuses on smaller interventions that encourage individuals to choose sustainable practices every day.

As an academic institution, UTDallas can educate members of the campus through instructional classes, events, and informational campaigns. By supporting grassroots sustainability efforts, informal education can increase sustainability awareness as well, and can be responsive to innovative ideas.

More specific strategic initiatives can be found on the following page.



Sustainability and Resilience Strategies and Opportunities

Strategies

The Master Plan Update proposes a number of significant strategies listed below that would result in a more sustainable and resilient campus.



Academics and Research

- Promote partnerships for sustainability through enhanced adjacencies.



Green Building

- Maximize energy efficiency through east/west building orientations.
- Optimize laboratory and other high-demand program efficiencies through adjacencies.
- Apply passive strategies for orientation and envelop to reduce peak load and equipment first costs.



Transportation and Mobility

- Support Transit Oriented Development (TOD) patterns by concentrating future mixed-use development near the UTDallas-DART station.
- Create pedestrian connections to enhance walkability.
- Locate new parking on campus to intercept traffic at the campus edge to reduce internal traffic.
- Develop new buildings and pathways from North Campus to reinforce pedestrian routes to-and-from the campus core.
- Reinforce inter-system connectivity with DART, Comet Cruiser, CometCab, and make the transfer between systems seamless and convenient.



Landscape

- Establish buffers to mitigate stormwater runoff.
- Diversify uses throughout the campus to encourage walking and increased quality of campus life.
- Continue to build additional tree cover for relief against the heat.
- Enhance existing creek areas to create a campus amenity.

Opportunities

The list below is intended to generate ideas that will result in new educational, research, and community-driven actions and coalition efforts.

- Create a comprehensive Campus Sustainability Master Plan.
- Develop green building targets, sustainable procurement, and new construction standards that reference AASHE STARS report.
- Collect and compare similar energy performance data of existing projects.
- Promote collaborative, interdisciplinary research efforts to grow a sustainable culture on campus.



4. Development Plan

Illustrative Plan

UTDallas’ main campus is roughly 445 acres with an additional 265 acres of adjacent property (North Campus). Nearly 10 acres of University land is in the city of Dallas at four sites near UT Southwestern Medical Center.

- Main Campus
- North Campus
- Existing Buildings
- Future Buildings
- DART Station
- Bus Station



New Building Program Locations

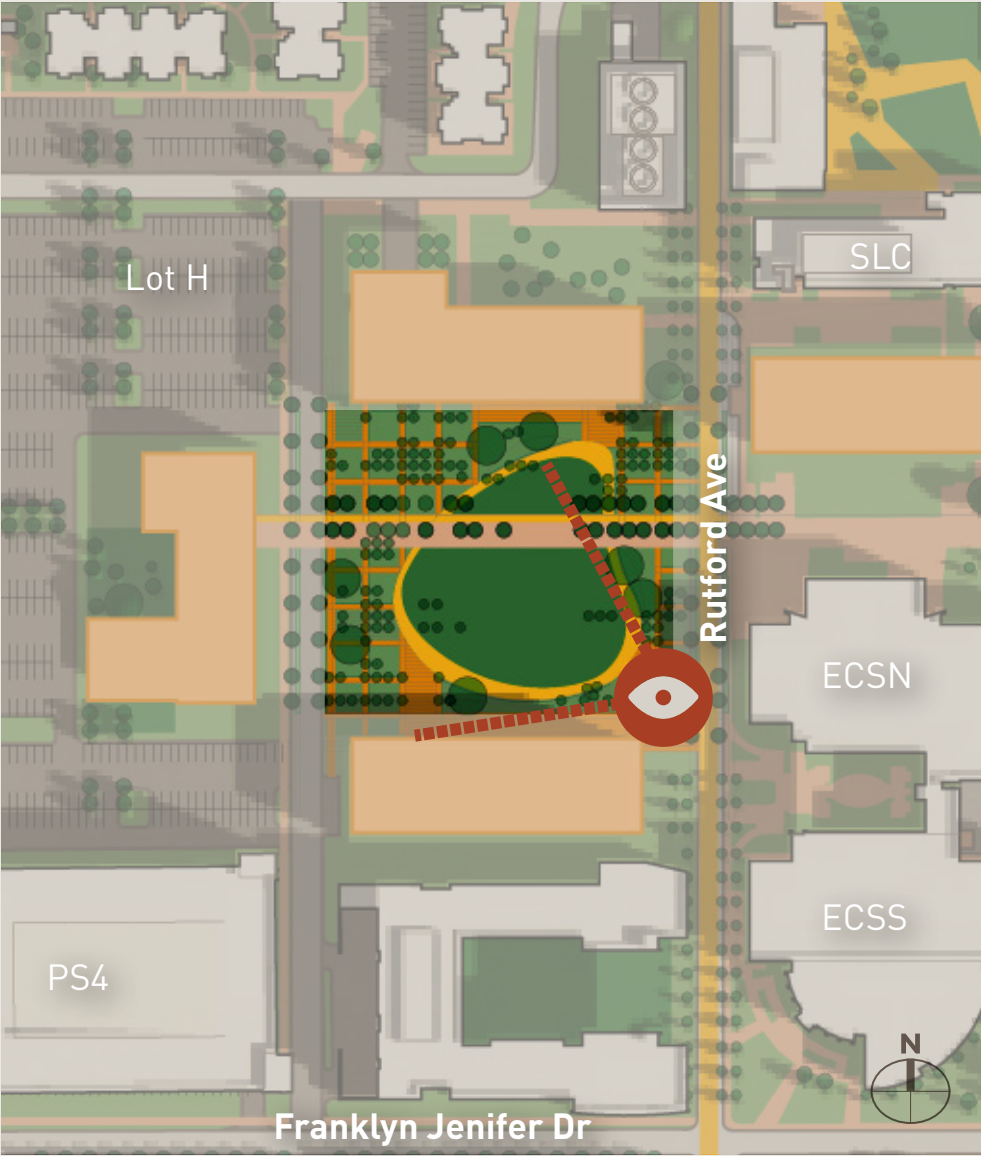
The campus capacity analysis identified areas on the main campus and proposes the locations shown here to accommodate 30,000 FTE/35,000 head count that includes a total of approximately 1,107,942 GSF of academic and administrative, library and study space, student life, and residential space including displaced program.

Development is dispersed throughout campus but primarily concentrated in and around the campus core. These facilities include new spaces selected to infill vacant or underutilized spaces and optimize development opportunities. The following diagram and program table on the following page identify how the Master Plan Update accommodates the space need at 30,000 FTE/35,000 head count.



New Open Spaces Details

Academic Quad



AC	PROGRAM
+/-6	Flexible green space, ample seating, shade, seasonal events.

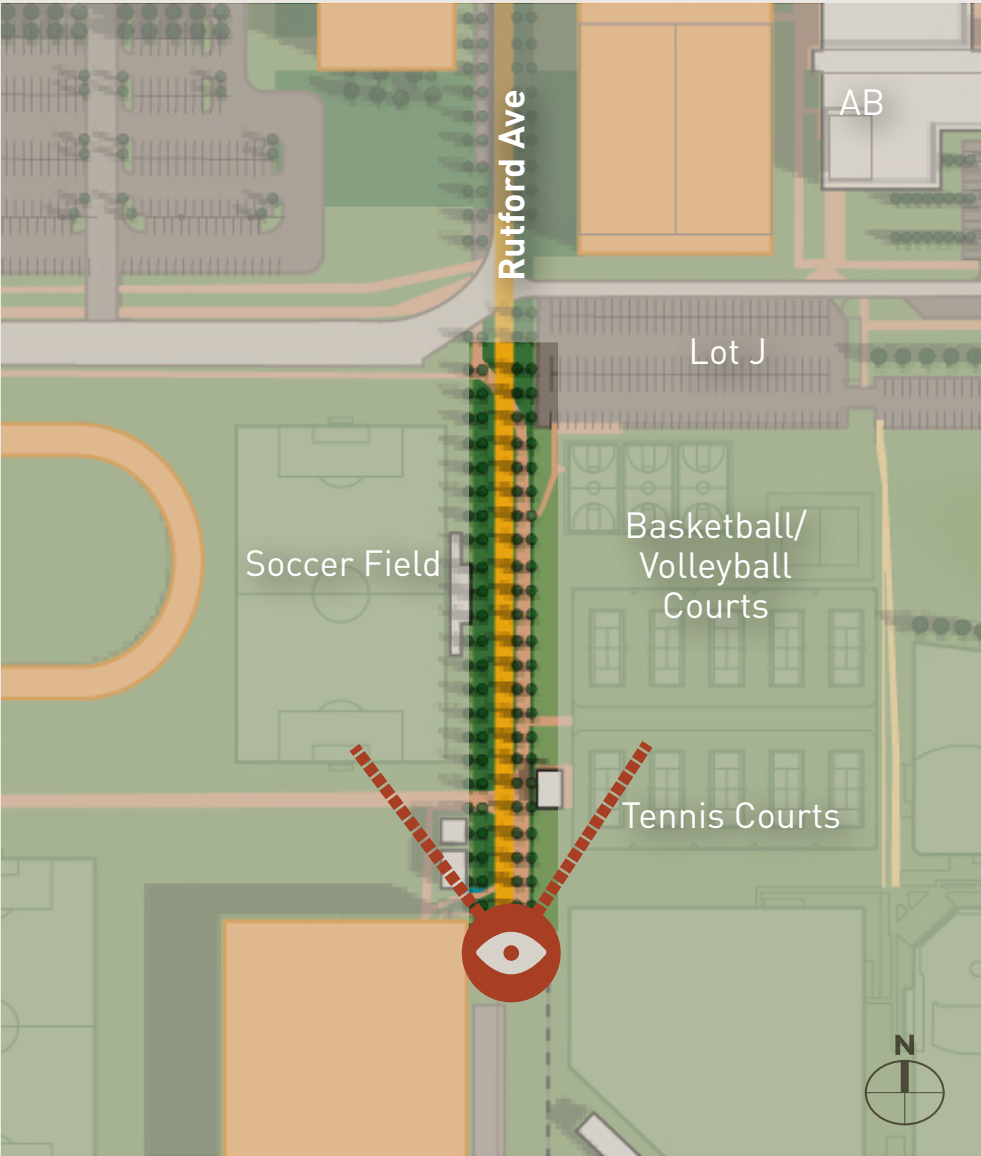
Arts Village



AC	PROGRAM
+/-3	Passive green space, highly shaded, seasonal events, flexible spill over space.

New Open Spaces Details

Athletics District



AC	PROGRAM
+/-2	Highly shaded, concession seating, campus identity/sponsorship

Campus Museum



AC	PROGRAM
+/-2	Formal green space, frames JSOM and future museum as signature campus gateway.



New Open Space Program Academic Quadrangle

The proposed Academic Quadrangle will provide much needed open space in an area of campus with significant building density. This area strengthens campus connections, and provides the campus with a greater variety of usable open space and gathering areas.



New Open Space Program Arts Village

The Arts Village is a large open space between the new arts, student success and theatre buildings. The space is currently a surface parking lot comprised of informal and circuitous pathways that do not relate to the buildings. The lack of formal organization results in unused space and

confusing orientations. This concept creates new intimate spaces that transforms an unstructured, underutilized area into the center of creative activity on campus. Its placement near the center of campus creates a visual terminus along the primary campus axis.



New Open Space Program Athletic District

The new Athletics District becomes a critical aspect of the University’s identity. By extending Rutford Avenue as a pedestrian thoroughfare into the area, the organizational hierarchy provided resolves a mixture of disjointed functions. The current and proposed athletics venues extend

the expansive green spaces and form over 70 acres of athletics and recreational space.



New Open Space Program Campus Museum

The location of a future campus museum across the road from the Naveen Jindal School of Management offers a unique opportunity to capitalize and influence the next generation of artists, business entrepreneurs and change makers. The plot of land north of the campus museum footprint offers an opportunity to expand open green space.

Long-Term Growth

The Master Plan Update proposes a strategy of increasing density in the core of the campus, while retaining sites around the periphery for development to accommodate longer-term enrollment and research growth.

These sites include surface parking lots, underutilized sites, and older student housing that should be replaced over time. By preserving peripheral areas on campus, future development of the campus will be ensured for decades to come.

Note: Alpha designation corresponds to table on the following page.

- Main Campus Long-Term Capacity Areas
- North Campus Long-Term Capacity Areas
- DART Station
- Bus Station



Long-Term Growth Capacity Details

Main Campus Capacity

PARCEL	ACRES	CAPACITY @0.5 FAR	CAPACITY @1.0 FAR
A	9	196,000 GSF	392,000 GSF
B	2	43,500 GSF	87,000 GSF
C	3	65,400 GSF	131,000 GSF
D	12	261,500 GSF	523,000 GSF
E	4	87,000 GSF	174,000 GSF
F	21	457,500 GSF	915,000 GSF
G	1	22,000 GSF	44,000 GSF
H	8	174,500 GSF	348,000 GSF
I	5	109,000 GSF	218,000 GSF
J	3	65,400 GSF	131,000 GSF
K	5	109,000 GSF	218,000 GSF
L	5	109,000 GSF	218,000 GSF
M	6	130,500 GSF	261,000 GSF
N	13	283,000 GSF	566,000 GSF
O	14	305,000 GSF	610,000 GSF
TOTAL	113 AC	2,442,000 GSF	4,884,000 GSF

North Campus Capacity







PARCEL	ACRES	CAPACITY @0.5 FAR	CAPACITY @1.0 FAR
N-A	12	261,500 GSF	523,000 GSF
N-B	27	588,000 GSF	1,176,000 GSF
N-C	26	566,500 GSF	1,133,000 GSF
N-D	8	174,500 GSF	349,000 GSF
N-E	3	65,500 GSF	131,000 GSF
TOTAL	76 AC	1,656,000 GSF	3,312,000 GSF

Long-Term Growth North Campus Framework

North Campus is located between the Synergy Park Boulevard, and President George Bush Turnpike, and Waterview Parkway. This area has the potential in the future to accommodate housing, academic, research and facilities programs and is loosely defined by a border of Waterview Parkway.

Since the University does not at this time have a solid program needing to be accommodated in this area, the initial strategy is to ensure that a sensible and flexible framework is set in place that can accommodate the variety of uses and densities that may be feasible and appropriate in the future. Ensuring convenient pedestrian, bicycle and transit access to the future DART station and to UTDallas to the south are key considerations. Vehicular, bicycle and pedestrian circulation can help set a parcel plan that accommodates a variety of uses that will be determined over time.

- **TOD Development Area** building footprints are for reference only.
- **Connective Street Network** provides structure for future development areas
- **Multi-Use Pedestrian Paths** framework provides frontage, density, and organization.
- **Flexible Parcels** framework provides frontage, density, and organization

-  New Building Footprints
-  TOD Speculative Development
-  Main Campus Parcels
-  North Campus Parcels
-  Other Parcels
-  DART Station



Implementation

The Master Plan Update is a dynamic tool that will shape the physical campus during the next period of development.

As the 2018 Master Plan Update began, several projects were already in planning, design, or construction phases, including the Northside Phase II, Engineering Building, and Sciences Building.

The following directives describe general procedures for administration and maintenance of the master plan, so that planned development continues to support the frameworks described in this report:

- Facilities Management will be responsible for the implementation of the Campus Master Plan Update and will periodically publicize any revisions to the campus community.
- All projects are required to comply with the basic elements of the Campus Master Plan Update or receive a variance approved by the President via Facilities Management.
- Periodic reviews are required to adjust land use patterns, density, program adjacencies, circulation patterns, or relationships to open space that might affect the Campus Framework.

