

UNIVERSITY OF FLORIDA

Campus Trails Master Plan

Final Master Plan

May 2020



THE UNIVERSITY OF FLORIDA

CAMPUS TRAILS MASTER PLAN

MAY 2020

prepared by:

CHW Professional Consultants

UF | UNIVERSITY of
FLORIDA

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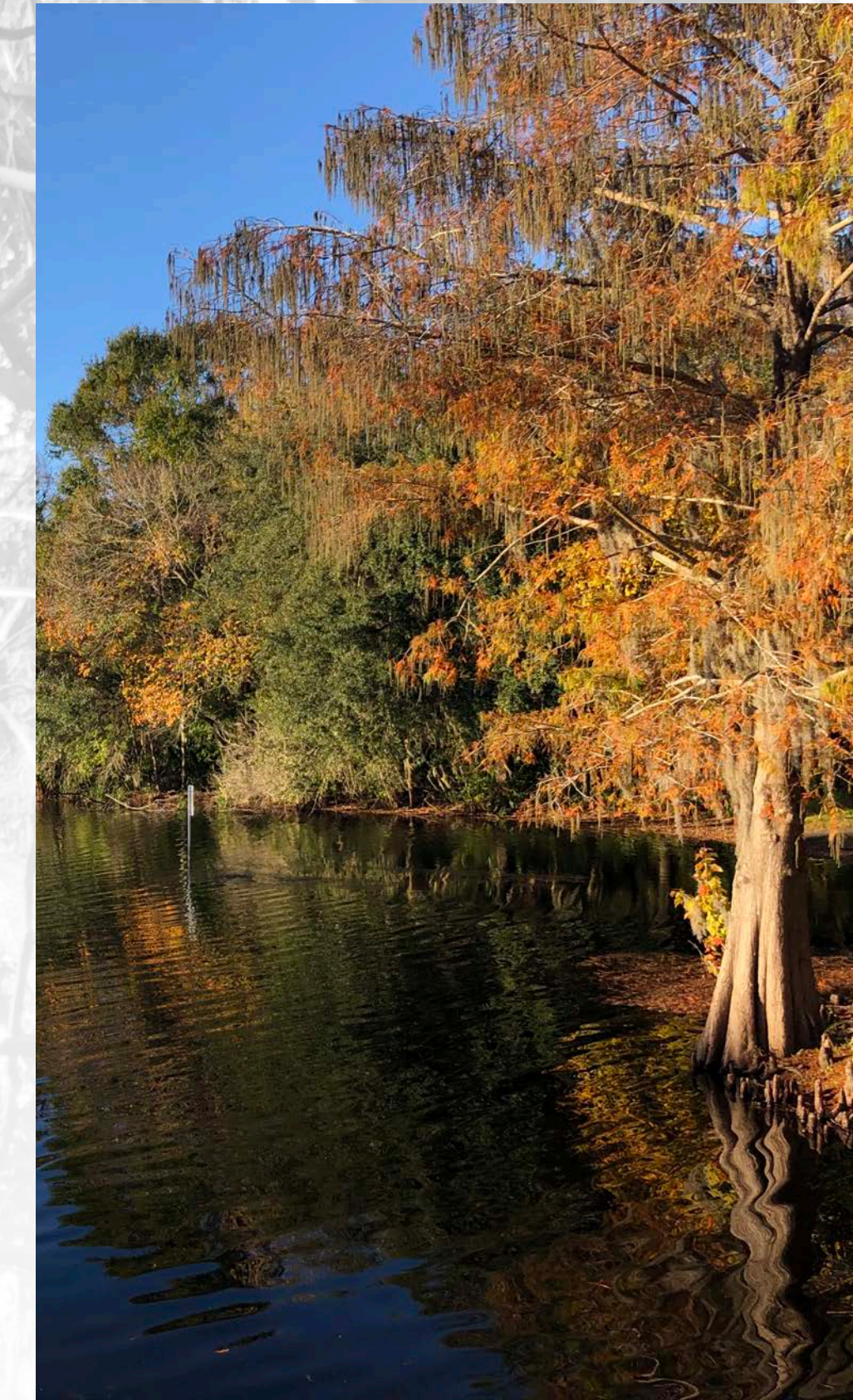
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TABLE OF CONTENTS

SECTION 1:	INTRODUCTION	4
	Project History & Background	5
	Project Process Overview	7
SECTION 2:	INVENTORY & ANALYSIS	10
	Regional Context	13
	Campus Context	14
	Existing Campus Trails & Open Space	15
	Stakeholder Meetings	17
	Opportunities & Connections	19
	Project Mission & Goals	21
SECTION 3:	TRAILS MASTER PLAN	24
	Lake Alice & West Campus	27
	Lake Alice & East Campus	41
SECTION 4:	IMPLEMENTATION & RECOMMENDATIONS	48
	Design Considerations	51
	Trail Loops	54
	Materials	55
	Priorities	61
SECTION 5:	APPENDICES	64
	Cost Estimates	65



A blue-tinted landscape photograph of a lake. In the foreground, several trees are reflected in the water. In the background, a building is visible through the trees. The overall scene is serene and calm.

SECTION 1

INTRODUCTION

PROJECT HISTORY & BACKGROUND

The **Campus Trail Master Plan** is a result of the 2015-2025 Campus Master Plan, the 2016 Strategic Development Plan, 2018 Landscape Master Plan Report, and the 2019 Campus Framework Plan.

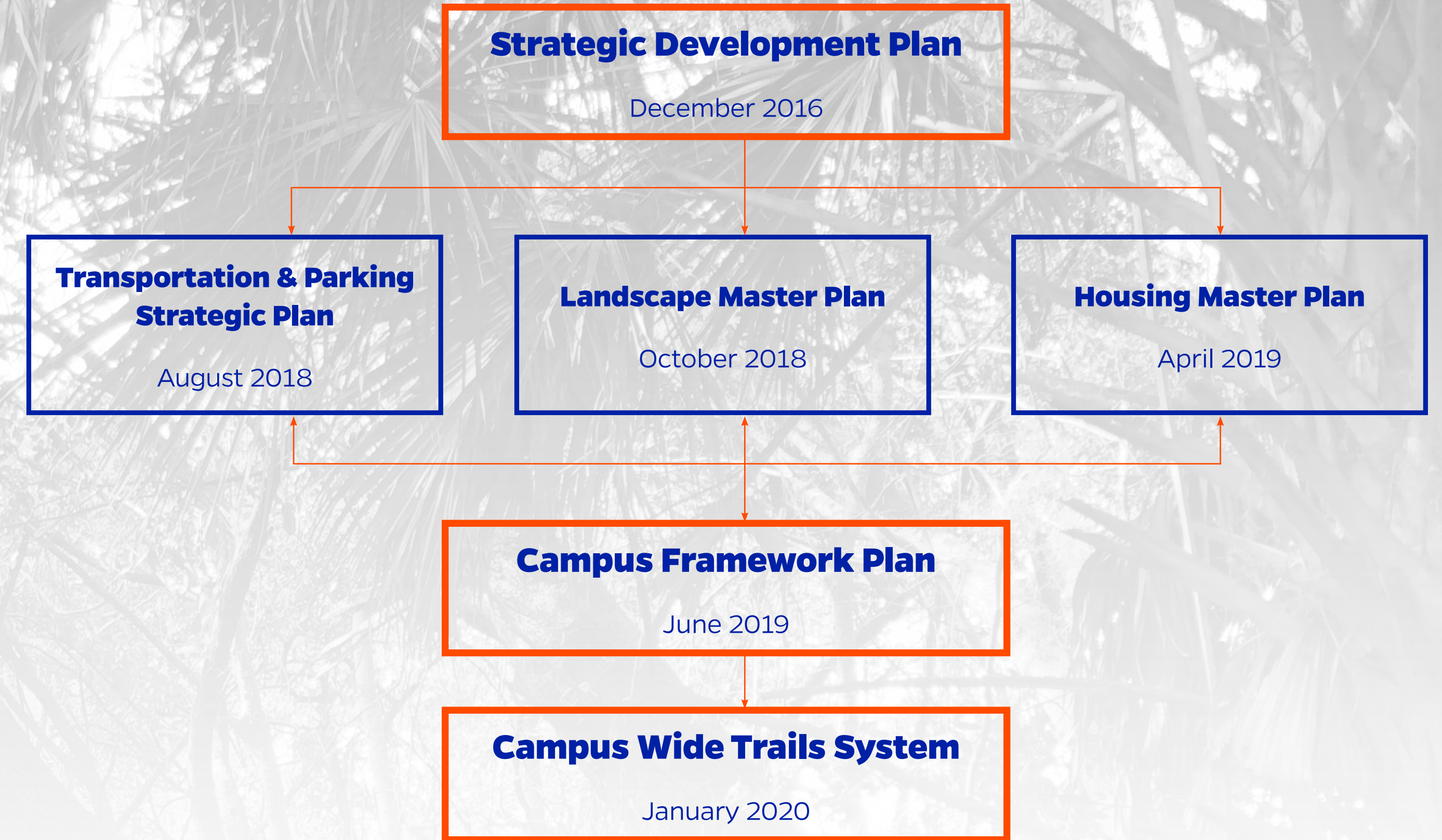
In 2016, the University of Florida, put together a Strategic Development Plan which outlined the principles which will guide the growth and planning of the University for the next five decades. The Strategic Development Plan seeks to define the University's **pathway to preeminence** and identifies ways to connect the University with it's host City of Gainesville.

From these Strategic Master Plan efforts came the Transportation & Parking Strategic Plan (2018), Landscape Master Plan Report (2018), and the Housing Master Plan (2019). In order to synthesize the information gathered in these reports, the University also put together a Campus Framework Plan in 2019.

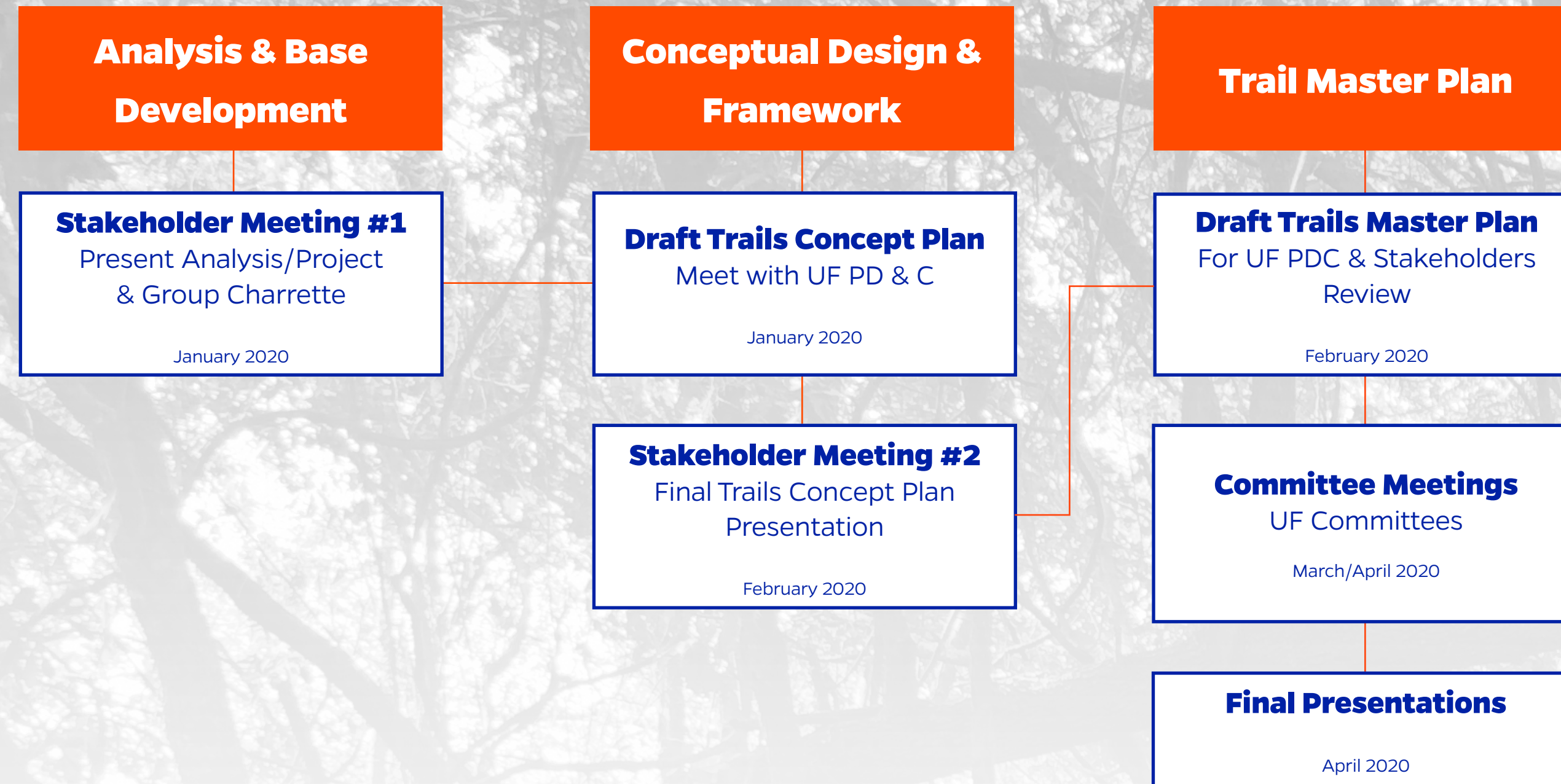
The Campus Framework Plan "identifies priority projects, ties future decision-making to the University's unique physical environment, synthesizes the work of complementary studies, and guides updates to the University's official master plan." (*Campus Framework Plan, Pg. 2*)

As part of the UF Campus Framework Plan efforts, five framework themes were outlined, one of which was "Open Space and Infrastructure." Based on this framework theme, four initial ideas were developed. One of these ideas was the idea of **centering campus around Lake Alice**. Within the Campus Framework Plan, a conceptual diagram was prepared which demonstrated this idea.

In 2019, CHW was engaged by the University of Florida to expand upon this concept and develop a **campus-wide Trails Master Plan**.



PROJECT PROCESS OVERVIEW





SECTION 2

INVENTORY & ANALYSIS

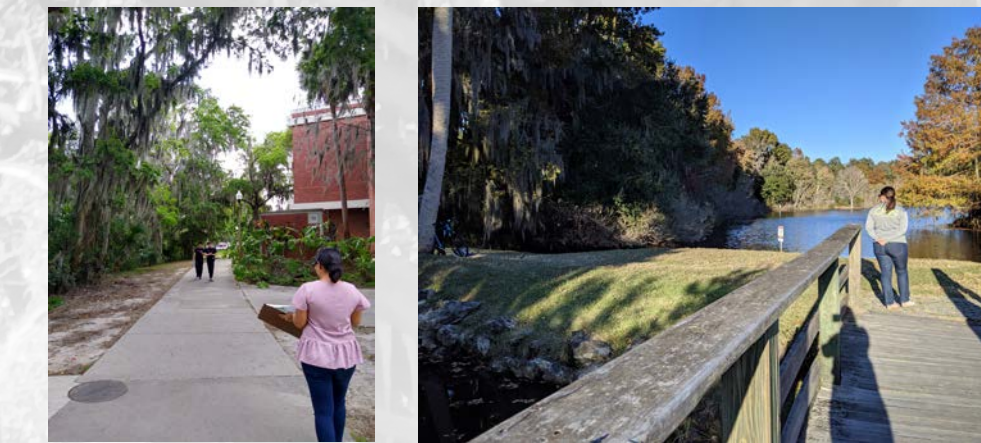


INVENTORY & ANALYSIS

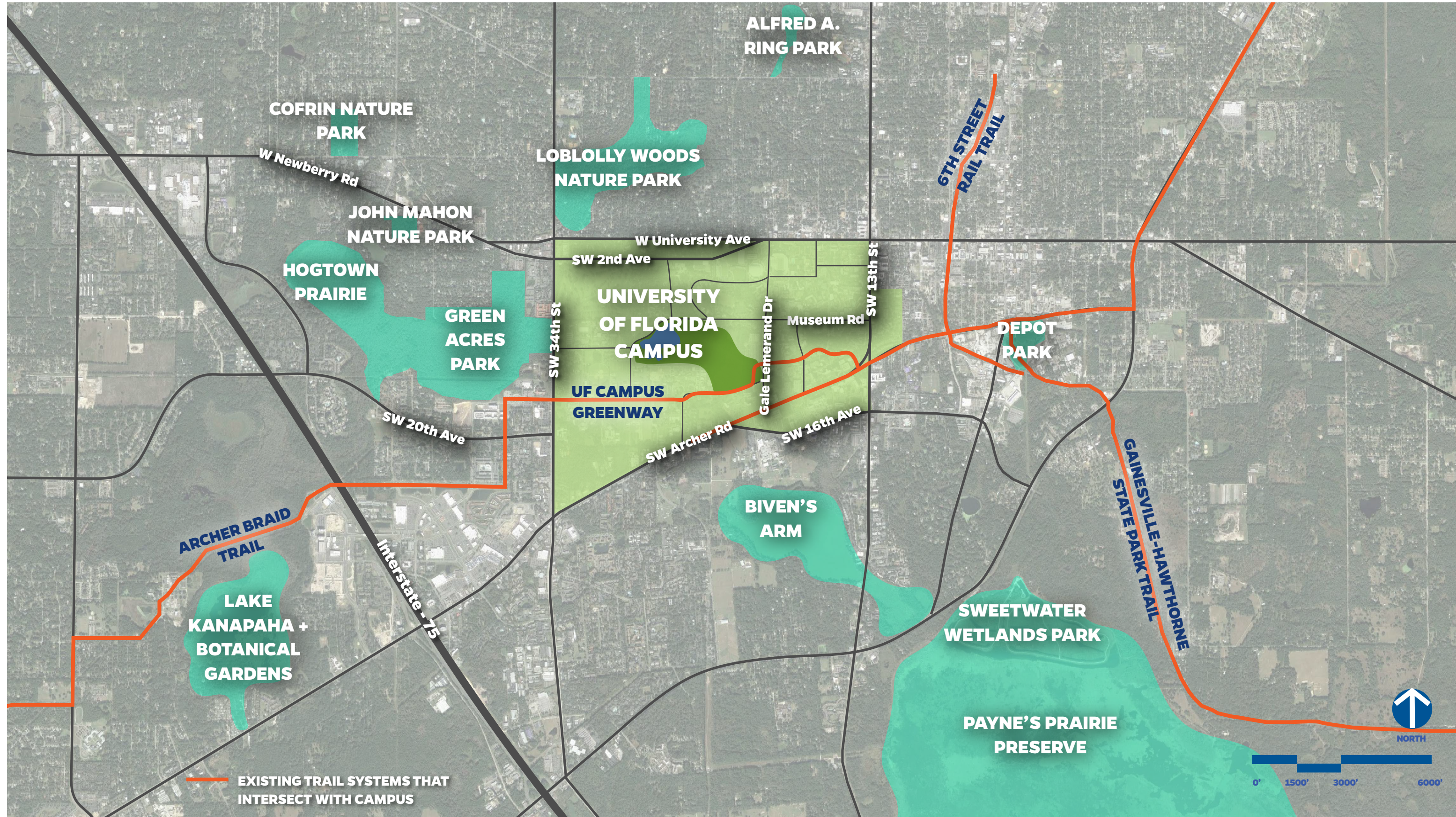
During the Inventory & Analysis portion of the project, multiple site visits were conducted in order to take inventory of the current trails that exist on the University's campus. Existing trails, as well as sidewalks and bike lanes, were mapped and incorporated into a large scale base map which included the Lake Alice area as well as the rest of the University's Main Campus.

Looking at the broader regional context was crucial to this process as the City of Gainesville and surrounding areas have an extensive system of trails and shared-use pathways that interconnect with Campus. The observations and research conducted during these initial site visits was gathered, then assembled for presentation to the stakeholder group.

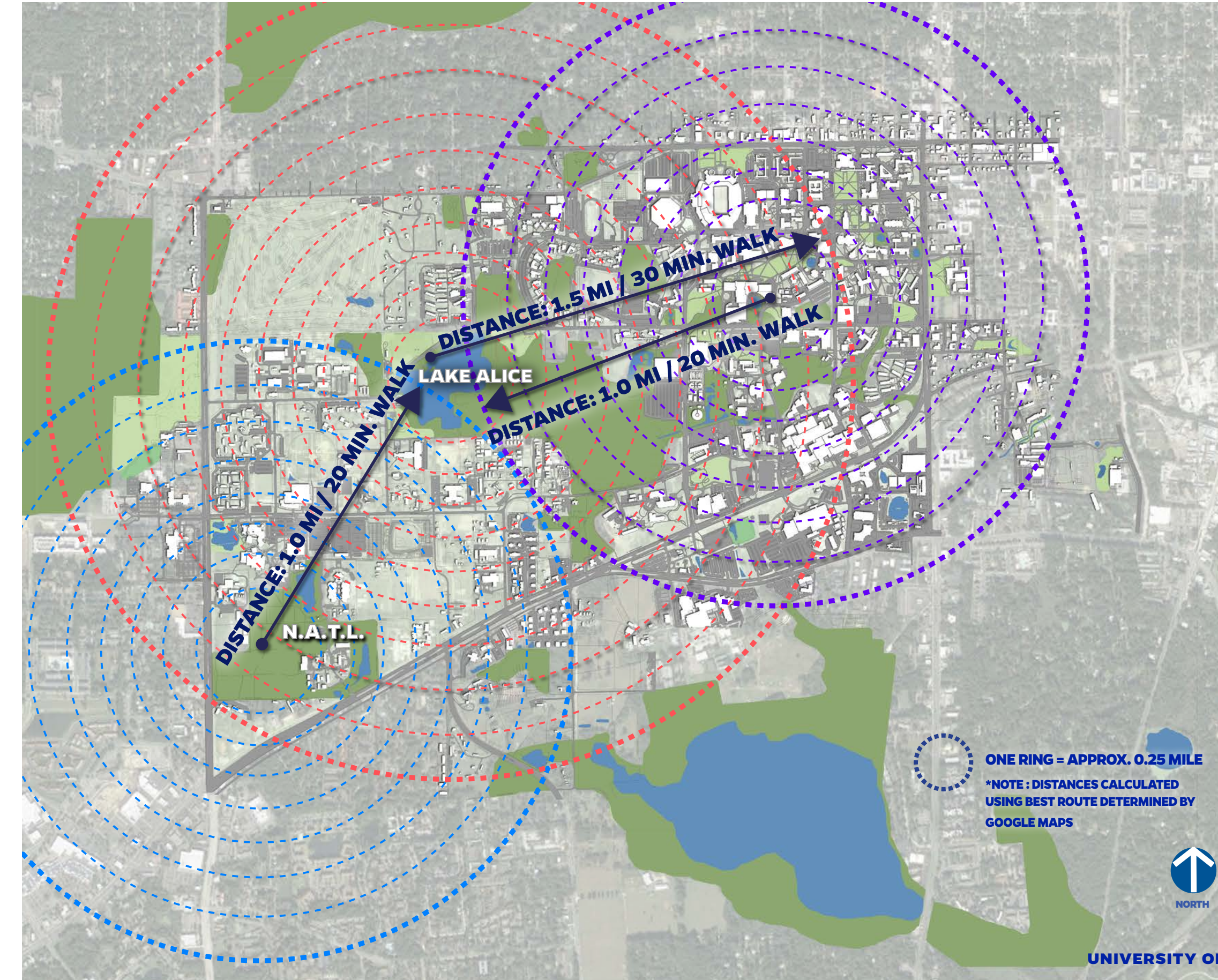
At the first stakeholder meeting, the inventory collected was presented, as well as the existing conditions map, regional context, and site photos. During this first meeting, the stakeholder group determined where there were opportunities and potential connections, as well as developed goals for the project. Based on stakeholder feedback, a map of potential opportunities and connections was assembled, which identified current gaps in connectivity and potential areas for connections to be created.



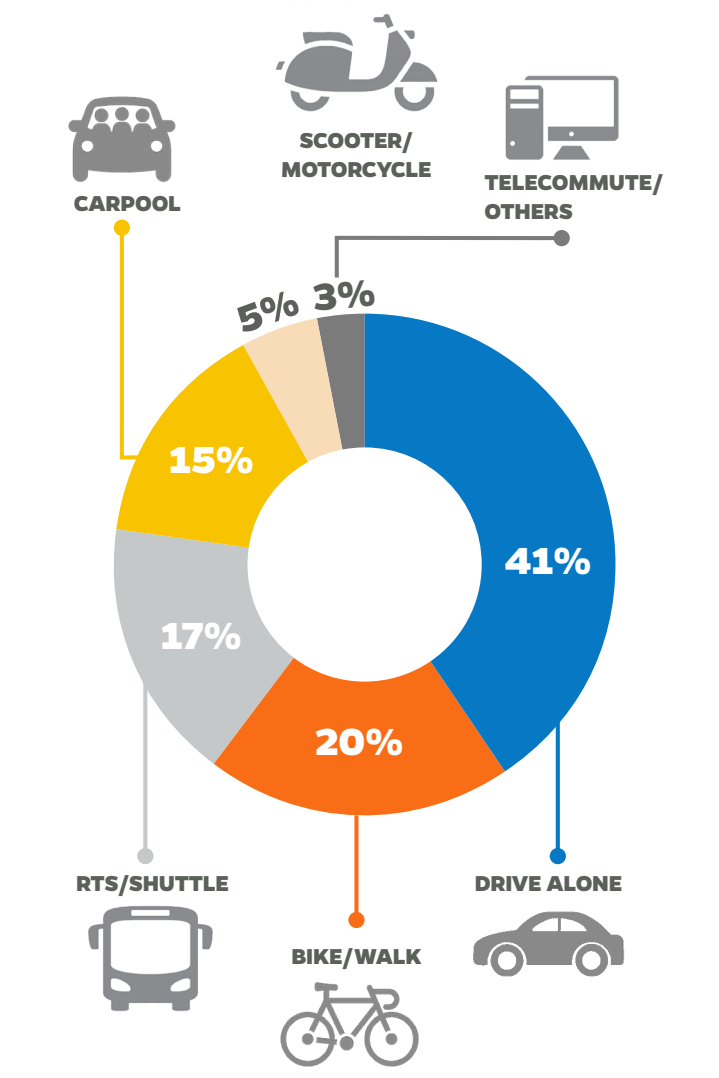
REGIONAL CONTEXT



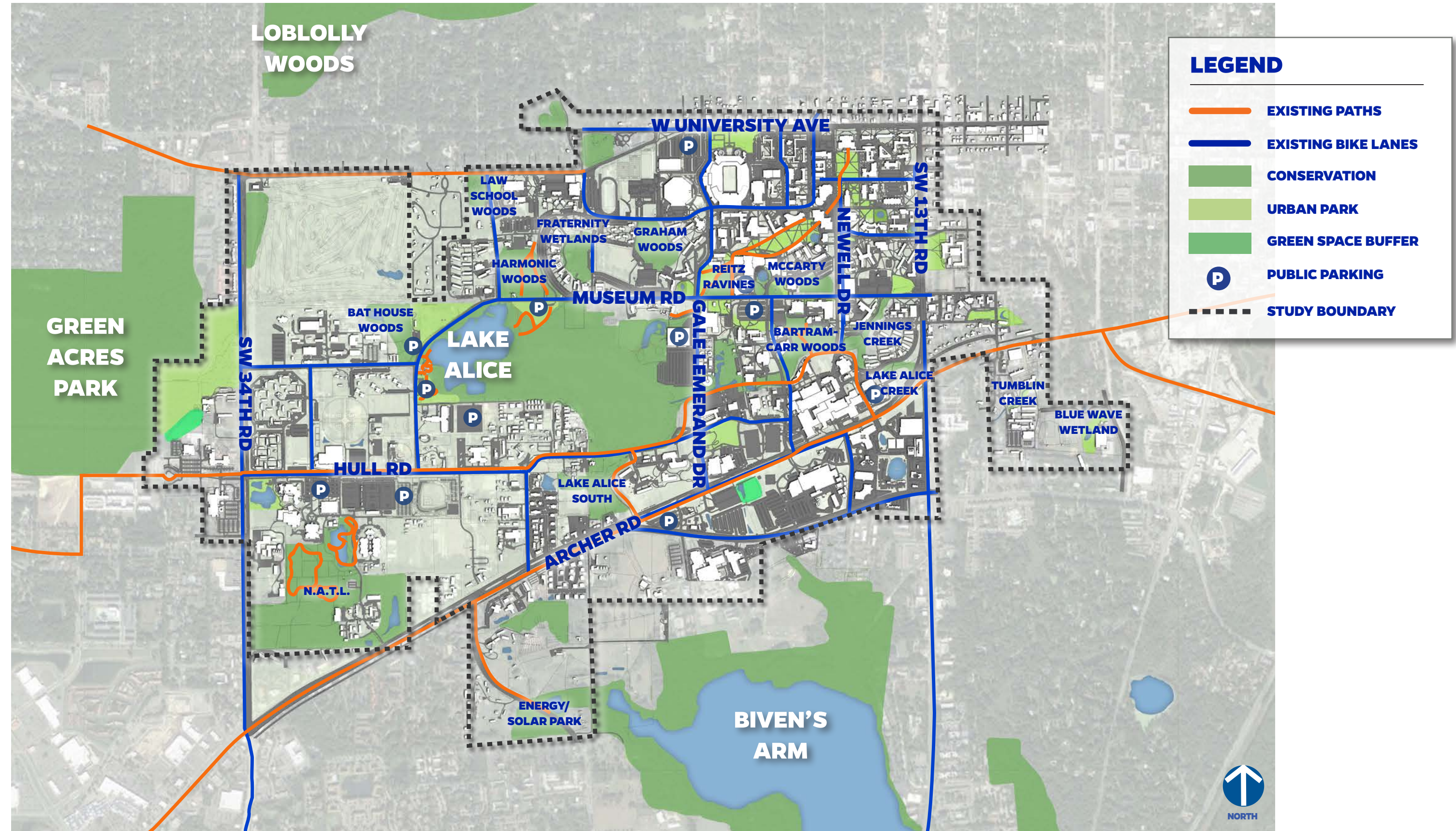
CAMPUS CONTEXT



CAMPUS MODE SPLIT



EXISTING CAMPUS TRAILS & OPEN SPACE



STAKEHOLDER MEETINGS

The development of the Campus Trails Master Plan was a collaborative effort between the University of Florida, the design team, and an extensive group of stakeholders. At the beginning of the project, a diverse stakeholder group was assembled. Two stakeholder meetings were held, as well as multiple other meetings and site visits throughout the project.

The stakeholder group included representatives from the following:

- UF College of Liberal Arts & Sciences / Academic Advising Center
- UF Facilities Services - Grounds Department
- UF Planning Design & Construction
- UF Soil & Water Sciences Department
- UF Entomology and Nematology Department
- UF Natural Area Teaching Laboratory (NATL)
- UF Office of Sustainability
- UF IFAS Facilities
- UF Facilities Services - Utilities
- UF Department of Landscape Architecture
- UF Transportation and Parking Services (TAPS)
- UF Environmental Horticulture Department
- UF Police Department (UFPD)

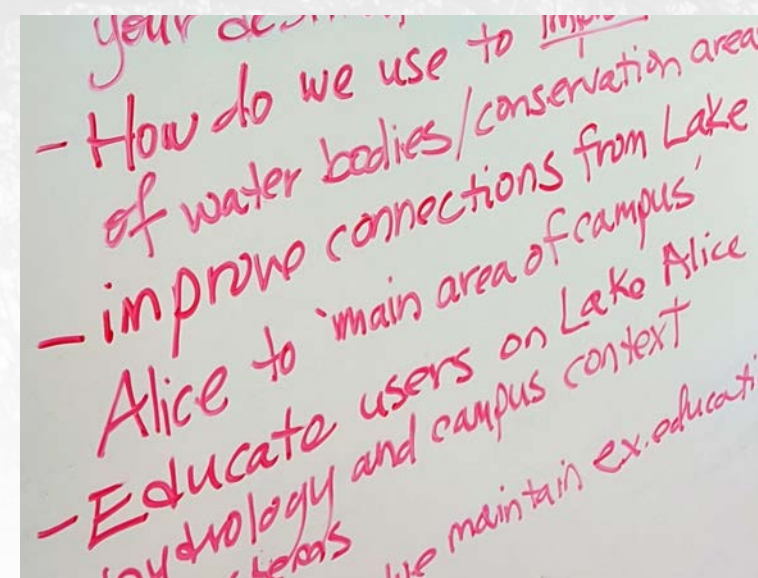
During the first stakeholder meeting, held on January 15, 2020, the inventory and analysis portion of the project was presented to the group, as well

as initial findings regarding potential opportunities for connection. Through this conversation, a draft trails network was outlined, as well as priorities. Additionally, the group discussed materials and visual preferences.

After this meeting, a draft master plan was developed, as well as goals and objectives for the project. This, along with some materials options, was presented at the second stakeholder meeting, which occurred on February 12, 2020. During this meeting, input was provided on safety, materials, connectivity, use, and phasing.

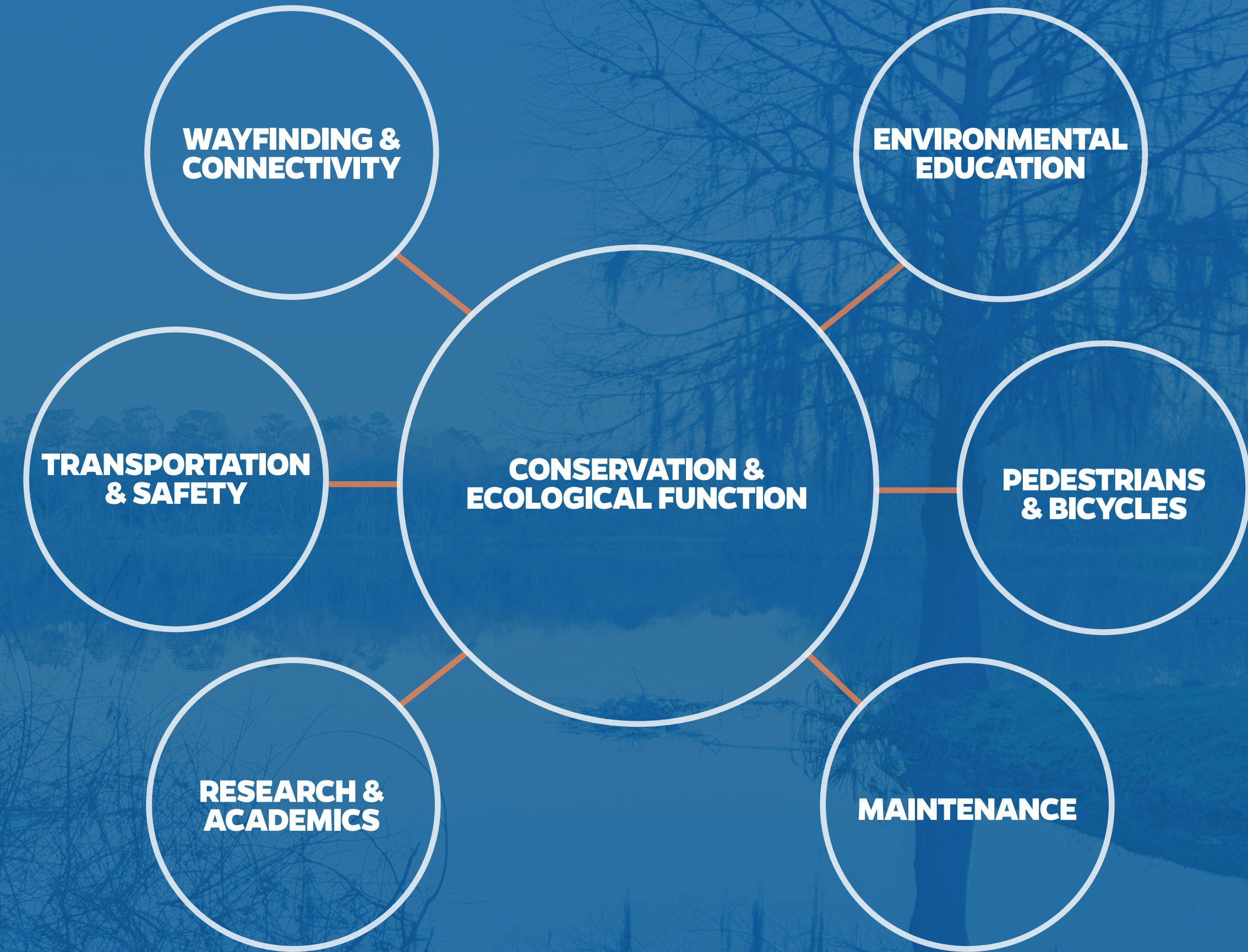
Once the team received this feedback, the master plan was developed further, along with materials diagrams, perspective renderings, phasing recommendations, trail loop options, and cost estimates. The Campus Trails Master Plan was presented to the Transportation and Parking Services (TAPS) Committee, the Land Use Committee, and the Lakes Vegetation and Landscaping (LVL) Committee throughout March/April 2020.

Throughout the project, stakeholders were sent revised drafts and encouraged to provide additional input and comments which were then incorporated into the final design.

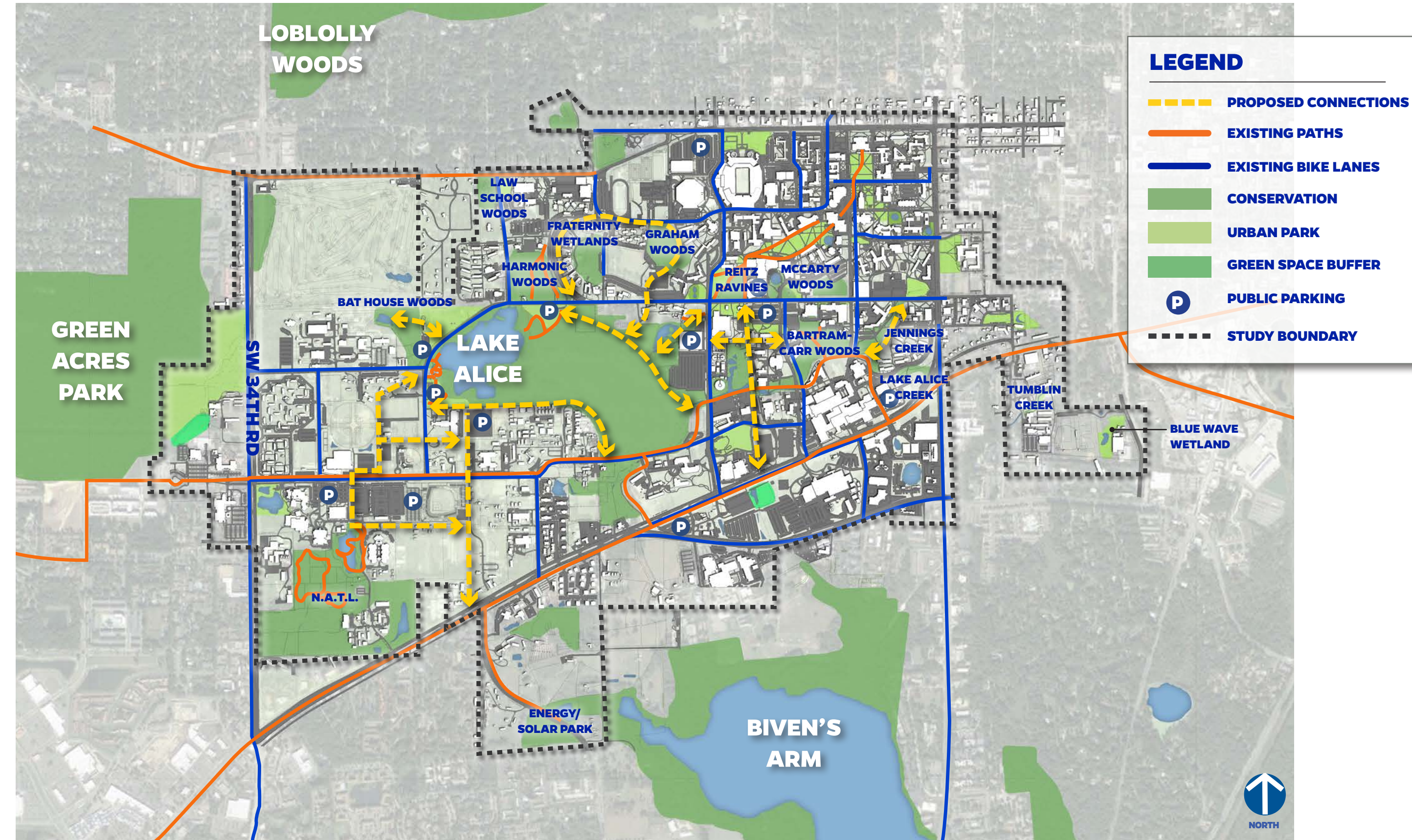


CONSERVATION & ECOLOGICAL FUNCTION: A COMMON THREAD

During the first stakeholder meeting, common themes emerged from the group's discussion regarding the priorities that a campus wide trails system needed to address. The common thread through all of these items was the desire to focus on conservation and ecological function, as well as centering the campus trails system around Lake Alice.



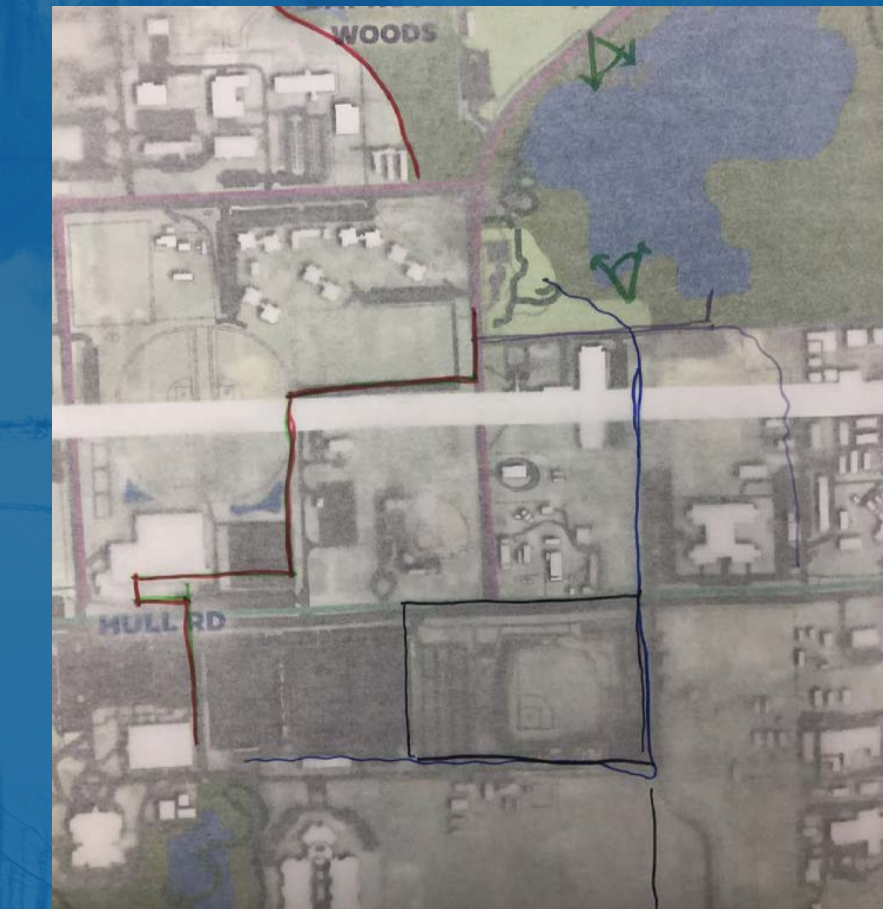
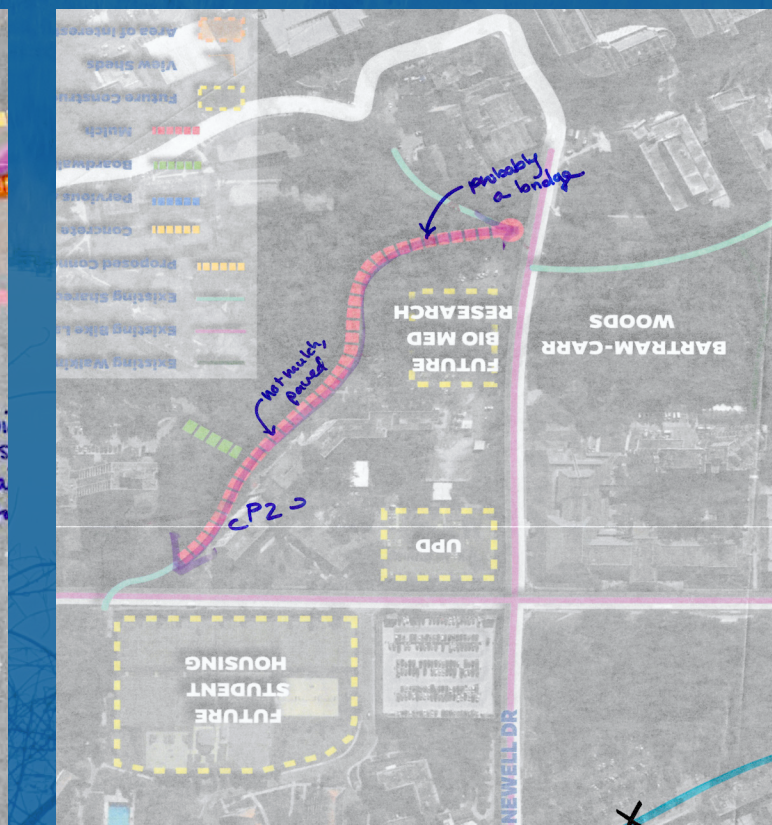
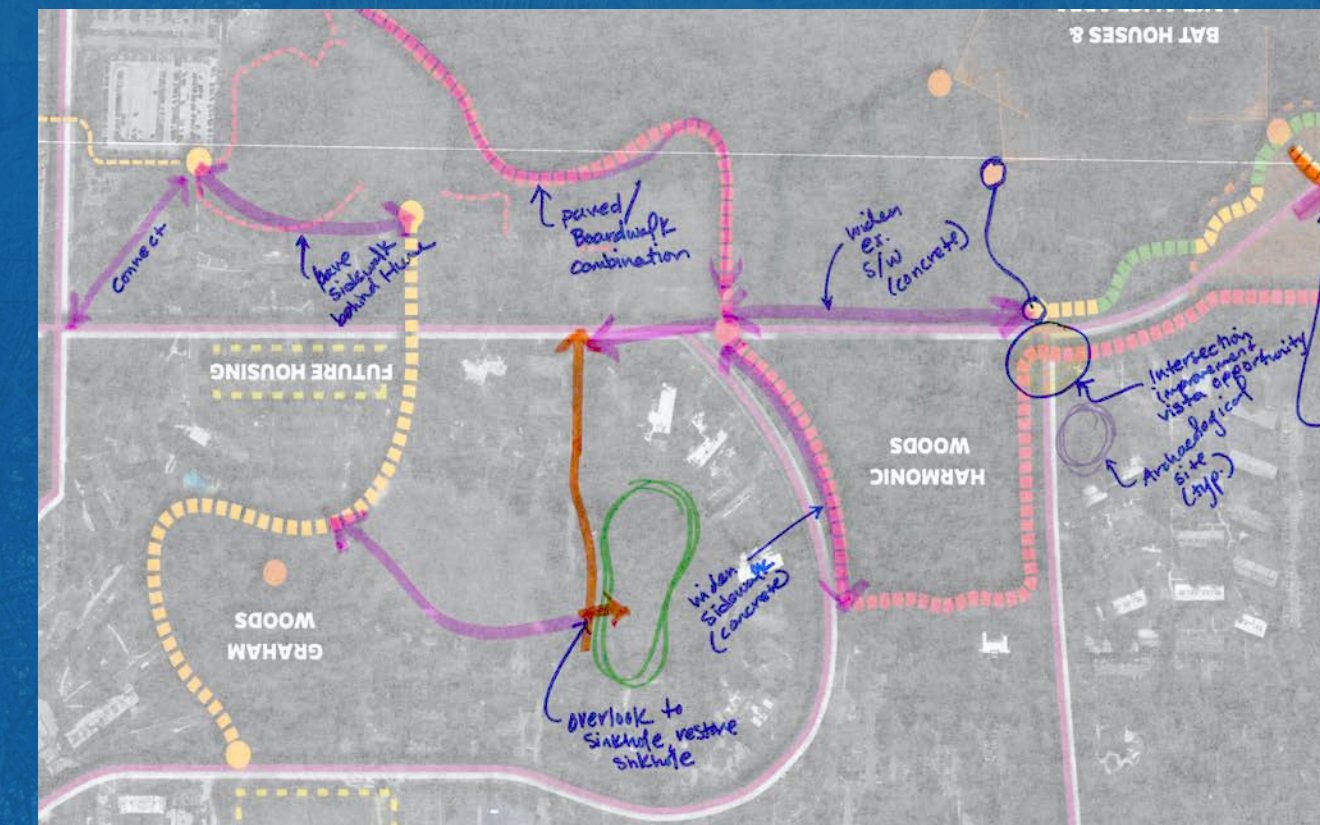
OPPORTUNITIES & CONNECTIONS



- Maintenance of trails
- Trail as destination? or does trail get to your destination?
- How do we use to improve treatment of water bodies/conservation areas
- improve connections from Lake Alice to 'main area of campus'
- Educate users on Lake Alice hydrology and campus context
steps we maintain ex. education

IDENTIFYING OPPORTUNITIES

After developing an inventory of the existing trails on campus, base maps were created for stakeholder meetings. During these workshops, trace overlays were laid over these base maps, allowing the stakeholders to physically map out where they saw opportunities to close gaps, improve existing trails, and connect to campus amenities.



PROJECT MISSION

CREATE A **COHESIVE TRAIL SYSTEM** THAT CELEBRATES AND ENCOURAGES USER INTERACTION WITH THE CAMPUS' UNIQUE ECOLOGICAL FEATURES WHILE PRIORITIZING **CONSERVATION MANAGEMENT.**

PROJECT GOALS

1

PROVIDE **PEDESTRIAN AND SHARED-USE CONNECTIONS** WHERE CURRENT GAPS EXIST TO LINK THE EXISTING AND FUTURE **OPEN SPACE AND CONSERVATION AREAS** OF CAMPUS AND THE SURROUNDING CITY OF GAINESVILLE.

2

PROVIDE **EDUCATIONAL SIGNAGE AND WAYFINDING DEVICES** TO GUIDE USERS THROUGH THE TRAILS SYSTEM.

3

CREATE A SYSTEM WITH **SAFE AND ACCESSIBLE** TRAILS.

4

CELEBRATE NATURAL AESTHETICS WHILE BALANCING WITH THE PROTECTION OF EXISTING **ECOLOGICAL FUNCTIONS THROUGH STRATEGIC MAINTENANCE PRACTICES.**

5

MAINTAIN AND ENHANCE OPPORTUNITIES FOR **LEARNING & RESEARCH** WITHIN THE UNIVERSITY'S NATURAL AREAS.

6

ENSURE THE **LONG TERM SUCCESS** OF THE TRAIL SYSTEM THROUGH CONSIDERATION AND SELECTION OF **QUALITY, EASILY MAINTAINABLE MATERIALS** WHICH WILL STAND THE TEST OF TIME.



SECTION 3

TRAILS MASTER PLAN



TRAILS MASTER PLAN

Design of the Campus Trail Master Plan for the University of Florida consisted of the development of a campus-wide trails network that includes shared use paths, interconnects existing trails on and off campus, preserves existing ecological resources while still maintaining access, and highlights important features of the UF Campus.

Development of the master plan includes a proposed conceptual trail network that suggests location, materials, phasing, and use.

Based on the Campus Framework Plan and the feedback received during multiple stakeholder meetings, it was clear that celebrating Lake Alice as the center of campus was key to a successful trails master plan. With this master plan, the intent was to create a cohesive system that links Lake Alice to open space and conservation areas throughout Campus and the City of Gainesville.

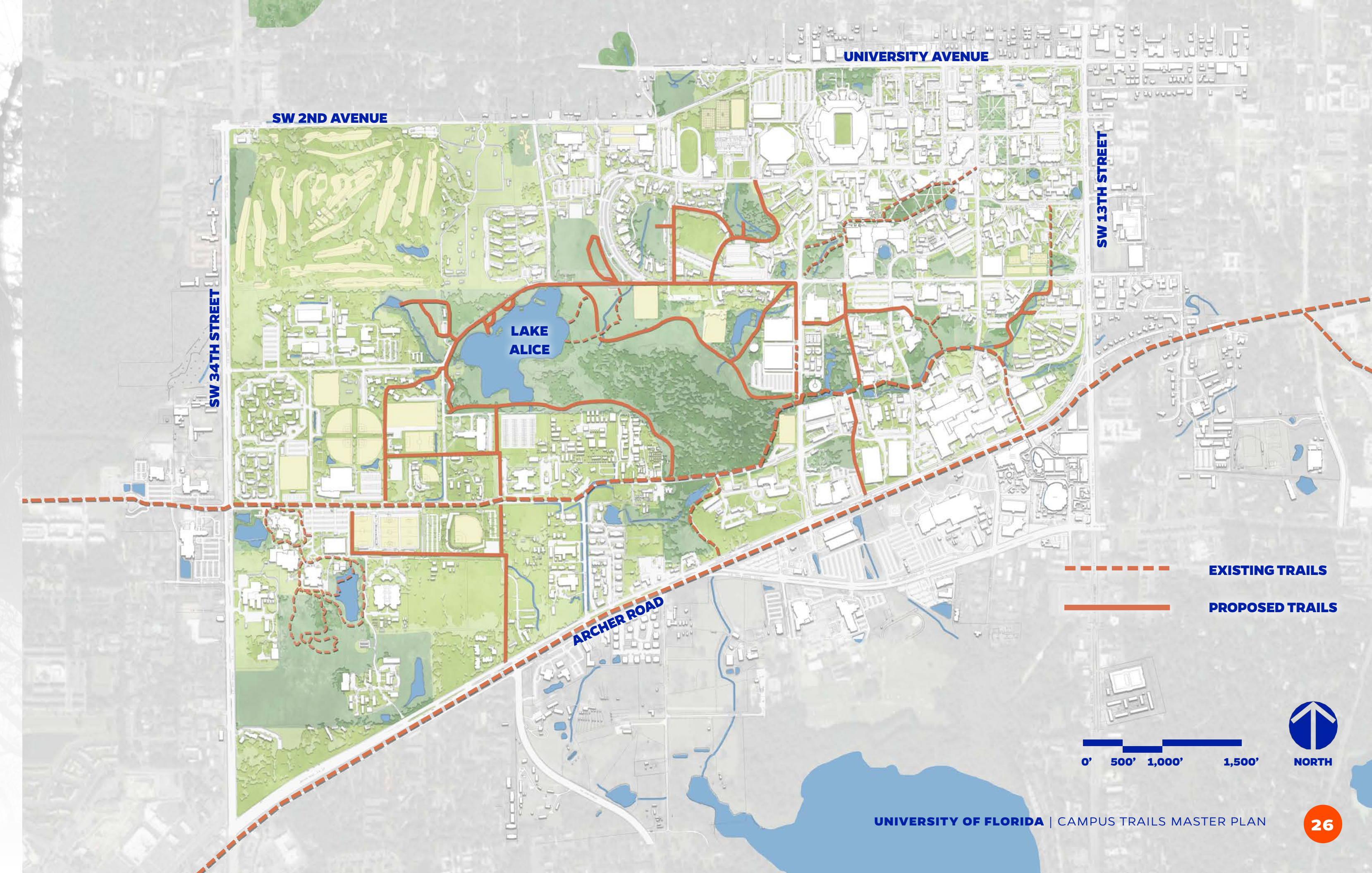
One of the considerations brought up by stakeholders during the design process was education. Many of these open space and conservation areas are currently used by the University of Florida professors and lecturers for classes and research. It was important to maintain

and enhance their current function as educational opportunities for learning and research.

Signage could be used to direct users on a journey through the Campus' numerous gardens. Additionally, it was important for the trails system to provide signage highlighting the hydrology of campus and the greater region. Wayfinding and signage could also inform visitors about Florida's native species of plants or wildlife that can be seen on campus.

Another consideration was preservation of ecological function while still allowing access. Balancing the accessibility to users with the protection of ecological functions is crucial to a successful trails system.

Maintenance was another item that was important to stakeholders. During these stakeholder meetings and our meetings with UF PD&C staff, careful consideration was taken to ensure the materials selected would be accessible and safe, visually pleasing, and easily maintained. Selection of long-lasting and durable materials will ensure that the trails installed stand the test of time.



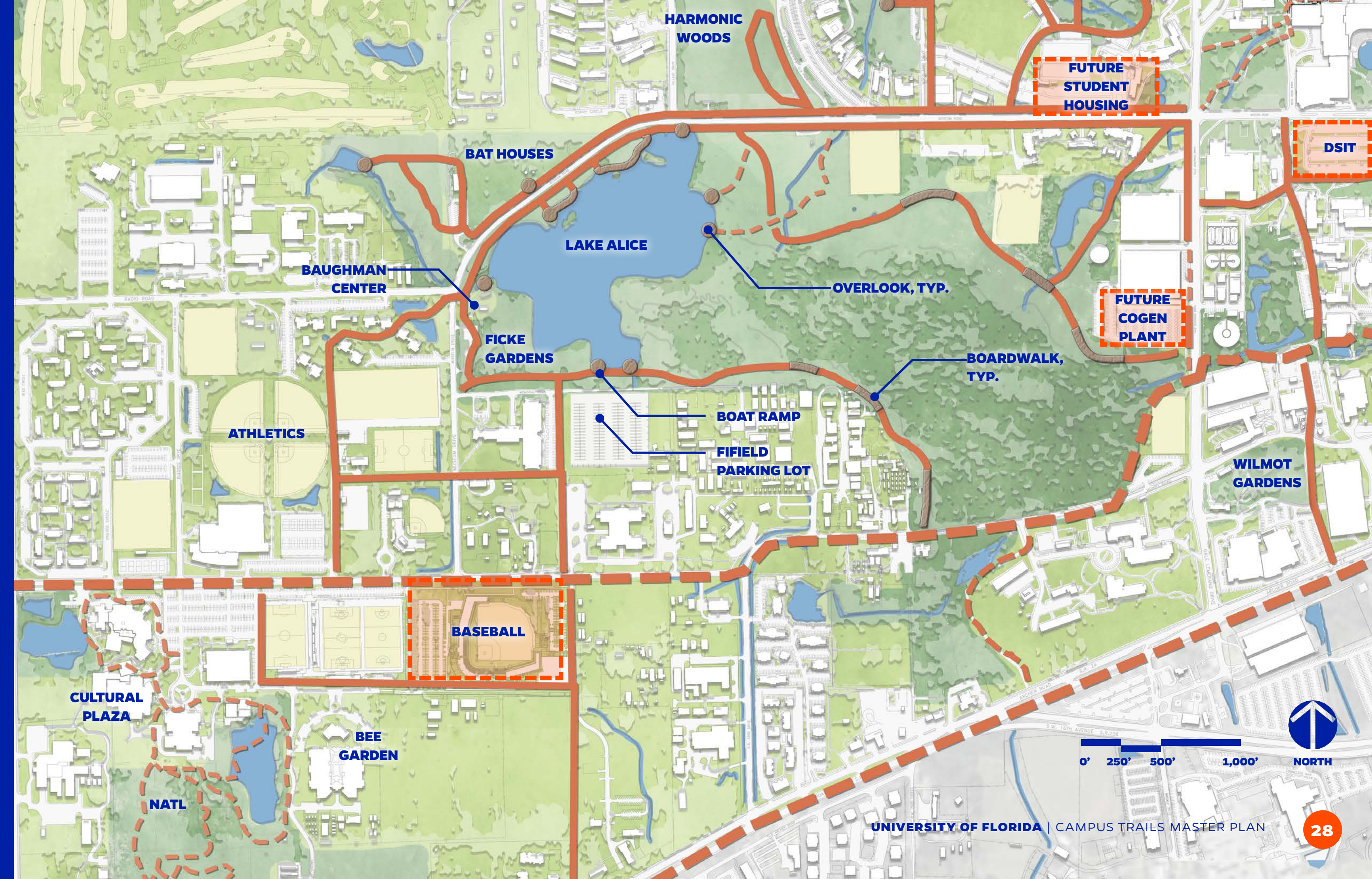
TRAILS MASTER PLAN

LAKE ALICE & WEST CAMPUS

Lake Alice is at once the primary icon of campus identity and a mostly untapped resource. Not only is it the metaphorical heart of campus, it is located at its physical center. What if the Lake Alice Conservation Area became a feature that purposefully connected now remote parts of campus together around a great natural resource rather than incidentally delineating east, west, north, and south zones from one another?

That the campus has an entire conservation area within its borders is incredibly unique. It is also a symbol of the culture and spirit of UF, a land grant university, and the type of natural environment that can only be experienced in Florida, alligators and all. It connects students and faculty to the outdoors, teaching to the real world, and is an active player in the local watershed and ecosystems.

- University of Florida Campus Framework Plan



LAKE ALICE - BEFORE



LAKE ALICE - AFTER



REVISIONING LAKE ALICE AS THE CENTER OF CAMPUS

Lake Alice is a feature unique to the University of Florida and a place where many currently go to enjoy nature or exercise. The Lake is a "must see" for visitors and potential students visiting campus for the first time.

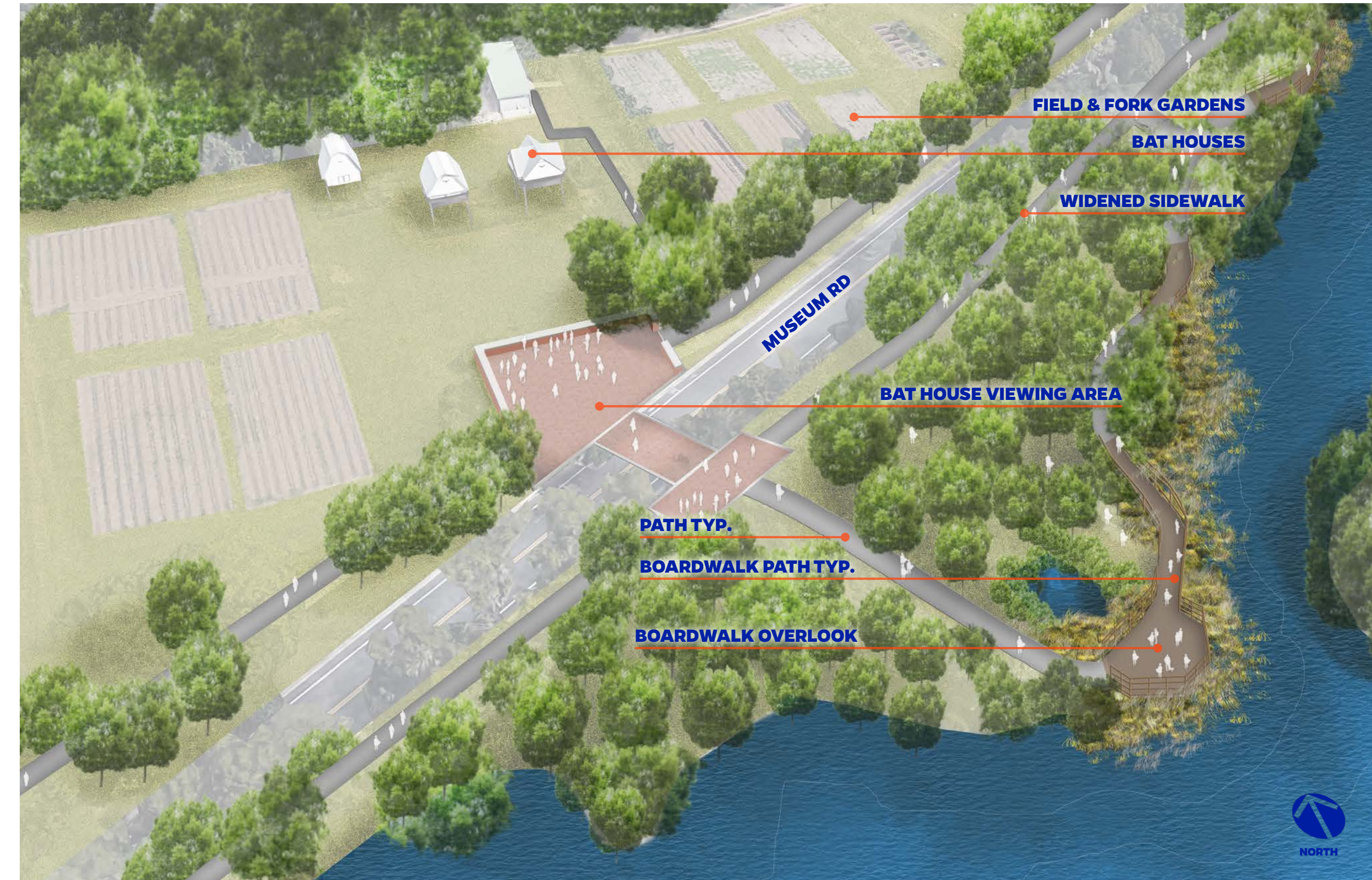
The master plan eliminates gaps within the existing trails network surrounding Lake Alice and provides a continuous loop around the Lake that visitors can enjoy. Through Medicinal Gardens and Ficke Gardens, to the Baughman Center and the Bat House, views to the Lake have been preserved and boardwalks have been provided for a integrated user experience.

Connections have also been provided to the SW Recreation Center, NATL, Athletics, and Cultural Plaza to the southeast.

BAT HOUSE - BEFORE



BAT HOUSE - AFTER



LINKING DESTINATIONS

The University of Florida Bat Houses across the street are visited by hundreds of people each night as thousands of bats emerge during the evenings. Currently, limited seating exists in this area and most are left to stand while waiting for the bats to come out. Through formalizing a plaza space within this area, this unique experience can be celebrated. The new master plan provides additional areas for seating for visitors to enjoy the bats, as well as improved educational signage and wayfinding.

Across Museum Road, an improved overlook over Lake Alice links the two destinations. The overlook connects to a boardwalk which allows visitors to weave in and out of the tree canopy and out over the water's edge. Stakeholders recommend careful management of vegetation along the lake edge, particularly protection of native trees, plants and aquatics.

RESEARCH BOAT RAMP - BEFORE



RESEARCH BOAT RAMP - AFTER



A NEW PERSPECTIVE

An existing boat ramp currently used for research at the south end of Lake Alice provides an opportunity for unique views to the north side of Lake Alice. While the existing boat ramp would remain in use for research purposes only and closed to the public use, overlooks to the east would allow for users to experience Lake Alice in a way they have never before. The trail along South Lake Alice should be located such that impact on existing trees and their canopy is minimized. Care should be taken to protect existing trees within conservation areas and impacts should be minimized through all projects constructed as a result of the Campus Trails Master Plan.

LAKE ALICE NORTH EAST OVERLOOK - BEFORE



LAKE ALICE NORTH EAST OVERLOOK - AFTER



CONNECTING WITH NATURE

Native plantings will filter pollutants, improving water quality, and will also provide food and habitat for different species of wildlife. Educational signage will inform visitors on ecology, wildlife, history, and the greater hydrologic system of which Lake Alice is a part. Boardwalks will allow visitors to walk out onto Lake Alice and provide a closer connection with this unique ecological resource.

LAKE ALICE NORTH EAST OVERLOOK - BEFORE



LAKE ALICE NORTH EAST OVERLOOK - AFTER



IMPROVING THE USER EXPERIENCE

Widening sidewalks along Museum Road will allow for pedestrian and bicycle traffic, and street tree plantings will provide shade. During the stakeholder meetings, it was suggested that dredging may be needed in order to remove build up of silt due to stormwater runoff. Additional spoil islands, which could be used as habitat for wildlife within the Lake, were also suggested by some of the project stakeholders.

LAKE ALICE TRAIL NORTH OF IFAS FACILITIES - BEFORE



LAKE ALICE TRAIL NORTH OF IFAS FACILITIES - AFTER



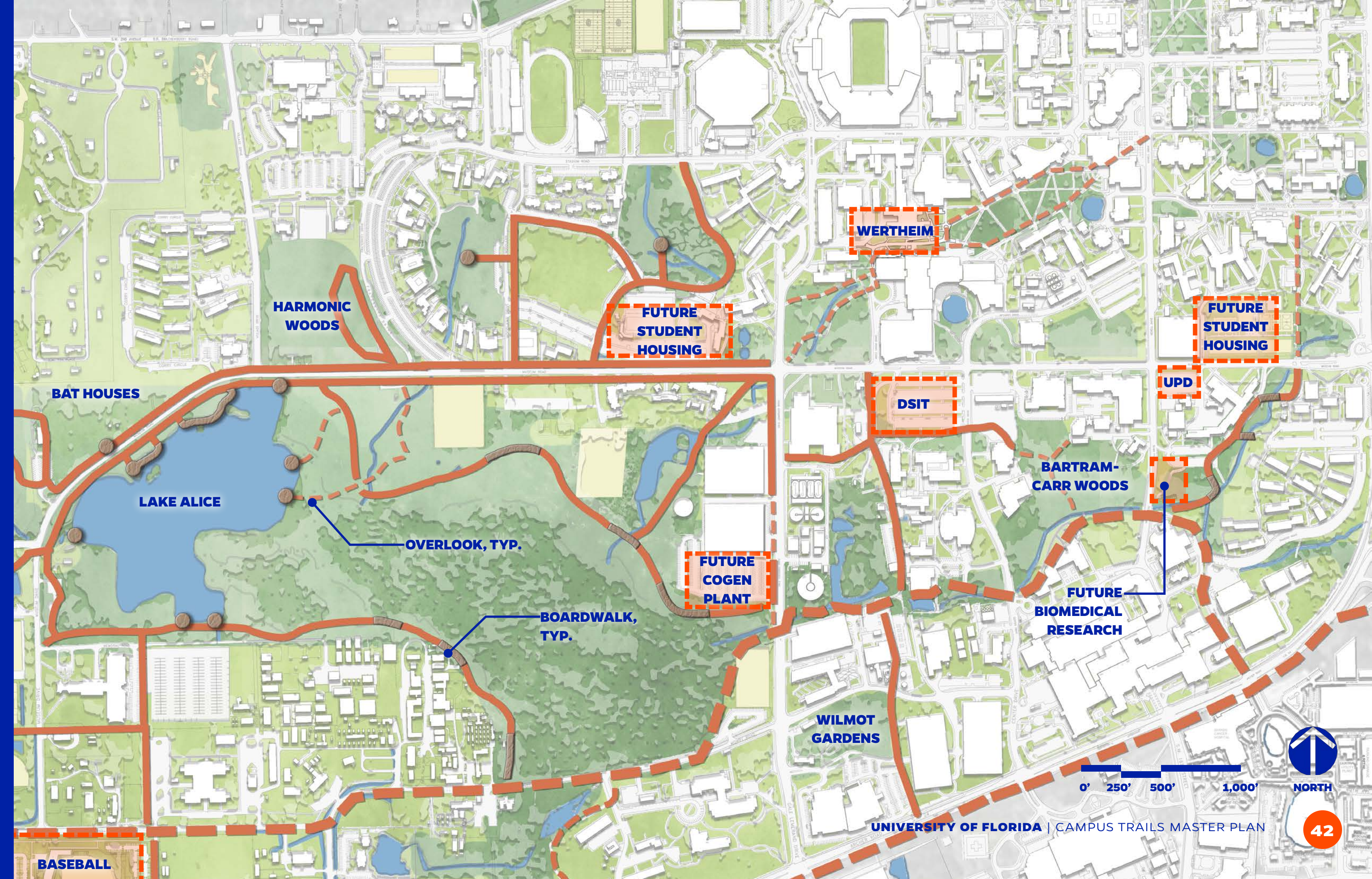
CLOSING THE LOOP

Potential connections through the existing IFAS Facilities to the South of Lake Alice have been identified through site visits with IFAS and UF PD&C Staff. Heritage Live Oaks provide shade and create a sense of place. With strategic long term planning and close coordination with IFAS over time, this connection would create a closed loop around Lake Alice.

TRAILS MASTER PLAN

LAKE ALICE & EAST CAMPUS

Improvements to the Museum/Gale Lemerand sidewalks and a new bridge over Hume Creek will connect the Lake Alice trail system to the east of Campus. New walks will connect Wilmot Gardens to the campus-wide trails network, creating an opportunity for a "campus gardens" loop. A new overlook in the Graham Woods area will provide an amenity to the students which will be living in the future Student Housing facilities on the corner of Museum & Gale Lemerand. The future Data Science and Information Technology building will serve as a hub, with connections west to Gale Lemerand, north/south via the enhanced Sweetwater Drive, and east towards Bartram Carr Woods. Boardwalks crossing Jennings Creek will close gaps in the existing network and provide students, staff, and visitors a place of respite from busy campus life.



HUME CREEK - BEFORE



HUME CREEK - AFTER



HIGHLIGHTING CAMPUS HYDROLOGY

Though most would never notice, a creek runs underneath Museum Road and emerges at the southern end, just west of Gale Lemerand Drive. This area was identified as a potential to connect Lake Alice with the east side of campus and provide an amenity for those traveling from the parking garage. This boardwalk provides an opportunity to highlight an existing water body on campus and educate users on hydrologic functions throughout Campus.

JENNINGS CREEK - BEFORE



JENNINGS CREEK - AFTER



BRIDGING THE GAP

Tucked between Beaty Towers and Jennings Hall is a creek that runs south to the Brain Institute from Museum Road. Most would never notice this creek and existing bridge unless they live in Jennings Hall.

However, this creek provides an opportunity to connect the Jennings Hall with Beaty Towers and Diamond Village. Additionally, a new boardwalk at the south provides a needed connection from Jennings to the existing shared use path at the Brain Institute. Finally, a new boardwalk from Jennings to the north side of Beaty provides a connection that significantly improves the user experience.

These boardwalks provide an opportunity to highlight the unique architectural features of Jennings Hall, as well as the hydrological functions of Jennings Creek within the Campus and greater Gainesville region hydrologic system as a whole. Additionally, the proposed boardwalks highlight connections to future student housing and a bigger connection to UF Health from the main campus core.



SECTION 4

IMPLEMENTATION & RECOMMENDATIONS

IMPLEMENTATION & RECOMMENDATIONS

To ensure the long term success of the campus wide trails system, special care must be taken to ensure maintenance and implementation methods are followed. Within the University of Florida Landscape Master Plan, guidelines have been set forth outlining how the University can celebrate the campus ecological setting while embracing sustainable goals and LID practices.

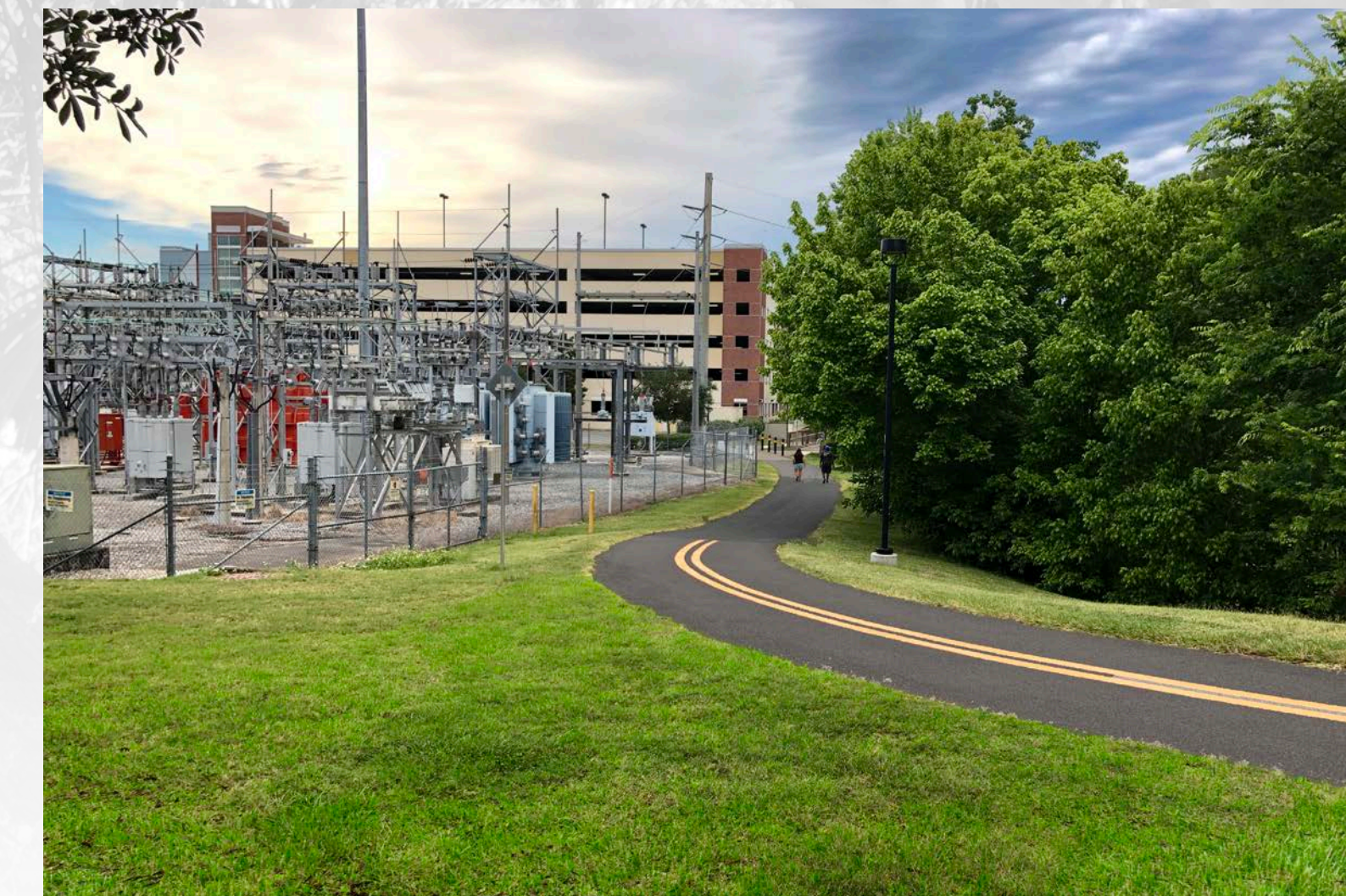
The University of Florida campus is a place of great beauty and ecological diversity. Although some of the natural communities on site have been altered over time, the native landscape ecology is to be admired and should be celebrated. Conservation areas should remain managed and protected and the landscape of the built environment should become a reflection of the native systems of North Central Florida. Embracing the campus ecology must be a part of the University's educational mission, including the stewardship of its own environment, reflected by embracing sustainable principles of design, encouraging access to natural areas of the campus, and restoring UF's native landscape communities.

In Principle 4, the Landscape Master Plan outlines recommendations for the protection and management of the natural areas on campus.

- *Ensure the protection, stabilization, management, and enhancement of the remaining natural areas of campus.*
- *Provide expanded upland planting zones for surface water containment, filtration, and erosion control near manicured edges of existing water bodies.*
- *Eradicate non-native vegetation and improve overall access to these water bodies.*
- *Cautiously and selectively create targeted view sheds while maintaining the native systems along Jennings and Lake Alice Creeks.*
- *To the greatest extent practicable, restore, enhance, and preserve water courses, ponds, lakes, and flow ways of the campus for their use by wildlife and the enjoyment of the UF community.*

- *Where possible, the daylighting of underground drainage systems should be encouraged.*
- *Enhancements to campus spaces should utilize the plant species appropriate for their ecological location as provided in the Open Space Tree Master Plan.*
- *LID principles should be incorporated into all campus projects to improve water quality and demonstrate best stormwater management practices.*
- *Opportunities to experience the natural features of the campus should be incorporated into corridors and spaces to integrate these areas into the life of the University and the larger community.*
- *Signage that describes the ecology of the natural features and processes, aspects of enhancement, or restoration activities will enrich natural areas of the campus as well as those that might be undergoing enhancement.*
- *Provide increased opportunities for passive recreation in these natural areas.*

Through the Trails Master Plan design process, additional recommendations were determined based on extensive meetings with stakeholders and other UF Staff. Along with the Landscape Master Plan Standards, these recommendations provide further guidance and a framework for implementation of the Campus Trails Master Plan.



DESIGN CONSIDERATIONS

SAFETY

**Open
Dawn to
Dusk**

EXCEPT LIT AREAS OPEN TO 11:30PM

PLACE SIGNAGE AT TRAILHEADS INDICATING OPERATING HOURS AND USE POSITIVE LANGUAGE WHEN DEVELOPING VERBIAGE.

ALONG PROPOSED TRAILS, ENSURE THERE ARE ADEQUATE EMERGENCY BLUE PHONES PER UNIVERSITY STANDARDS.

ALONG ROADWAYS AND SIDEWALKS, ENSURE SUFFICIENT LIGHTING COVERAGE IS PROVIDED.

ACCESSIBILITY



WHERE POSSIBLE, PROVIDE ACCESSIBLE PATHS FOR USERS THAT MEET A.D.A. ACCESSIBILITY STANDARDS.



CREATE SAFE, ACCESSIBLE, VISIBLE CROSSWALKS AT ROADWAY CROSSINGS TO REDUCE THE POTENTIAL OF PEDESTRIAN/ BICYCLE/VEHICULAR CONFLICTS.

VEGETATIVE MAINTENANCE



MAINTAIN VIEWS IN CLEARED AREAS AROUND LAKE ALICE & AVOID CLEARING IN VEGETATED AREAS AS MUCH AS NECESSARY DREDGING MAY BE NEEDED IN ORDER TO REMOVE BUILD UP OF SILT DUE TO STORMWATER RUNOFF. ADDITIONAL SPOIL ISLANDS, COULD BE CREATED AND USED AS HABITAT FOR WILDLIFE WITHIN THE LAKE.



UTILIZE NATIVE PLANTINGS IN REHABILITATION OF NATURAL AREAS. REFER TO THE LANDSCAPE MASTER PLAN FOR APPROPRIATE SPECIES.

TEMPORARY IRRIGATION FOR ESTABLISHMENT OF PLANTINGS SHOULD BE PROVIDED AT MINIMUM.



SHOULD DISTURBANCE FROM TRAIL CONSTRUCTION CAUSE EXCESSIVE CLEARING, REPLANT AS NEEDED. REFER TO THE LANDSCAPE MASTER PLAN FOR APPROPRIATE SPECIES.

EDUCATION



USE INTERPRETIVE SIGNAGE AT NATURAL FEATURES, WATER BODIES, AND GARDENS. PROVIDE SIGNAGE TO SPARK DISCUSSIONS AND INFORM ABOUT LOCAL HISTORICAL AND ARCHEOLOGICAL SITES.

UTILIZE INTERPRETIVE SIGNAGE TO TELL THE STORY OF CAMPUS HYDROLOGICAL HISTORY, WATER BODIES, AND WATER FLOW.



PROVIDE IMPROVED AREAS FOR EDUCATIONAL OPPORTUNITIES THAT EXTEND BEYOND THE EXISTING OUTDOOR TEACHING FACILITIES. PROVIDE ADDITIONAL SEATING AREAS WHERE CLASSES AND LABS TO BE HELD.



LINK EXISTING GARDENS THROUGH PROPOSED TRAILS SYSTEM. UTILIZE INTERPRETIVE SIGNAGE TO EDUCATE USERS ON THE EXTENSIVE NETWORK OF CAMPUS GARDENS.



TRAIL LOOPS

FRATERNITY WETLANDS LOOP

0.8 MI / 15 MIN

HARMONIC WOODS LOOP

0.5 MI / 10 MIN

BAT HOUSE WOODS LOOP

0.5 MI / 10 MIN

SOUTHWEST LOOP

1.5 MI / 30 MIN

CULTURAL PLAZA LOOP

1.2 MI / 25 MIN

CENTRAL LOOP

2.0 MI / 40 MIN

CAMPUS CORE LOOP

2.0 MI / 40 MIN

SOUTHEAST LOOP

1.7 MI / 35 MIN

WILMOT GARDENS LOOP

0.8 MI / 15 MIN

LAKE ALICE LOOP

2.2 MI / 45 MIN

CAMPUS GARDENS

- 1 Butterfly Rainforest, Florida Museum of Natural History
- 2 Asian Rock Garden, Harn Museum of Art
- 3 Natural Area Teaching Laboratory
- 4 Ficke Gardens, Baughman Center
- 5 University Gardens
- 6 Wilmot Gardens

NOTE: ALL DISTANCES CALCULATED ASSUMING 1 MILE = APPROXIMATELY 20 MIN

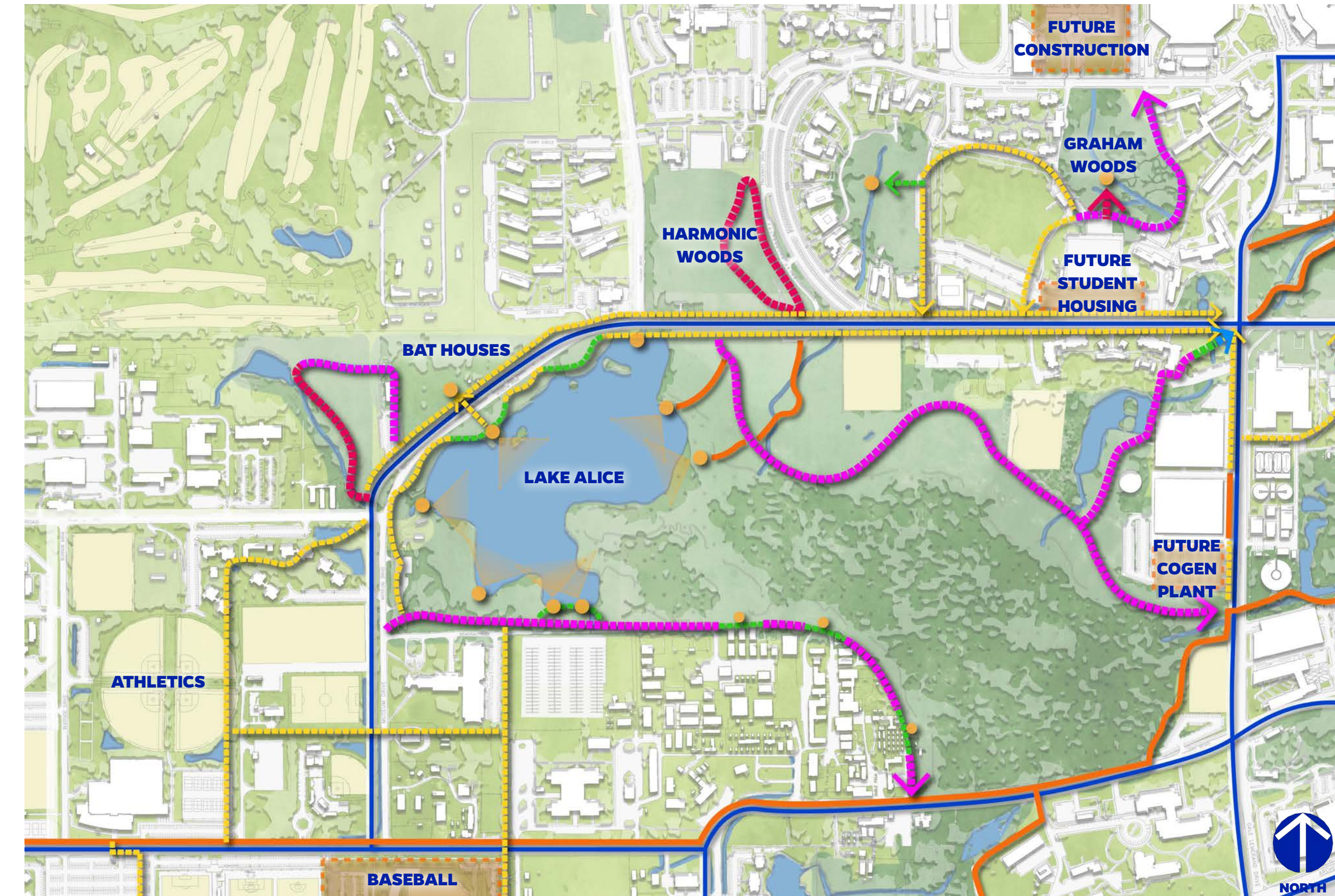


TRAILS MATERIALS - LAKE ALICE

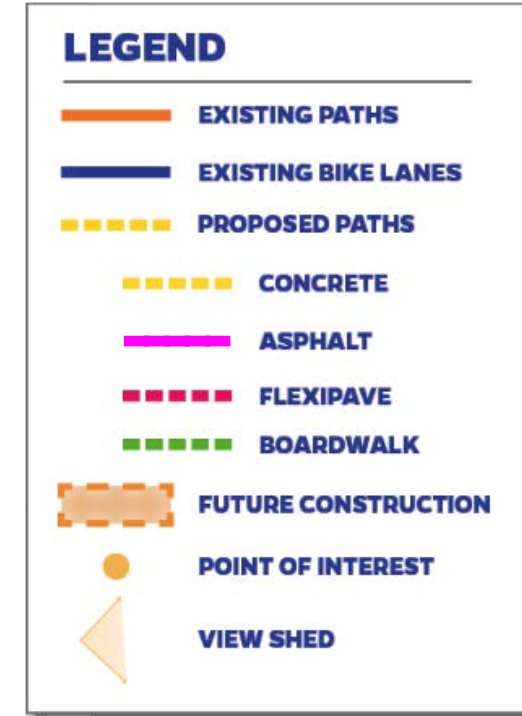
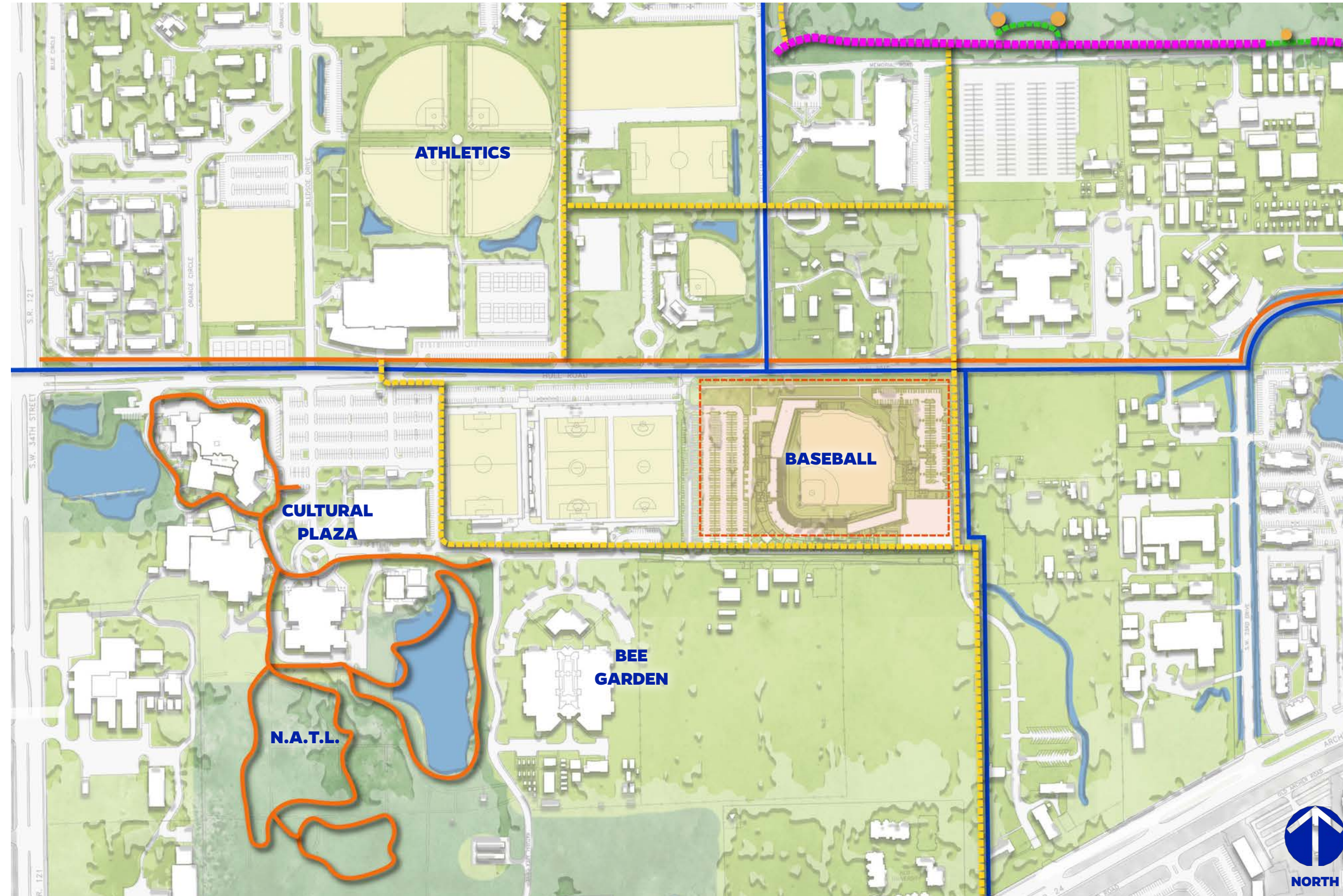
TRAILS MASTER PLAN

MATERIALS

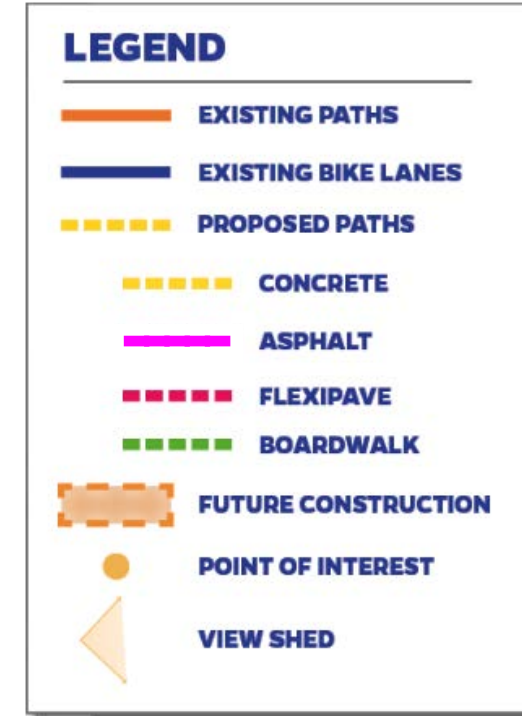
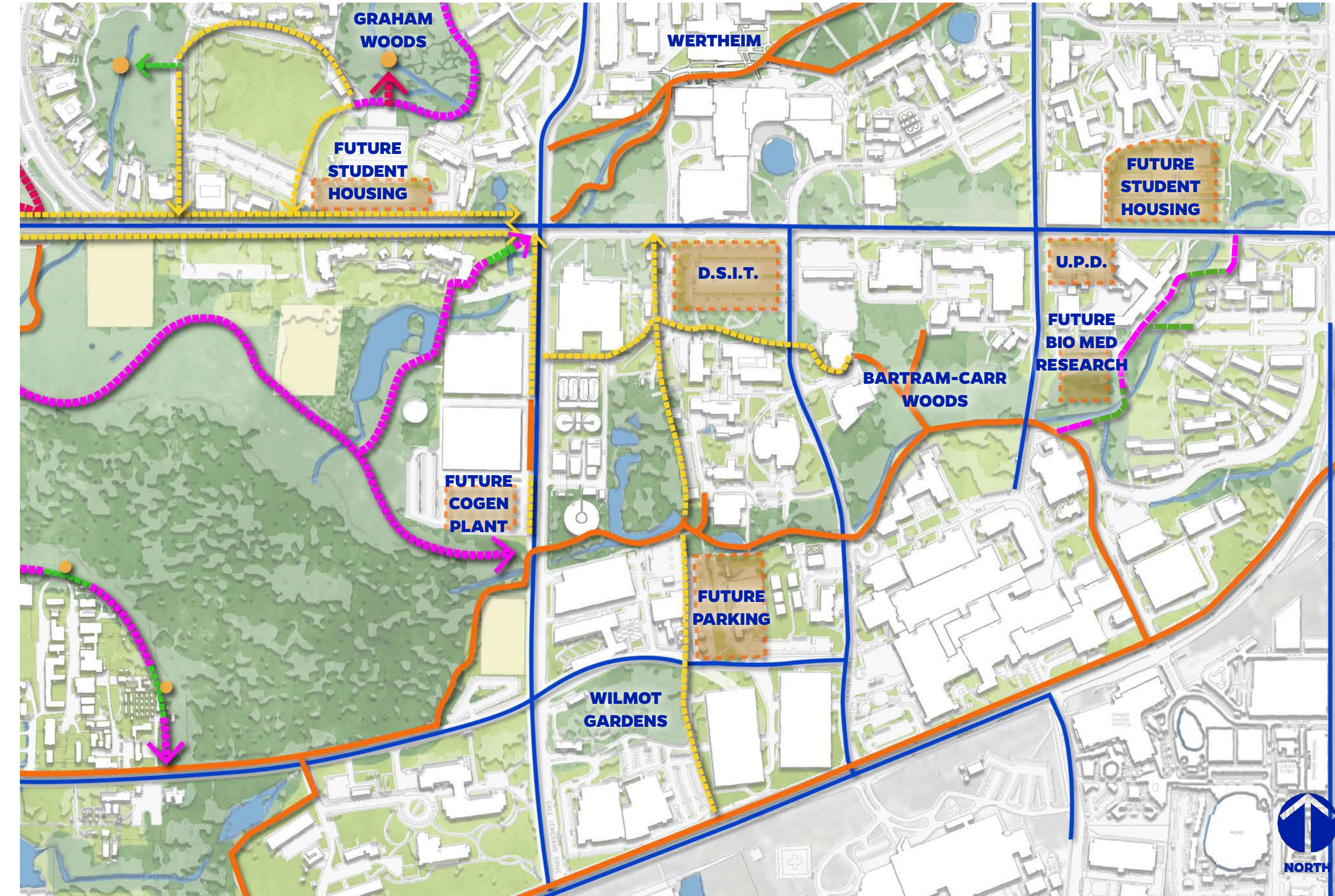
Selection of materials was closely coordinated with the stakeholder group, which included staff from the University of Florida Facilities Services Grounds Department, in order to ensure materials chosen could be easily maintained and would not create any long term maintenance issues. Many different options were carefully considered and discussed at length. Care was taken to ensure the materials selected would be accessible and safe as well as aesthetically pleasing, and would adhere to the University's Landscape Master Plan Standards. Selection of durable materials, combined with a strategic maintenance plan, will ensure that the trails installed can be enjoyed by many for years to come.



TRAILS MATERIALS - CULTURAL PLAZA & ATHLETICS



TRAILS MATERIALS - CAMPUS CORE



TRAILS MATERIALS



SHARED-USE PATH (ASPHALT)

STYLE PER LANDSCAPE MASTER PLAN STANDARDS
COLOR TO MATCH EXISTING



TRAILS (FLEXIPAVE)

MANUFACTURER K.B. INDUSTRIES
STYLE PER LANDSCAPE MASTER PLAN STANDARDS
COLOR TO MATCH EXISTING

IMAGE SOURCE: [HTTP://KBIUS.COM/KBI-PRODUCTS/KBI-FLEXI-PAVE/](http://kbius.com/kbi-products/kbi-flexi-pave/)



TRAILS (CONCRETE FINES / ASPHALT MILLINGS)

MANUFACTURER VARIES
STYLE N/A
COLOR N/A

IMAGE SOURCE: [HTTPS://WWW.AMERICANTRAILS.ORG/PHOTOS/1-IMG-7709-COPY-JPG](https://www.americantrails.org/photos/1-IMG-7709-COPY-JPG)



BENCH (OPTION A)

MANUFACTURER KEYSTONE RIDGE
STYLE/COLOR PULLMAN BENCH, PER LANDSCAPE MASTER PLAN STANDARDS.



BENCH (OPTION B)

MANUFACTURER LANDSCAPE FORMS
STYLE/COLOR SIT BENCH, PER LANDSCAPE MASTER PLAN STANDARDS.

IMAGE SOURCE: [HTTPS://WWW.LANDSCAPEFORMS.COM/EN-US/PRODUCT/PAGES/SIT-BENCH.ASPX](https://www.landscapeforms.com/en-us/product/pages/sit-bench.aspx)



BENCH (OPTION B)

MANUFACTURER VICTOR STANLEY
STYLE RB-28 BENCH, 8' LENGTH WITH INTERMEDIATE ARMRESTS
COLOR SILVER

IMAGE SOURCE: [HTTPS://WWW.VICTORSTANLEY.COM/PRODUCT/RB-28/](https://www.victorstanley.com/product/rb-28/)

TRAILS MATERIALS



BOARDWALK (OPTION A)

STYLE POLYWOOD RAILINGS WITH METAL MESH, ALUMINUM/STEEL/ FIBERGLASS BAR GRATING DECKING



IMAGE SOURCES:

TOP: [HTTP://WWW.LEWES.COM/EVENTS-AND-ACTIVITIES/BIKING-A-HIKING/62-GORDONS-POND-TRAIL.HTML](http://www.lewes.com/events-and-activities/biking-a-hiking/62-gordons-pond-trail.html)

BOTTOM LEFT: IMAGE COURTESY OF LINDA DIXON

BOTTOM RIGHT: [HTTPS://WWW.STRONGWELL.COM/CASE-STUDY-FRP-WALKWAY-CONNECTS-PEOPLE-WITH-NATURE/](https://www.strongwell.com/case-study-frp-walkway-connects-people-with-nature/)



BOARDWALK (OPTION B)

MANUFACTURER TREX DECKING
STYLE/COLOR PER LANDSCAPE MASTER PLAN, RAILINGS TO BE PER LANDSCAPE MASTER PLAN STANDARDS.

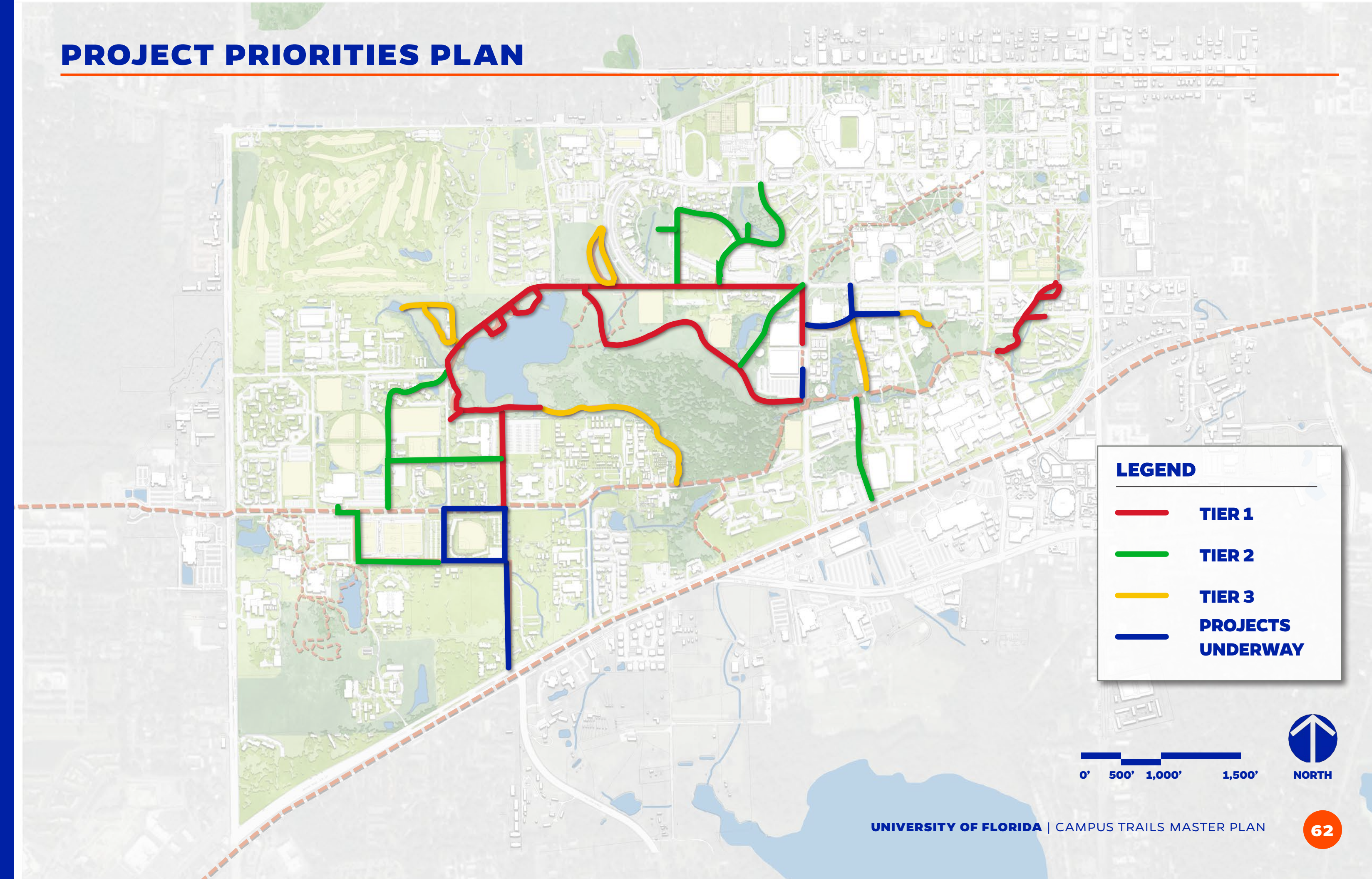
IMAGE SOURCE:
 UF LANDSCAPE MASTER PLAN

TRAILS MASTER PLAN

PRIORITIES

As part of the discussions held with the stakeholders, the group was asked to determine in what order the projects should be prioritized. It was decided the prioritization would best be shown in "tiers" which could then be broken up even further into bite-sized, more manageable projects. Consideration was paid to those projects which were adjacent to and could potentially be incorporated into planned improvement projects. It was determined that the Lake Alice and Bat House Viewing Areas should be included within the top tier, as they will be utilized the most and highly visible. Another section determined to be in the top tier was the Jennings Creek boardwalks. Second tier priorities included connections around the Cultural Plaza/Athletics area, which would link SW Recreation, Athletics, Cultural Plaza, and NATL with the remainder of the Lake Alice system. The second tier also included the Museum/Gale Lemerand boardwalk, as well as Graham Woods improvements and connections to Wilmot Gardens. Finally, the third tier included improvements to Harmonic Woods and Bat House Woods, as well as closing gaps in the system near the future UF DSIT project to the Bartram Carr Woods area. The section of trail south of Lake Alice behind the existing IFAS Facilities were also included within the third tier as this is more of a long term project which will involve close coordination with IFAS Facilities development.

PROJECT PRIORITIES PLAN

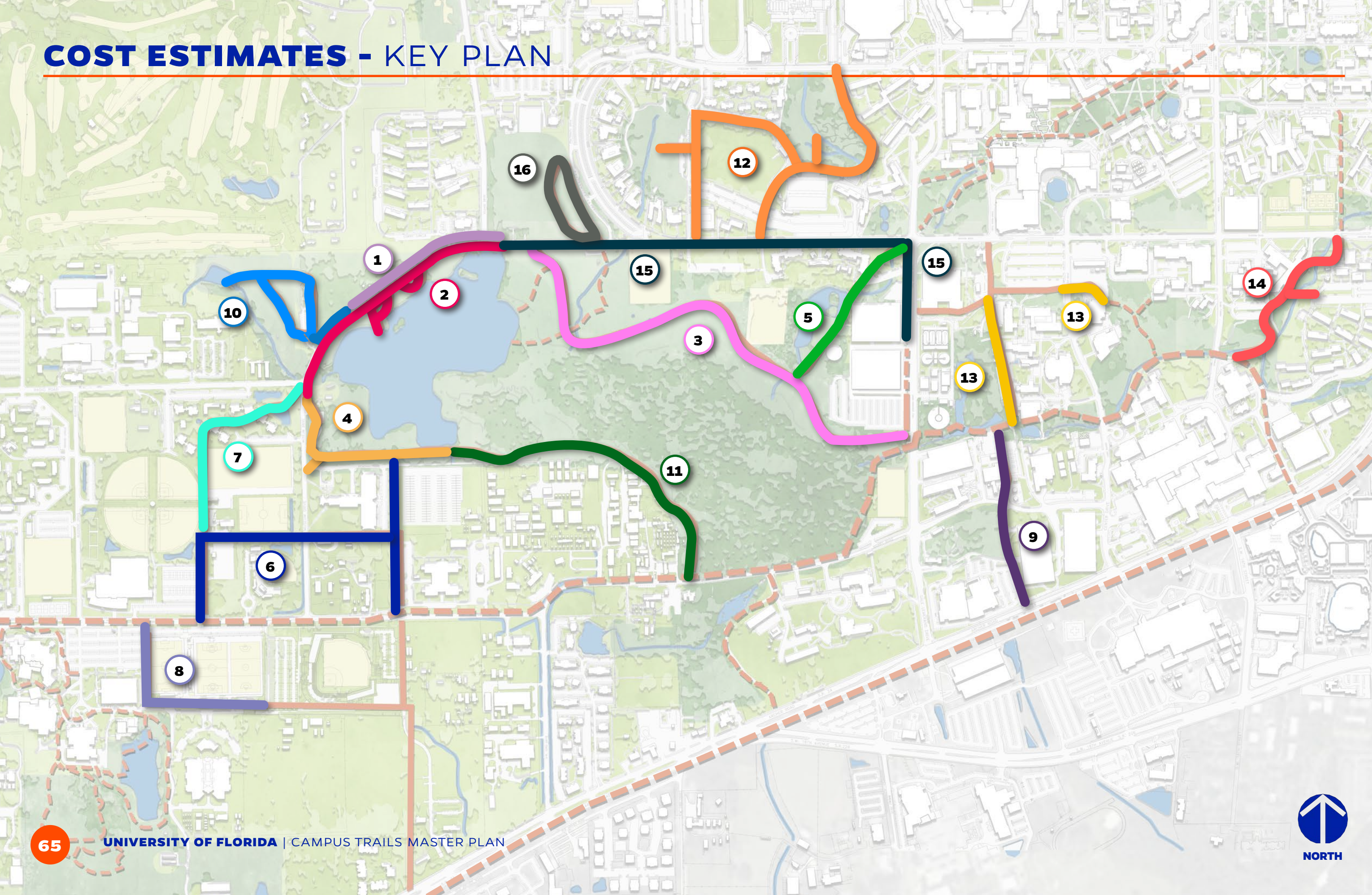




SECTION 5

APPENDICES

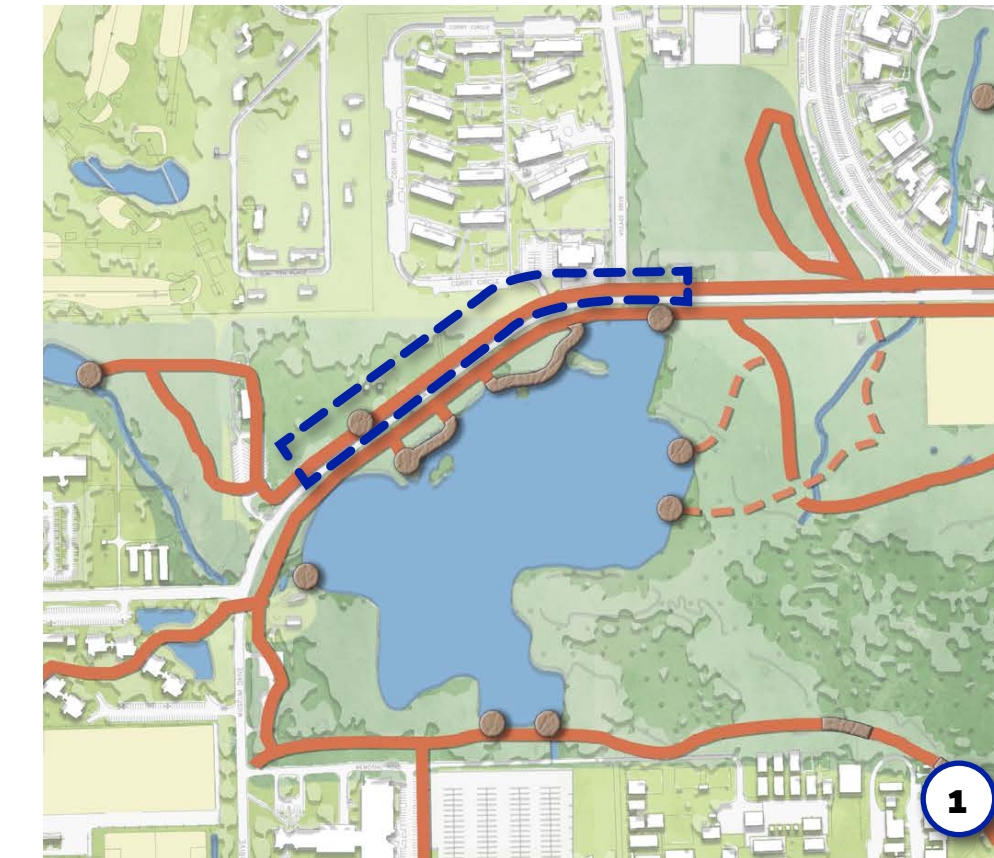
COST ESTIMATES - KEY PLAN



COST ESTIMATES

Area 1 - Bat House Viewing Area

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 35,000
Hardscape		\$ 200,000
Landscape & Irrigation		\$ 50,000
Site Furnishings		\$ 70,000
Wayfinding & Signage		\$ 50,000
Lighting		\$ 0
	SUBTOTAL	\$ 405,000
Mobilization & Contingency	25%	\$ 101,250
	PROJECT TOTAL	\$ 506,250
Design & Permitting	9%	\$ 46,000
	PROJECT GRAND TOTAL	\$ 552,250



Area 2 - Main Lake Alice

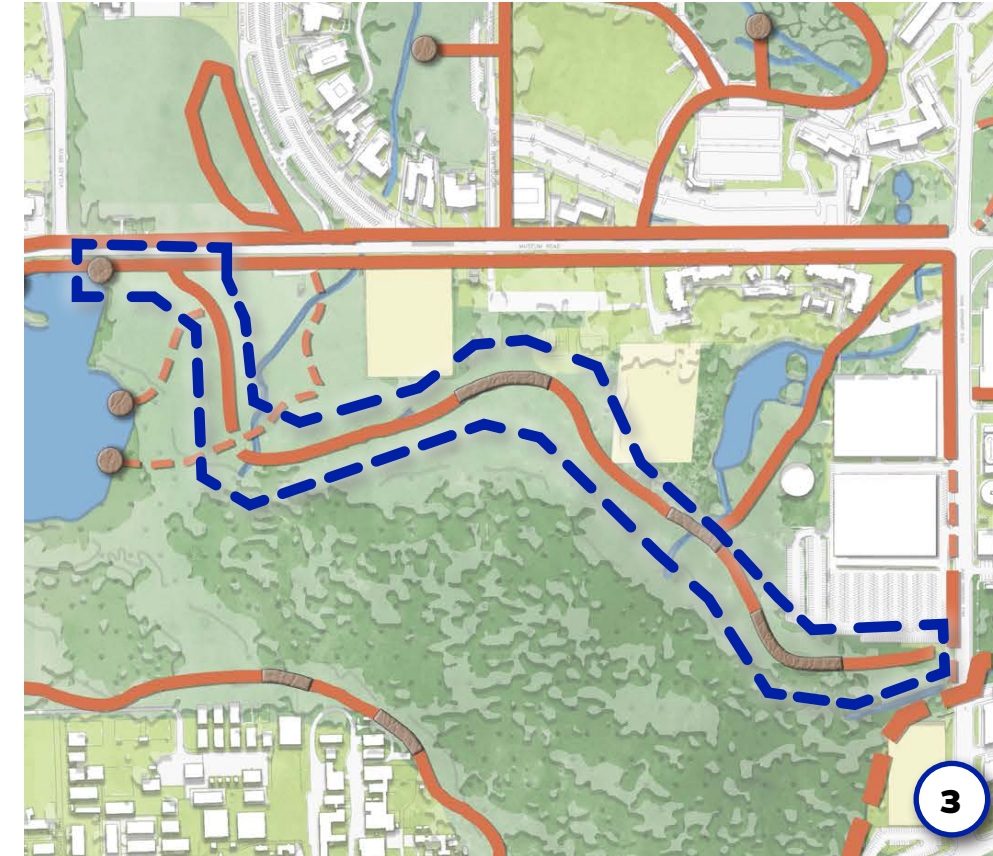
ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 90,000
Hardscape		\$ 2,544,000
Landscape & Irrigation		\$ 92,000
Site Furnishings		\$ 54,000
Wayfinding & Signage		\$ 50,000
Lighting		\$ 0
	SUBTOTAL	\$ 2,830,000
Mobilization & Contingency	25%	\$ 701,250
	PROJECT TOTAL	\$ 3,537,500
Design & Permitting	9%	\$ 319,000
	PROJECT GRAND TOTAL	\$ 3,856,500



COST ESTIMATES

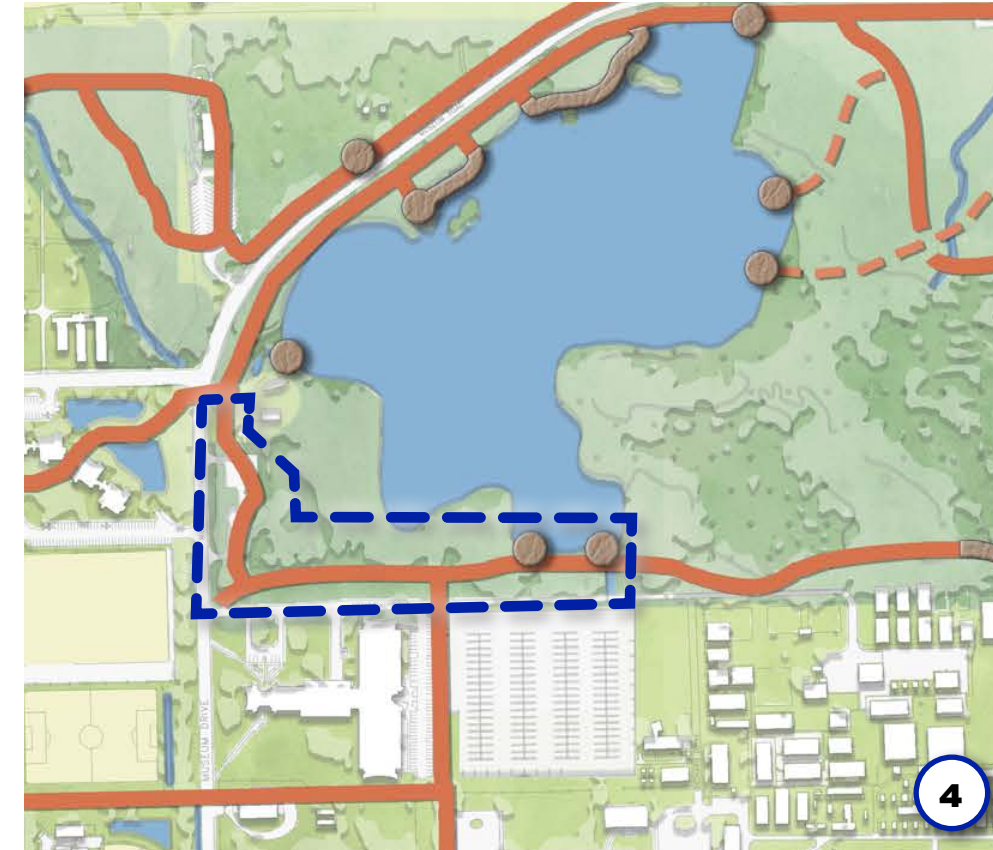
Area 3 - North Lake Alice

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 300,000
Hardscape		\$ 1,457,000
Landscape & Irrigation		\$ 17,000
Site Furnishings		\$ 58,000
Wayfinding & Signage		\$ 25,000
Lighting		\$ 0
	SUBTOTAL	\$ 1,857,000
Mobilization & Contingency	25%	\$ 464,250
	PROJECT TOTAL	\$ 2,321,250
Design & Permitting	9%	\$ 209,000
	PROJECT GRAND TOTAL	\$ 2,530,250



Area 4 - Ficke Gardens to Boat Ramp

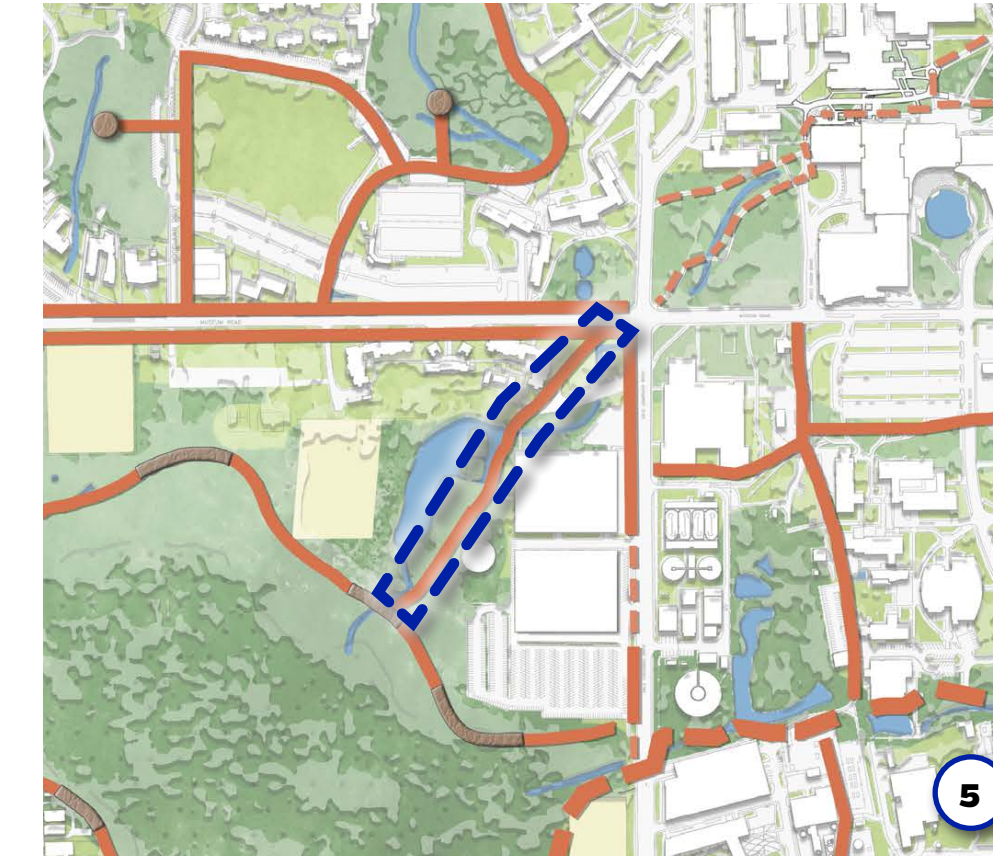
ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 80,000
Hardscape		\$ 1,151,000
Landscape & Irrigation		\$ 85,000
Site Furnishings		\$ 20,000
Wayfinding & Signage		\$ 11,000
Lighting		\$ 225,000
	SUBTOTAL	\$ 1,572,000
Mobilization & Contingency	25%	\$ 393,000
	PROJECT TOTAL	\$ 1,965,000
Design & Permitting	9%	\$ 177,000
	PROJECT GRAND TOTAL	\$ 2,142,200



COST ESTIMATES

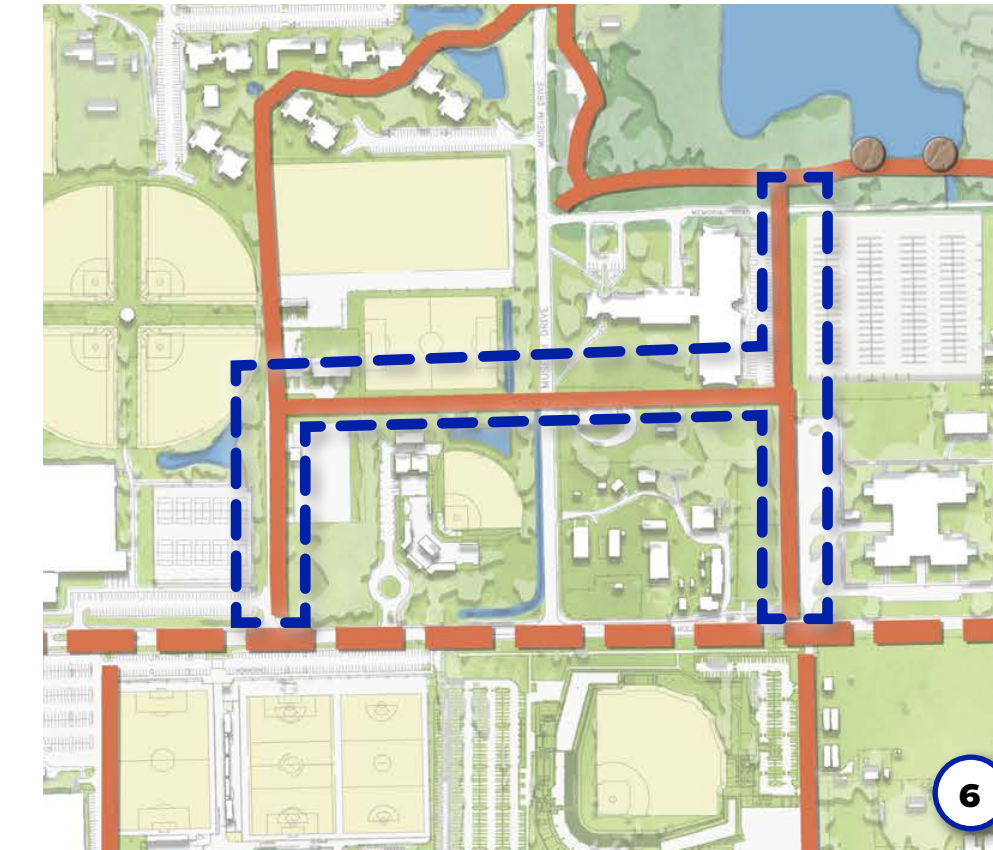
Area 5 - Hume Creek

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 200,000
Hardscape		\$ 680,000
Landscape & Irrigation		\$ 2,000
Site Furnishings		\$ 0
Wayfinding & Signage		\$ 6,000
Lighting		\$ 0
	SUBTOTAL	\$ 888,000
Mobilization & Contingency	25%	\$ 222,000
	PROJECT TOTAL	\$ 1,110,000
Design & Permitting	9%	\$ 100,000
	PROJECT GRAND TOTAL	\$ 1,210,000



Area 6 - Fifield

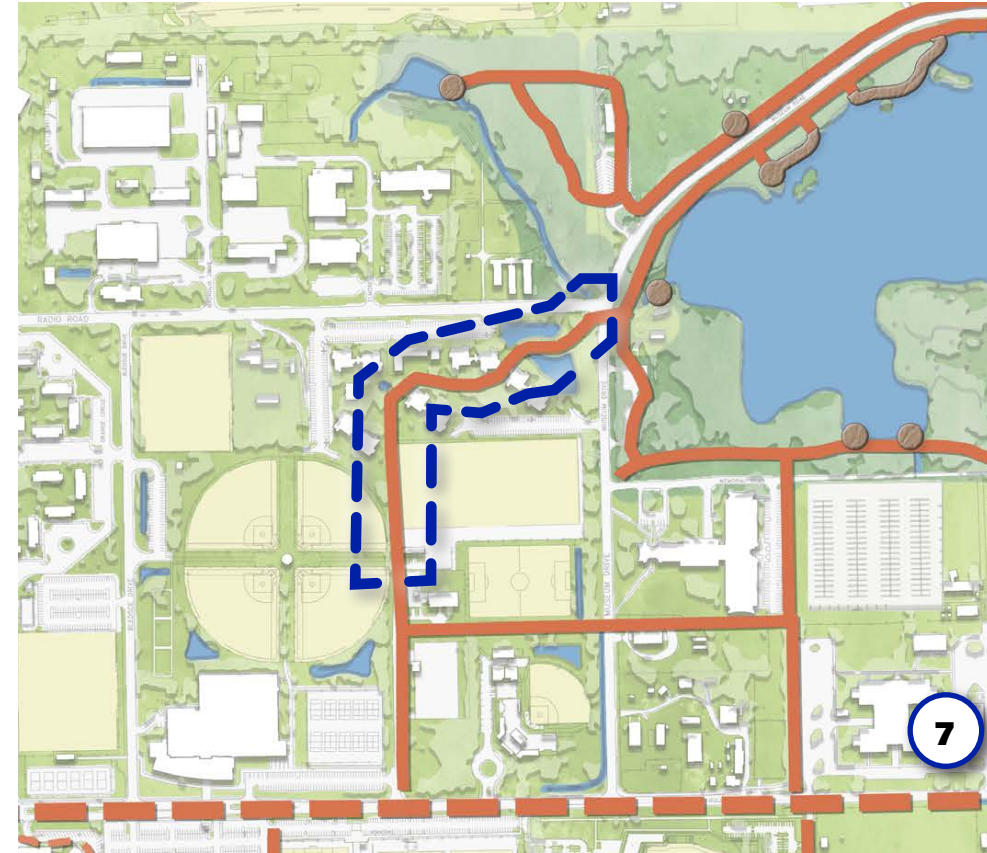
ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 100,000
Hardscape		\$ 216,000
Landscape & Irrigation		\$ 76,000
Site Furnishings		\$ 0
Wayfinding & Signage		\$ 15,000
Lighting		\$ 563,000
	SUBTOTAL	\$ 970,000
Mobilization & Contingency	25%	\$ 242,500
	PROJECT TOTAL	\$ 1,212,500
Design & Permitting	9%	\$ 110,000
	PROJECT GRAND TOTAL	\$ 1,322,500



COST ESTIMATES

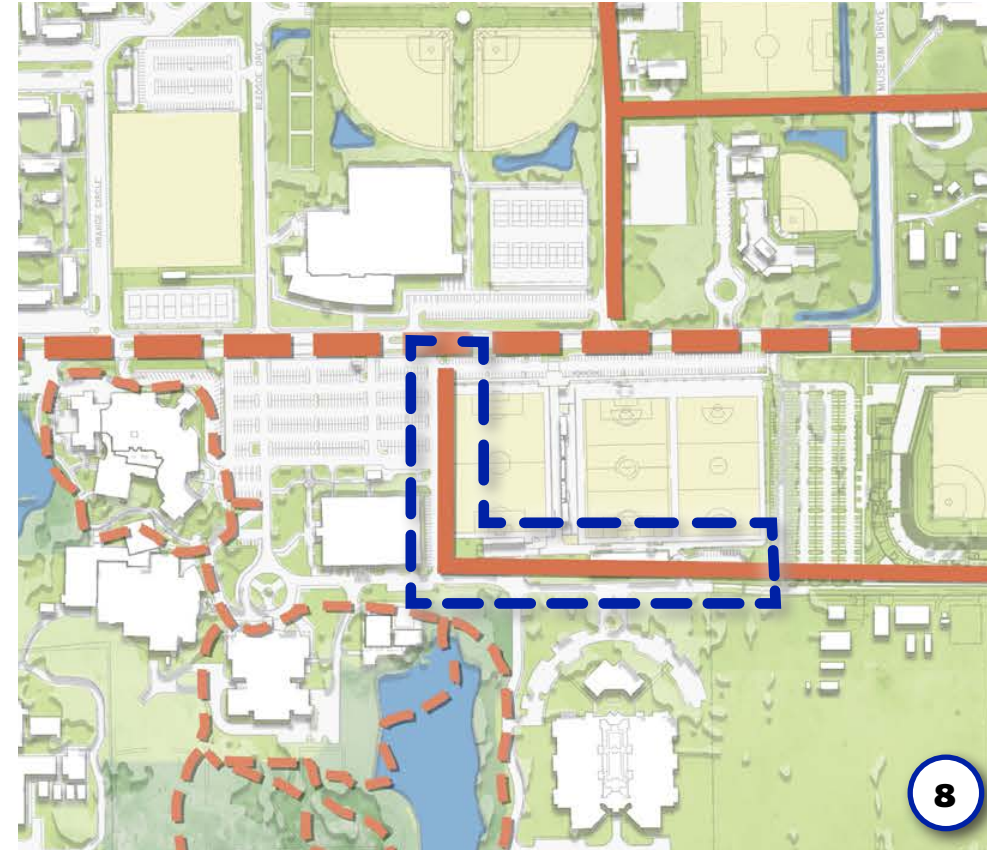
Area 7 - Lakeside

ITEM	PRICE	
Site Demolition, Grading, & Site Work	\$	40,000
Hardscape	\$	101,000
Landscape & Irrigation	\$	2,000
Site Furnishings	\$	0
Wayfinding & Signage	\$	7,000
Lighting	\$	263,000
	SUBTOTAL	\$ 413,000
Mobilization & Contingency	25%	\$ 103,250
	PROJECT TOTAL	\$ 516,250
Design & Permitting	9%	\$ 47,000
	PROJECT GRAND TOTAL	\$ 563,250



Area 8 - SW Recreation Center to NATL

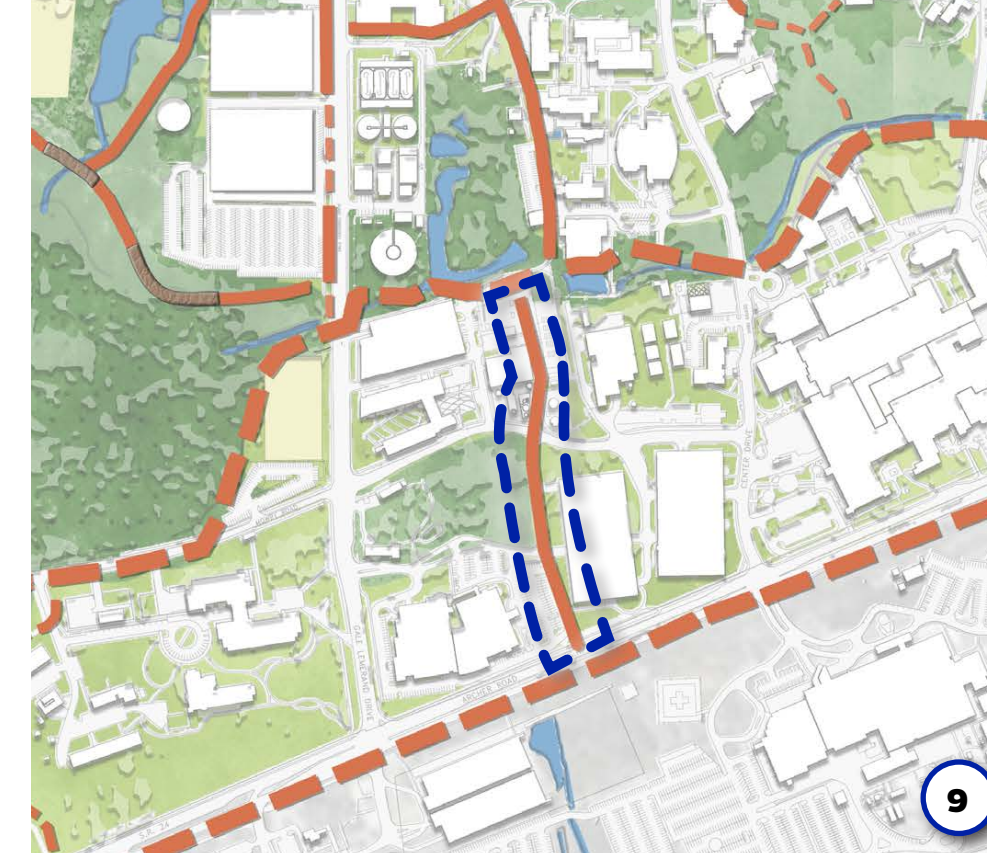
ITEM	PRICE	
Site Demolition, Grading, & Site Work	\$	50,000
Hardscape	\$	144,000
Landscape & Irrigation	\$	51,000
Site Furnishings	\$	0
Wayfinding & Signage	\$	10,000
Lighting	\$	188,000
	SUBTOTAL	\$ 443,000
Mobilization & Contingency	25%	\$ 110,750
	PROJECT TOTAL	\$ 553,750
Design & Permitting	9%	\$ 50,000
	PROJECT GRAND TOTAL	\$ 603,750



COST ESTIMATES

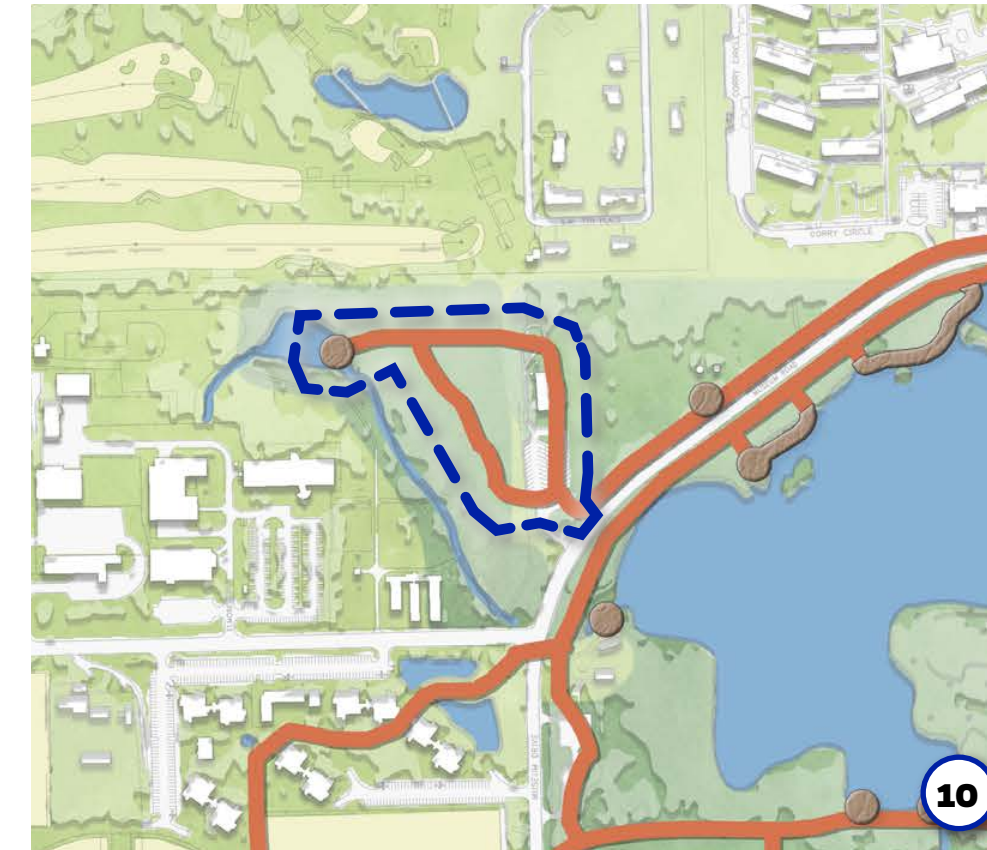
Area 9 - Wilmot Gardens

ITEM	PRICE	
Site Demolition, Grading, & Site Work	\$	150,000
Hardscape	\$	108,000
Landscape & Irrigation	\$	38,000
Site Furnishings	\$	0
Wayfinding & Signage	\$	11,000
Lighting	\$	282,000
	SUBTOTAL	\$ 589,000
Mobilization & Contingency	25%	\$ 147,250
	PROJECT TOTAL	\$ 736,250
Design & Permitting	9%	\$ 67,000
	PROJECT GRAND TOTAL	\$ 803,250



Area 10 - Bat House Woods

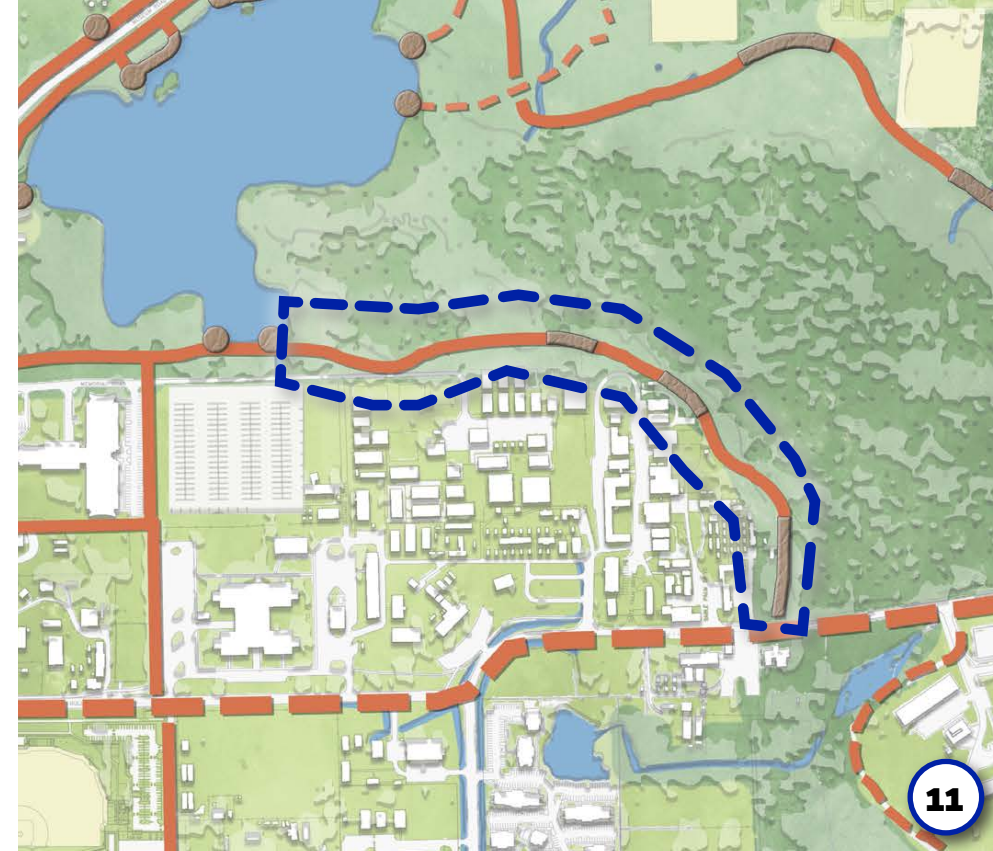
ITEM	PRICE	
Site Demolition, Grading, & Site Work	\$	60,000
Hardscape	\$	203,000
Landscape & Irrigation	\$	2,000
Site Furnishings	\$	0
Wayfinding & Signage	\$	10,000
Lighting	\$	0
	SUBTOTAL	\$ 275,000
Mobilization & Contingency	25%	\$ 68,750
	PROJECT TOTAL	\$ 343,750
Design & Permitting	9%	\$ 31,000
	PROJECT GRAND TOTAL	\$ 374,750



COST ESTIMATES

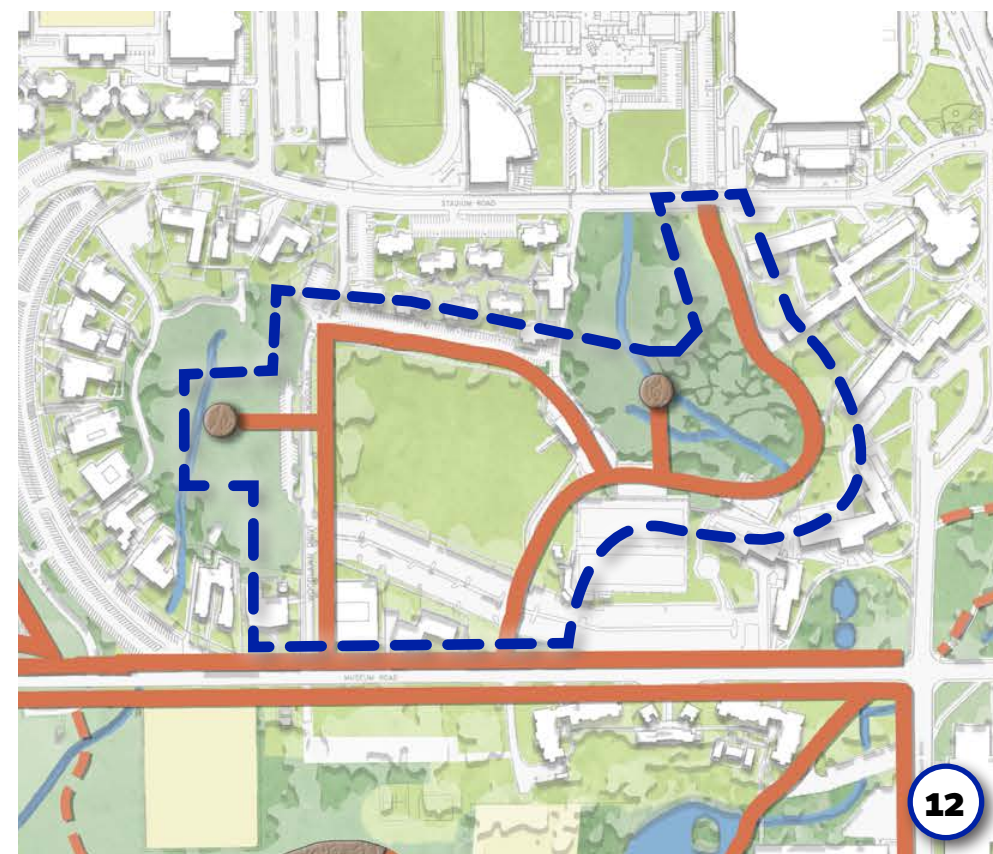
Area 11 - Lake Alice South

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 220,000
Hardscape		\$ 1,595,00
Landscape & Irrigation		\$ 2,000
Site Furnishings		\$ 20,000
Wayfinding & Signage		\$ 12,000
Lighting		\$ 0
	SUBTOTAL	\$ 1,849,000
Mobilization & Contingency	25%	\$ 462,250
	PROJECT TOTAL	\$ 2,311,250
Design & Permitting	9%	\$ 208,000
	PROJECT GRAND TOTAL	\$ 2,519,250



Area 12 - Graham Woods

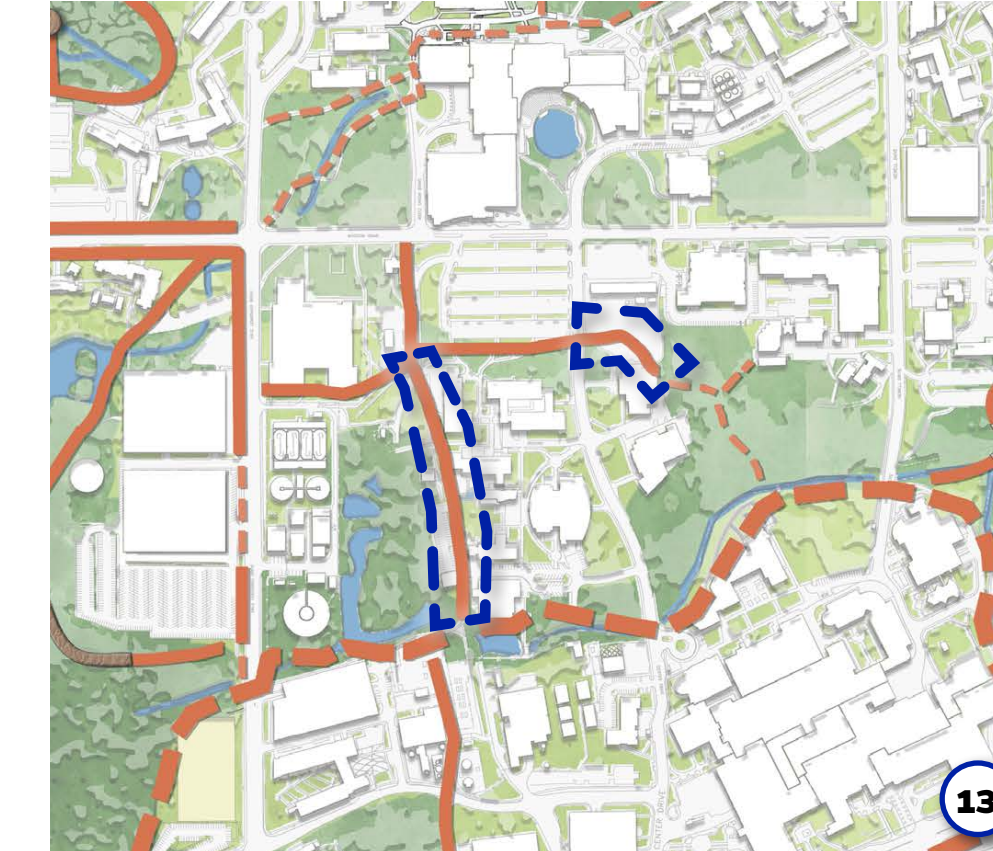
ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 125,000
Hardscape		\$ 882,000
Landscape & Irrigation		\$ 70,000
Site Furnishings		\$ 20,000
Wayfinding & Signage		\$ 22,000
Lighting		\$ 150,000
	SUBTOTAL	\$ 1,269,000
Mobilization & Contingency	25%	\$ 317,250
	PROJECT TOTAL	\$ 1,586,250
Design & Permitting	9%	\$ 143,000
	PROJECT GRAND TOTAL	\$ 1,729,250



COST ESTIMATES

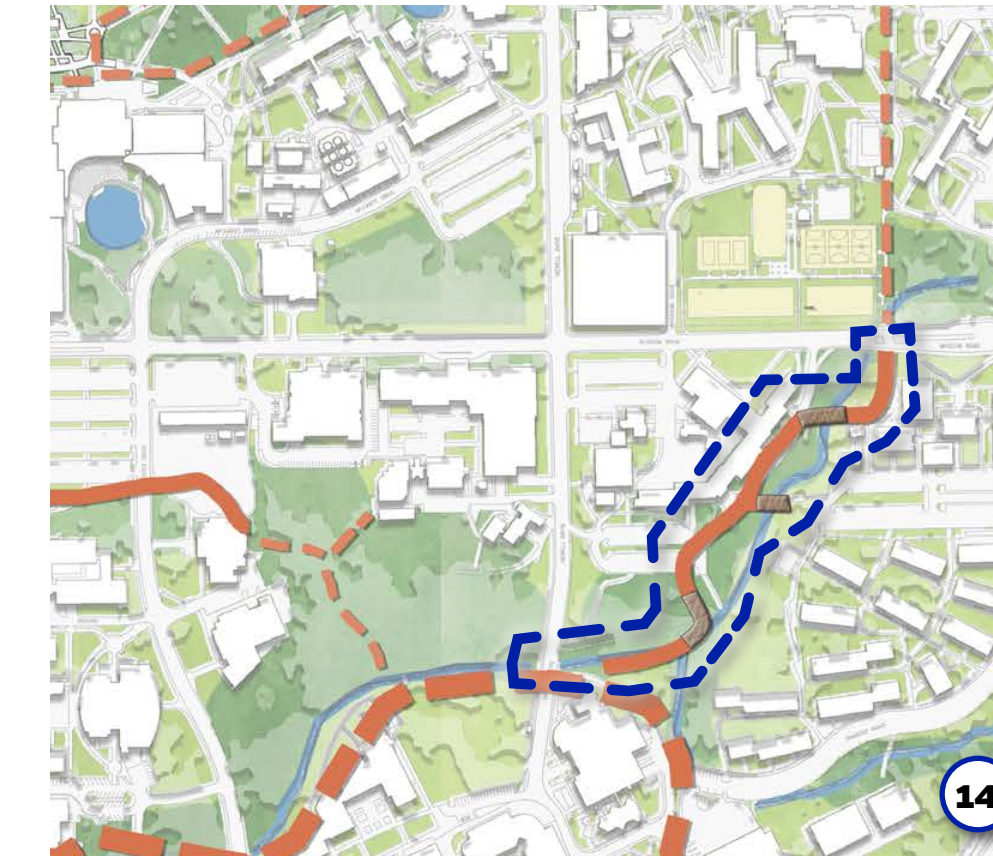
Area 13 - Sweetwater Drive Extension

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 125,000
Hardscape		\$ 94,000
Landscape & Irrigation		\$ 33,000
Site Furnishings		\$ 30,000
Wayfinding & Signage		\$ 8,000
Lighting		\$ 244,000
	SUBTOTAL	\$ 534,000
Mobilization & Contingency	25%	\$ 133,500
	PROJECT TOTAL	\$ 667,500
Design & Permitting	9%	\$ 61,000
	PROJECT GRAND TOTAL	\$ 728,500



Area 14 - Jennings Creek

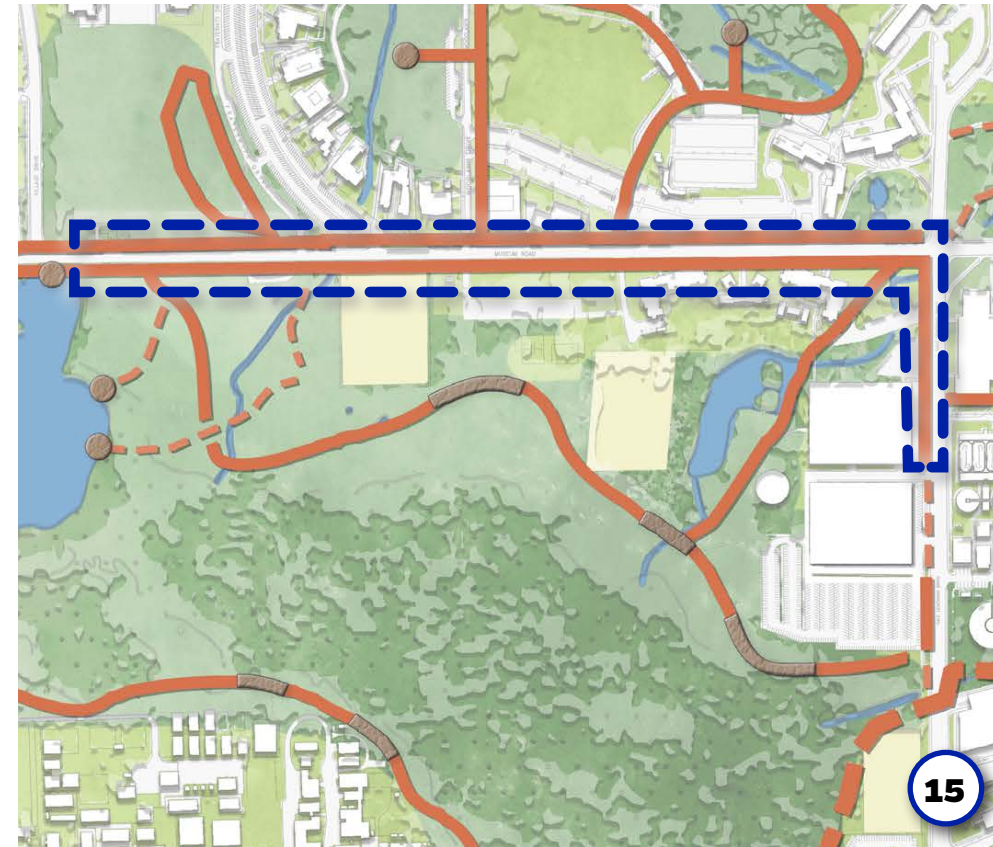
ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 430,000
Hardscape		\$ 2,675,000
Boardwalk (Northern)		\$ 950,000
Boardwalk (Central)		\$ 600,000
Boardwalk (Southern)		\$ 1,050,000
Other Hardscape		\$ 75,000
Landscape & Irrigation		\$ 26,000
Site Furnishings		\$ 30,000
Wayfinding & Signage		\$ 9,000
	SUBTOTAL	\$ 3,170,000
Mobilization & Contingency	25%	\$ 792,500
	PROJECT TOTAL	\$ 3,962,500
Design & Permitting	9%	\$ 357,000
	PROJECT GRAND TOTAL	\$ 4,319,500



COST ESTIMATES

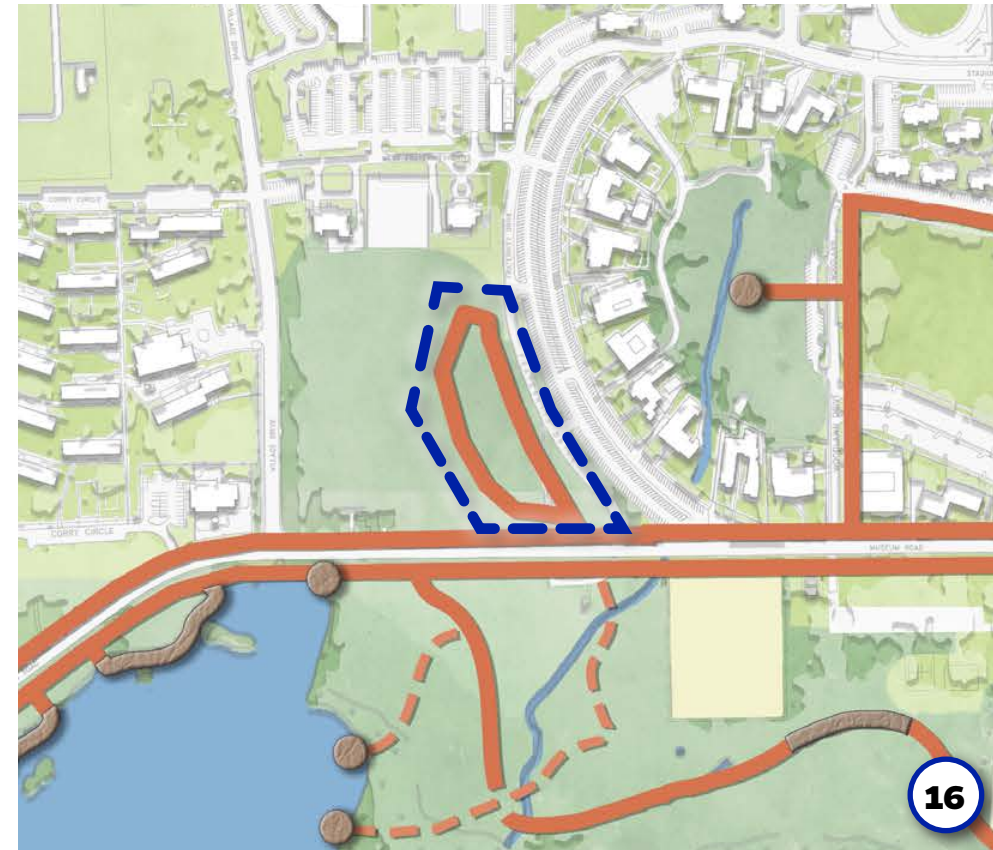
Area 15 - Museum Road Extension

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 125,000
Hardscape		\$ 490,000
Landscape & Irrigation		\$ 67,000
Site Furnishings		\$ 20,000
Wayfinding & Signage		\$ 35,000
Lighting		\$ 0
	SUBTOTAL	\$ 737,000
Mobilization & Contingency	25%	\$ 184,250
	PROJECT TOTAL	\$ 921,250
Design & Permitting	9%	\$ 83,000
	PROJECT GRAND TOTAL	\$ 1,004,250



Area 16 - Harmonic Woods

ITEM		PRICE
Site Demolition, Grading, & Site Work		\$ 65,000
Hardscape		\$ 96,000
Landscape & Irrigation		\$ 6,000
Site Furnishings		\$ 0
Wayfinding & Signage		\$ 6,000
Lighting		\$ 0
	SUBTOTAL	\$ 173,000
Mobilization & Contingency	25%	\$ 43,250
	PROJECT TOTAL	\$ 216,250
Design & Permitting	9%	\$ 20,000
	PROJECT GRAND TOTAL	\$ 236,250



COST ESTIMATES

Overall Campus Trails Master Plan

ITEM	PRICE
Area 1: Bat House Viewing Area	\$ 552,250
Area 2: Main Lake Alice	\$ 3,856,500
Area 3: North Lake Alice	\$ 2,530,250
Area 4: Ficke to Boat Ramp	\$ 2,142,200
Area 5: Hume Creek	\$ 1,210,000
Area 6: Fifield	\$ 1,322,500
Area 7: Lakeside	\$ 563,250
Area 8: SW Recreation Center to NATL	\$ 603,750
Area 9: Wilmot Gardens	\$ 803,250
Area 10: Bat House Woods	\$ 374,750
Area 11: Lake Alice South	\$ 2,519,250
Area 12: Graham Woods	\$ 1,729,250
Area 13: Sweetwater Drive Extension	\$ 728,500
Area 14: Jennings Creek	\$ 4,319,500
Area 15: Museum Road Extension	\$ 1,004,250
Area 16: Harmonic Woods	\$ 236,250
GRAND TOTAL	\$ 24,495,700





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