East Carolina University

Comprehensive Facilities Master Plan

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ISES

- Today's Goals
- Comments from Concept Plans
- Draft Plans
- Improvements by Mode
  - Pedestrians/Cyclists
  - Transit
  - Parking
- Parking Demand Reductions

Agenda

Today's Goals

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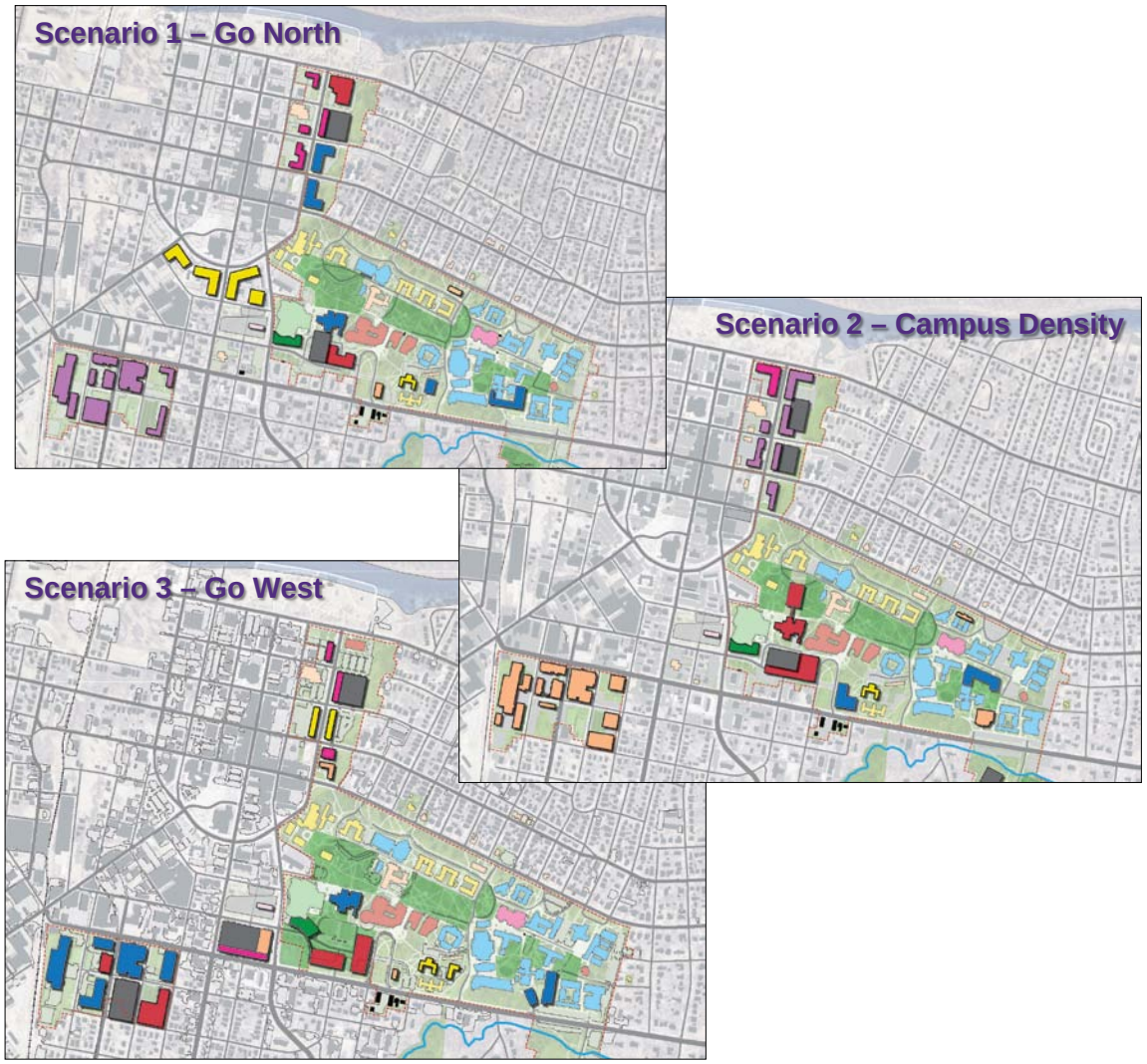
- Identify remaining gaps in draft plan
- Define future role of transit
- Identify how and where parking is provided in the future

Comments from Concept Plans

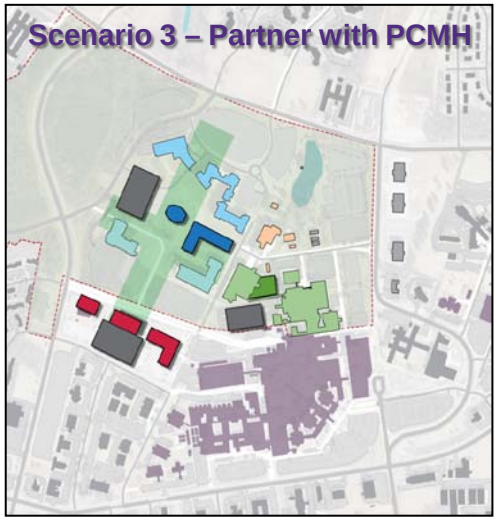
Main Campus Comments Received:

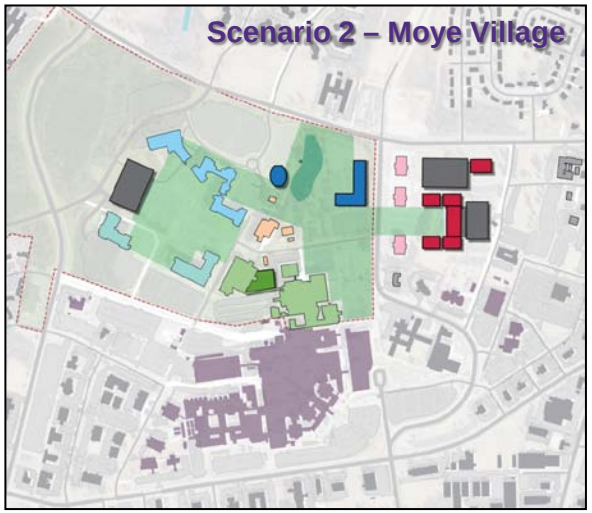
- Cutting off Founders Drive provides better pedestrian experience
- Joyner may not be the best place for a transit hub
- Improvements to 10th Street are needed
- 10th Street is better for transit than 5th Street

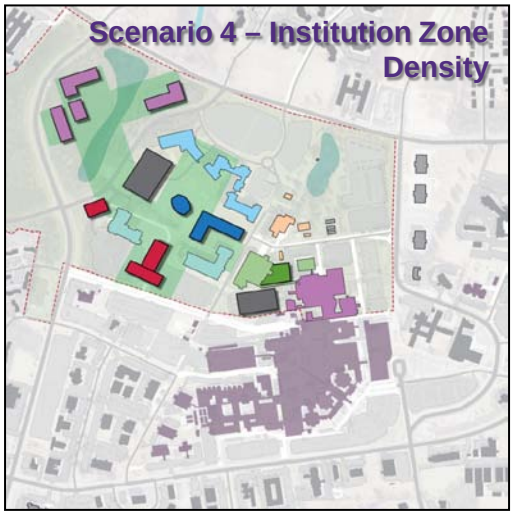


Health Science Campus Comments Received:

- Improve pedestrian/bicycle experience
- Dense building placement is preferred
- Visitor/patient parking is critical
- Patient experience is paramount
- Transit connections to main campus are important. Circulator less so.







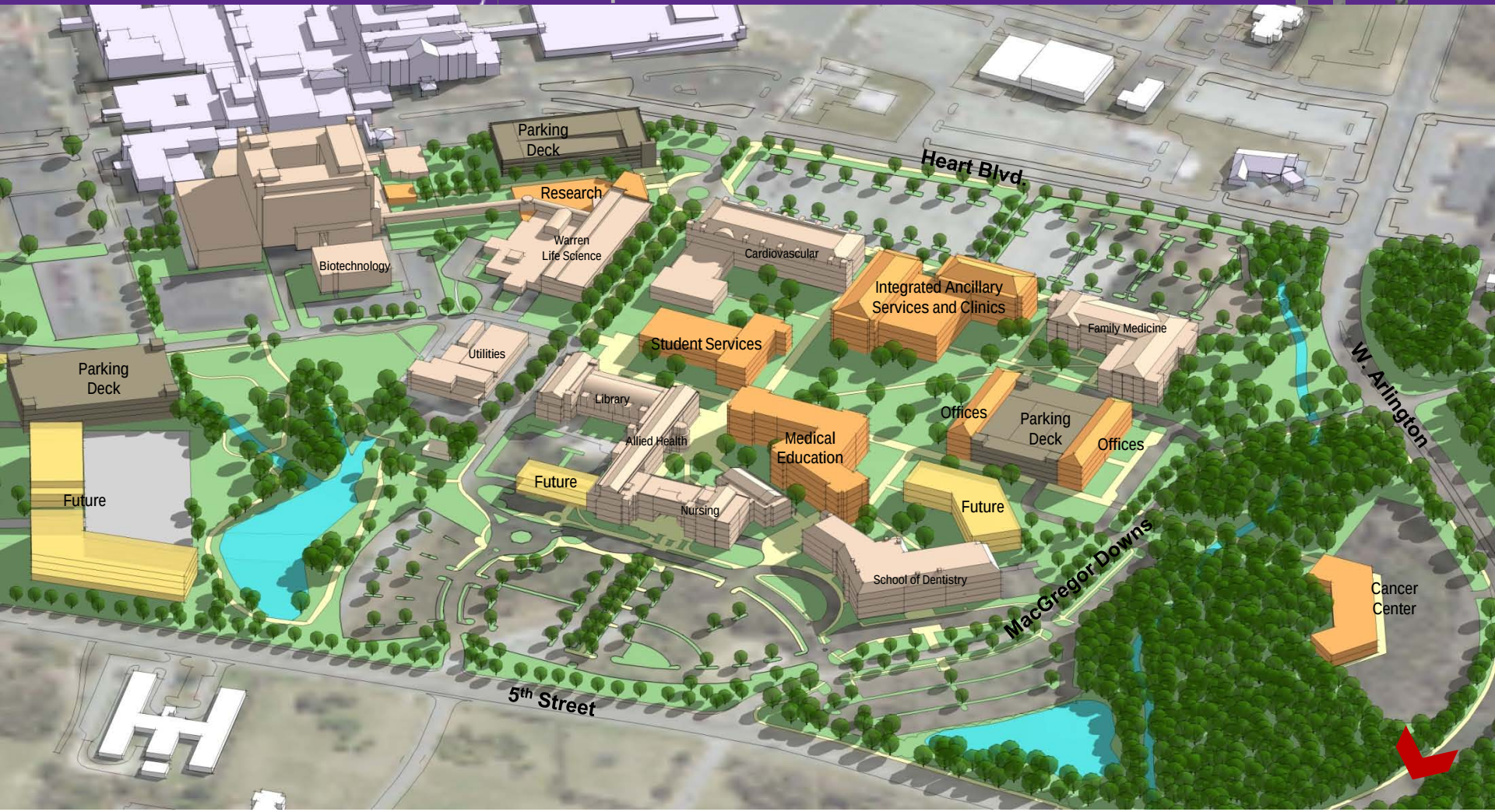
Draft Plans

Health Sciences Campus Draft Preliminary Master Plan

East Carolina University \\ Comprehensive Facilities Master Plan

Health Sciences Campus Draft Preliminary Master Plan

East Carolina University \\ Comprehensive Facilities Master Plan



Health Sciences Campus

Key features:

- Dense building placement
- Service Drive converted to pedestrian path
- Cancer Center located on Arlington Blvd
- Parking on Moye Blvd maintained

Building Legend

Pre 2025

Post 2025

Main Campus Draft Preliminary Master Plan


Reade St.
5th St.
Jenkins
Joyner Library
Bate
Mendenhall
Student Center
Parking Deck
Wendell Smiley Way
Future
Umstead
9th St.
Visitors Center
Future Intermodal Transit Center
Cotanche
Rec Center Expansion
Future
Evans St.
Parking Deck
Academic A
10th St.
Future Opportunities


West End Dining
5th St.
4th St.
3rd St.
2nd St.
1st St.
Parking Deck
Foundation/ Swing Space
Alumni Center
Future
Future
Future Mixed Use/ Academic
Future Parking Deck
Visual & Performing Arts Complex
Reade St.
Future Hotel/Conference
Evans St.
Town Common
Downtown District

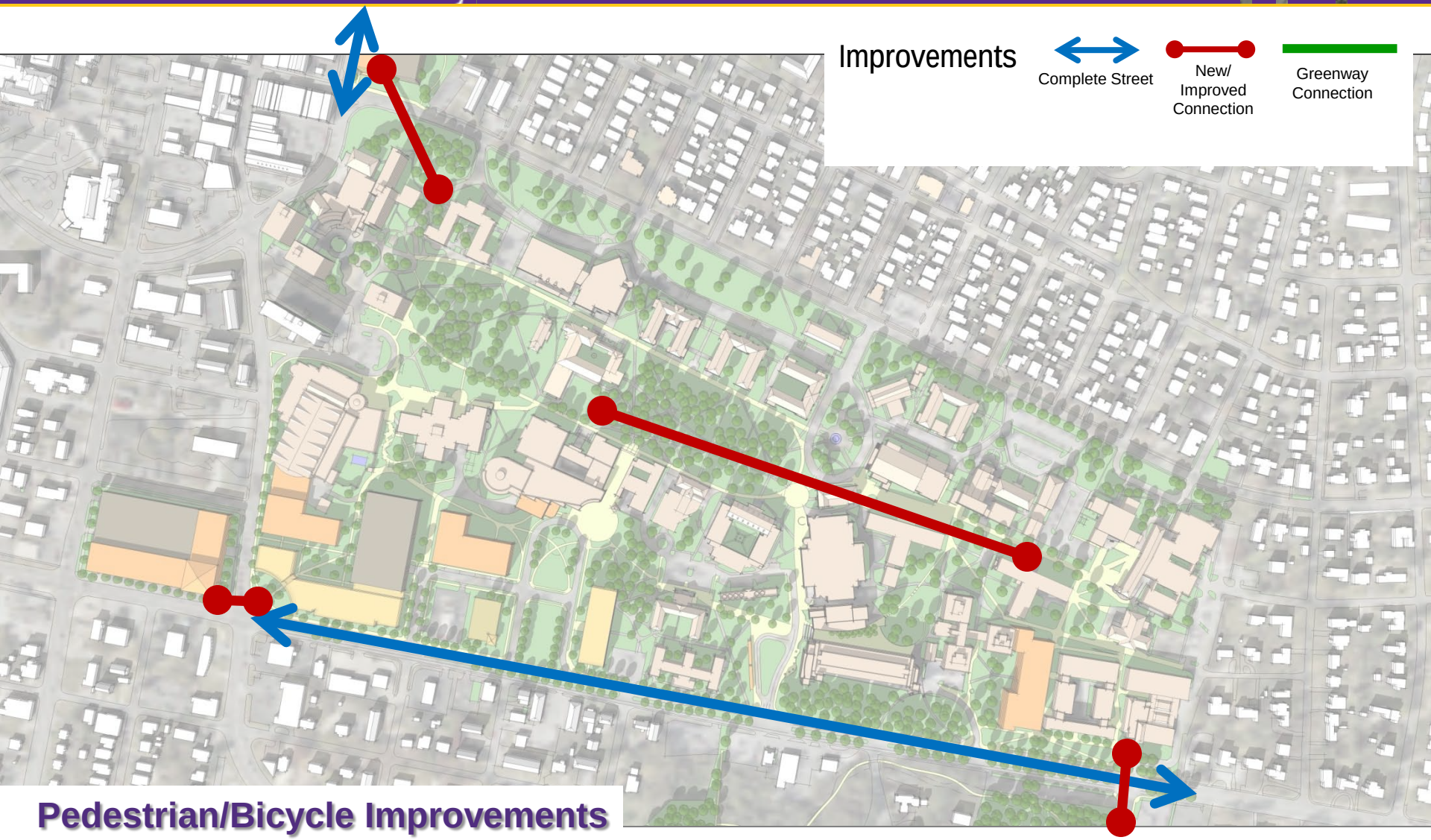

Future 10th Street Connector
ECU Shipping & Receiving
5th St.
RR
S. Clark
Facilities
Facilities
Police
Parking, Public Safety,
Mail Services
IT
&
Offices
S. Pitt
Future
Millennial Campus
Future
Millennial Campus
S. Greene
12th St.
11th St.
S. Washington
Evans St.
Warehouse District

Key features:

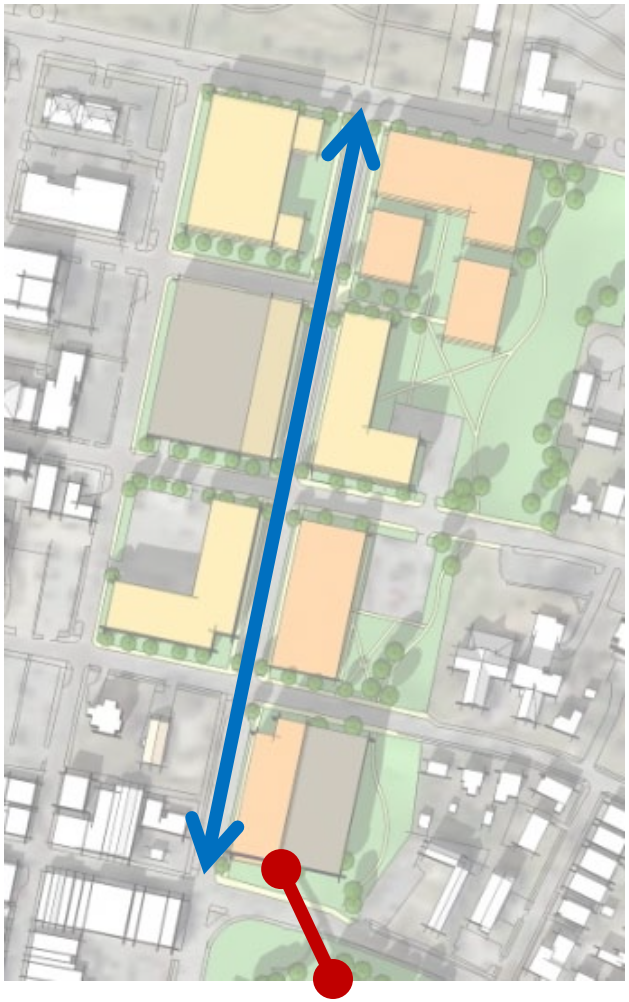
- Transit Hub at Founders Drive and 10th Street
- Pedestrian walkway over 5th Street
- Parking removed from central areas
- Improvements to 10th Street
- Academic A building on corner of 10th Street and Cotanche Street

Improvements by Mode

Pedestrian/Bicycle Improvements



Pedestrian/Bicycle Improvements

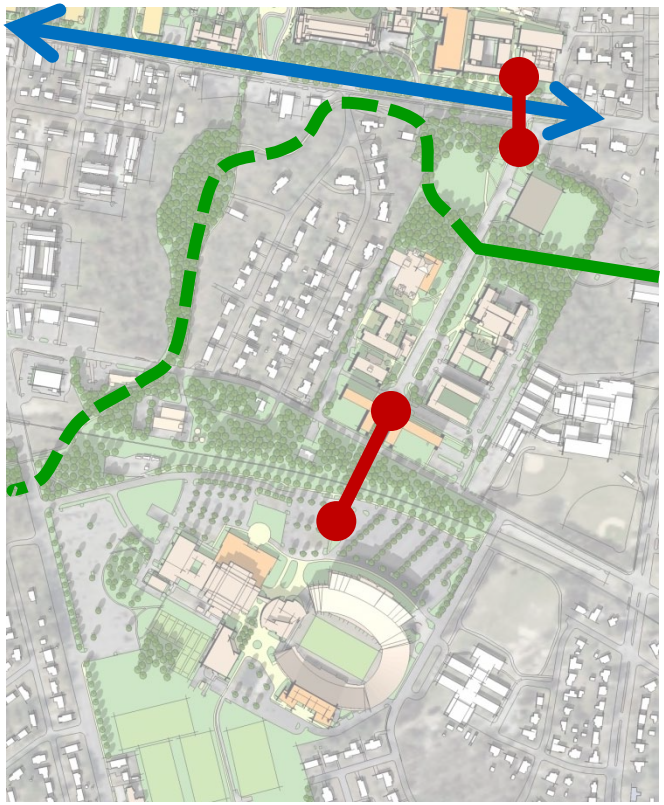


Improvements

Complete Street

New/ Improved Connection

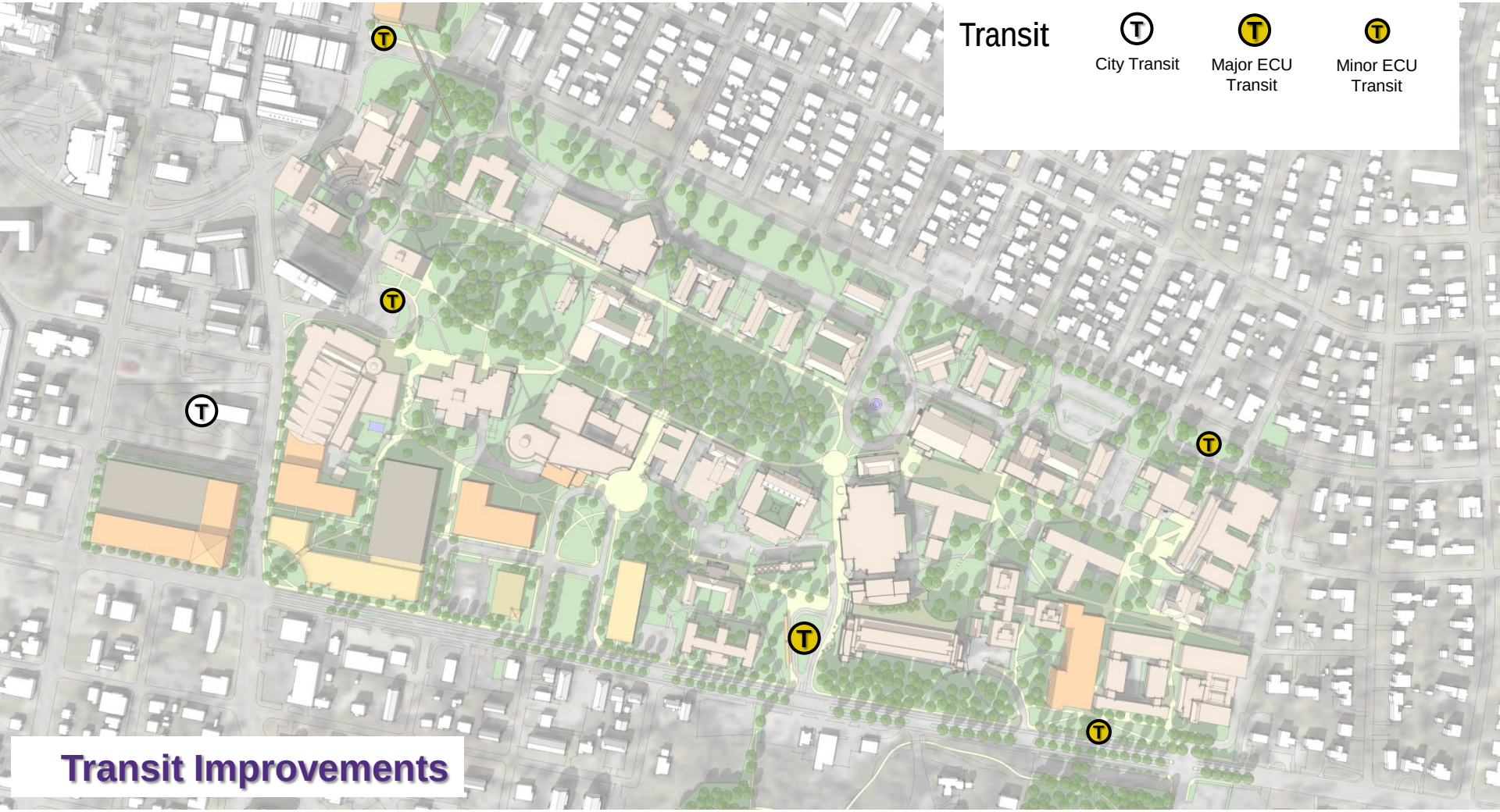
Greenway Connection



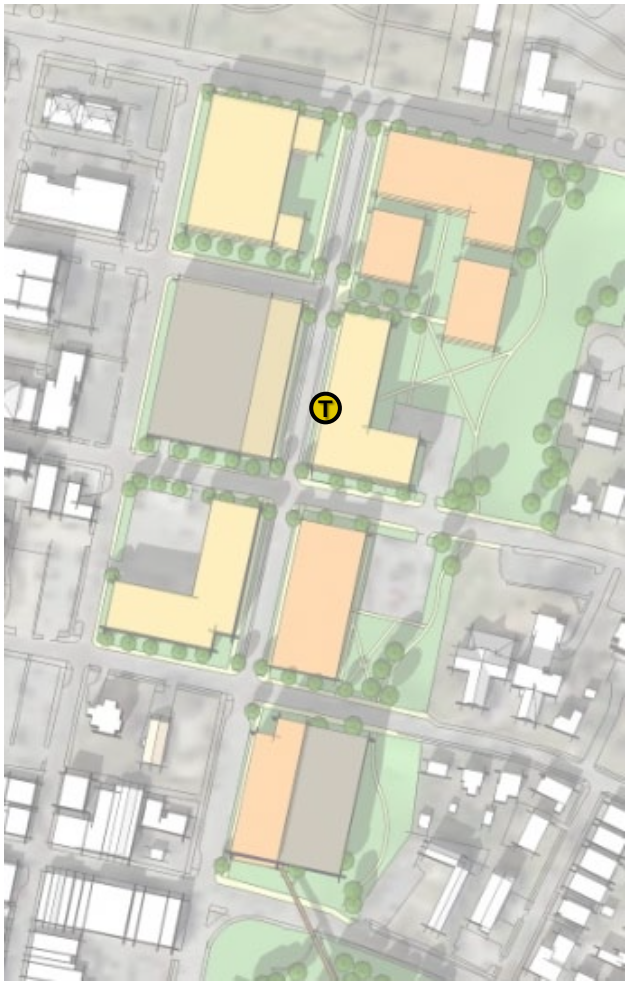
Pedestrian/Bicycle Improvements

Pedestrian/Bicycle Improvements

Transit Improvements



Transit Improvements

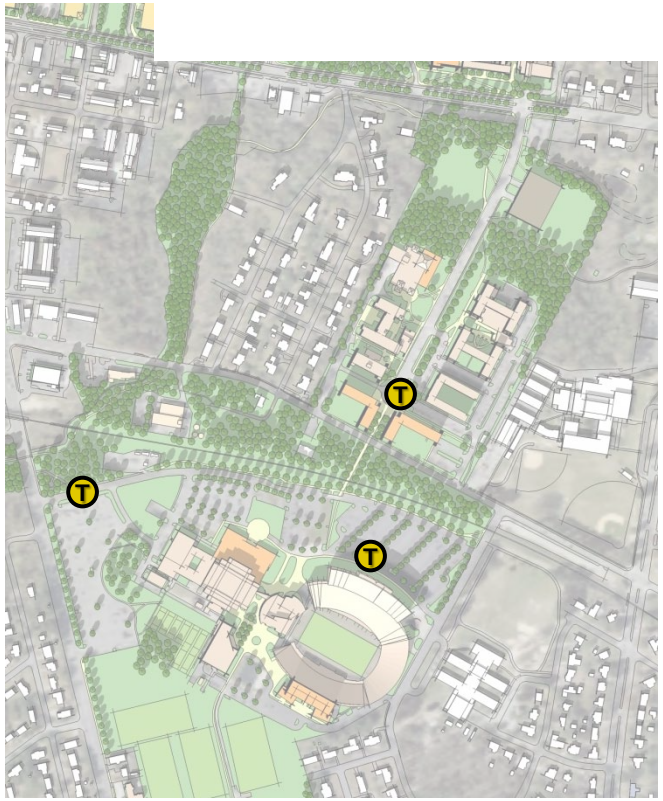


Transit

City Transit

Major ECU Transit

Minor ECU Transit



Transit Improvements

Transit Improvements

Parking Improvements

Parking Projection Assumptions

- Utilize all existing parking
- Current services remain intact
- No demand reductions
- Current demand is less than current supply

Projected Parking Demand

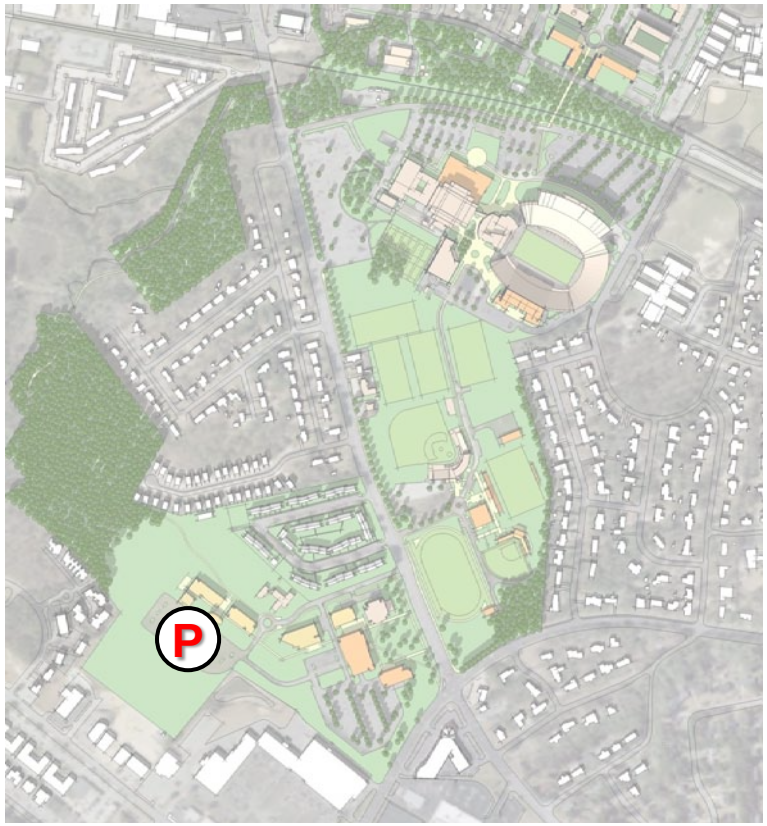
Campus	Current Demand (Spaces per person)	Projected 2025 Population	2025 Parking Demand	Current Inventory	Net Gain Needed
Main Campus	0.345*	29,000 people	10,000	8,300*	*+1,700*
Health Sciences Campus	n/a	5,400 people + patients	4,900**	3,100	*+1,800*

* - Assumes limited impact of Dickson Street Lot

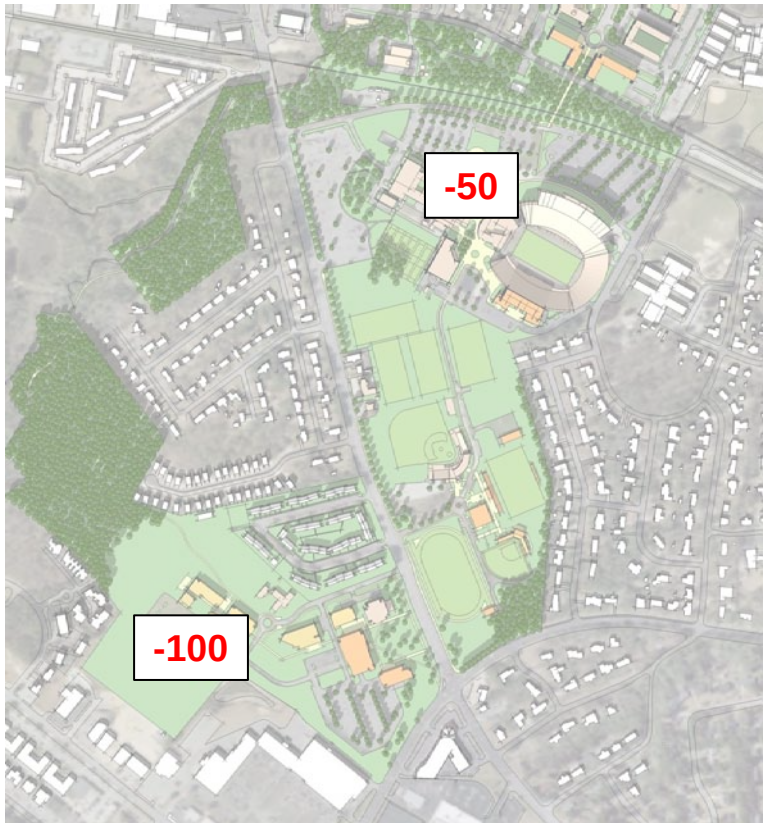
** - Demand Calculated by Smith Group

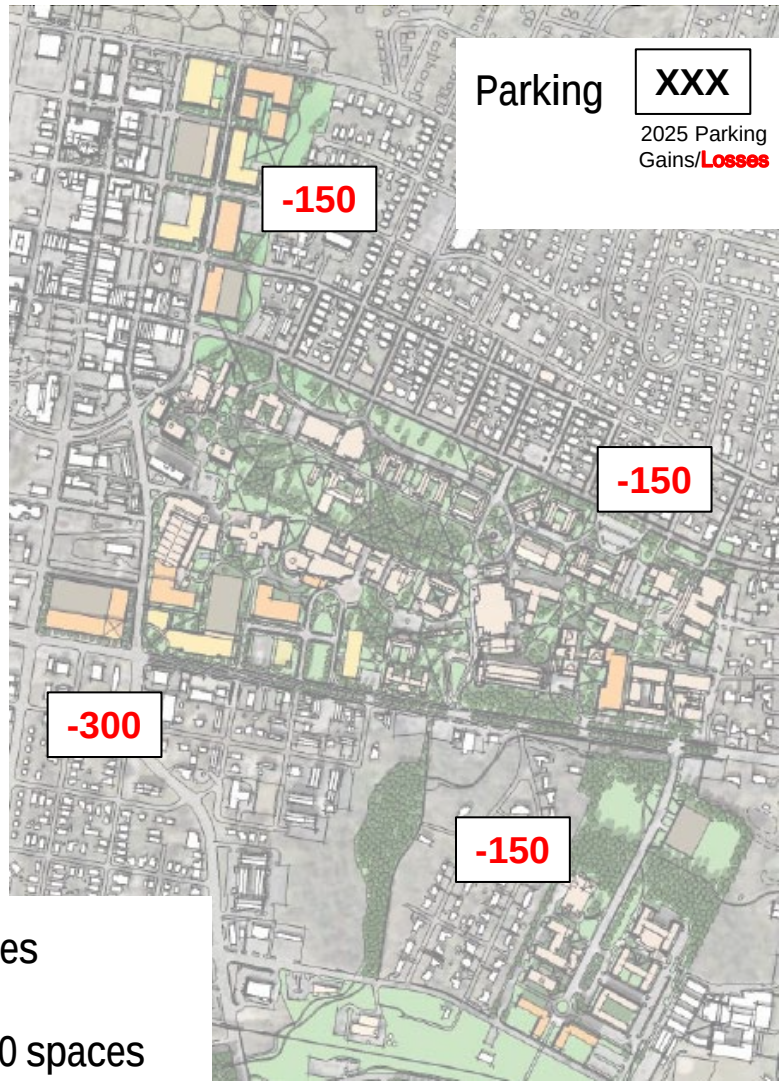
Additional Consideration

- Structured vs. Surface space cost
  - Structured space - $1,500/yr
  - Surface space - $400/yr
- How is new parking paid for?
  - Users – Permit fees
  - Projects - Capital costs
  - Donors/University – Alumna gift



Parking Locations

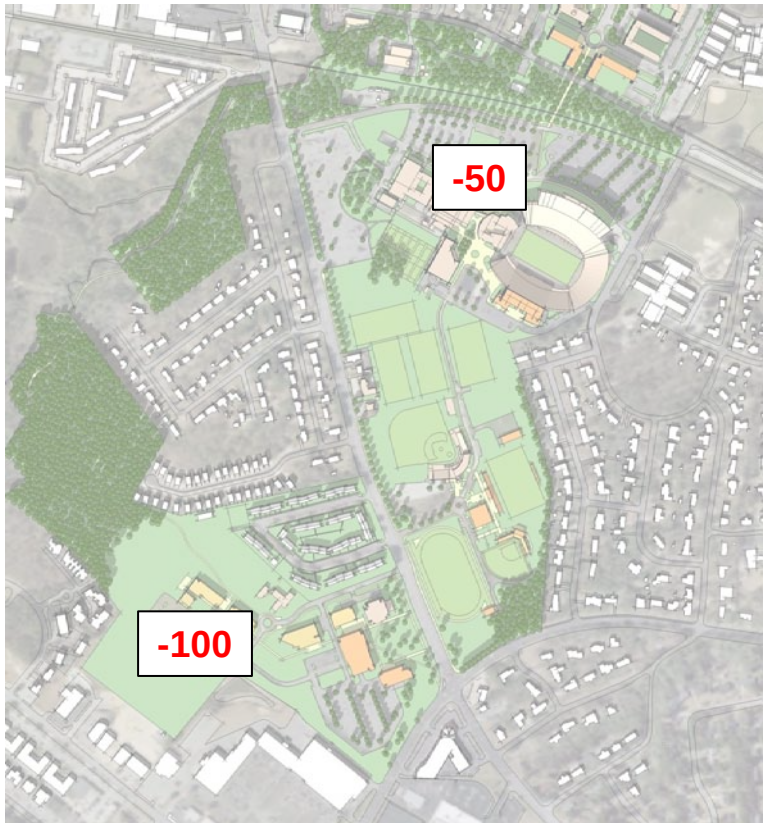


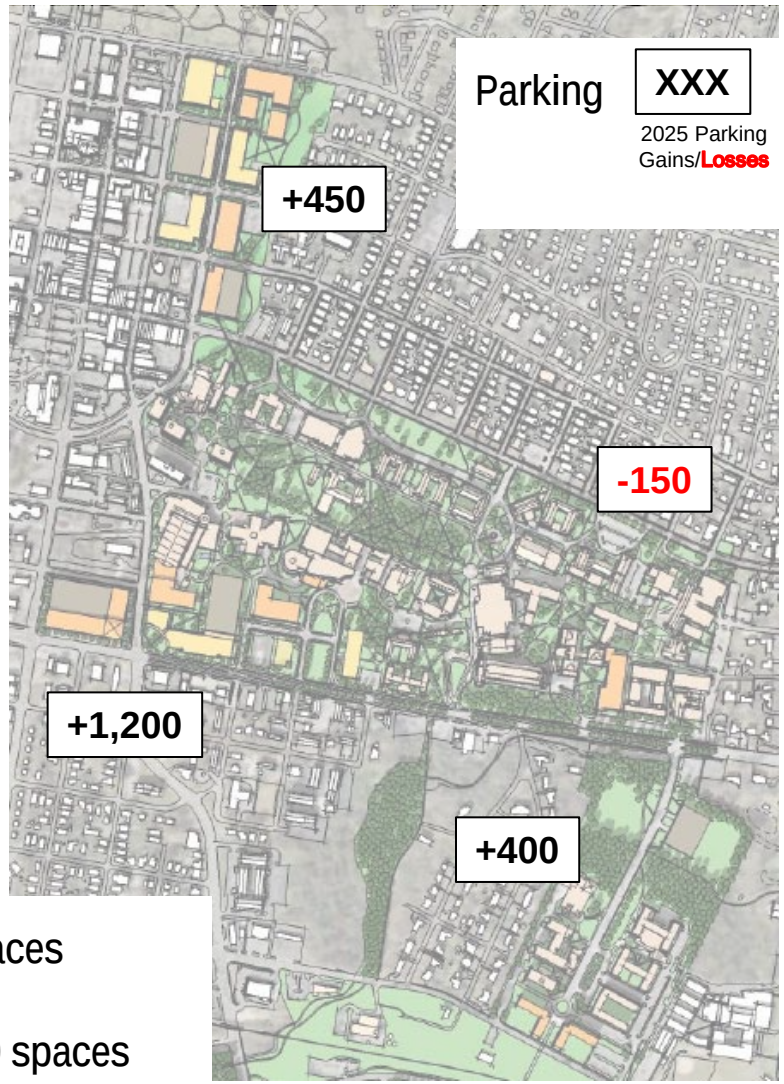


Parking Changes – No Decks

Net Loss: ~900 spaces

Future Deficit: ~2,600 spaces

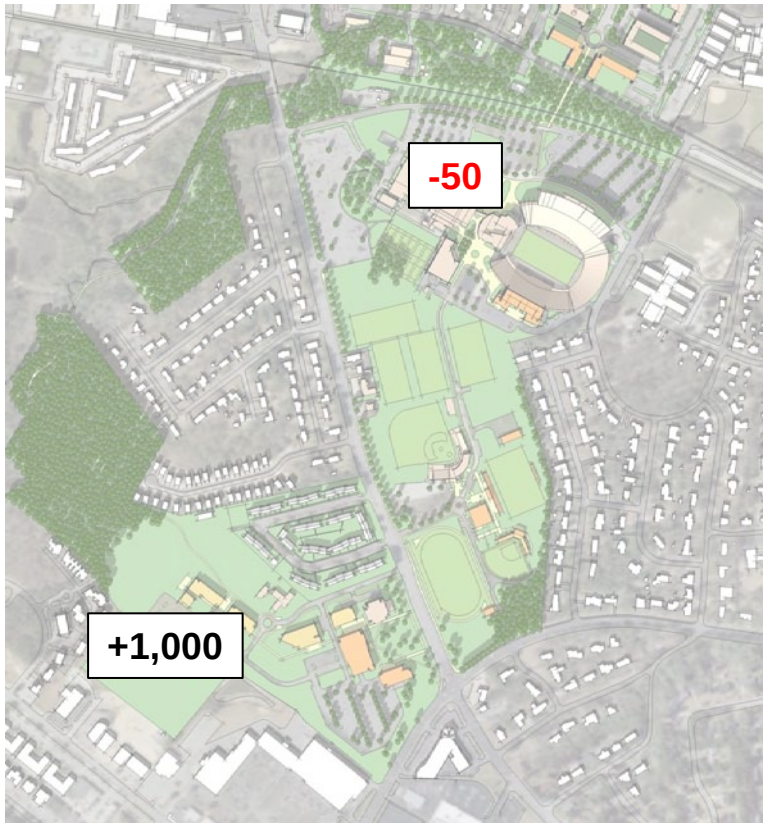


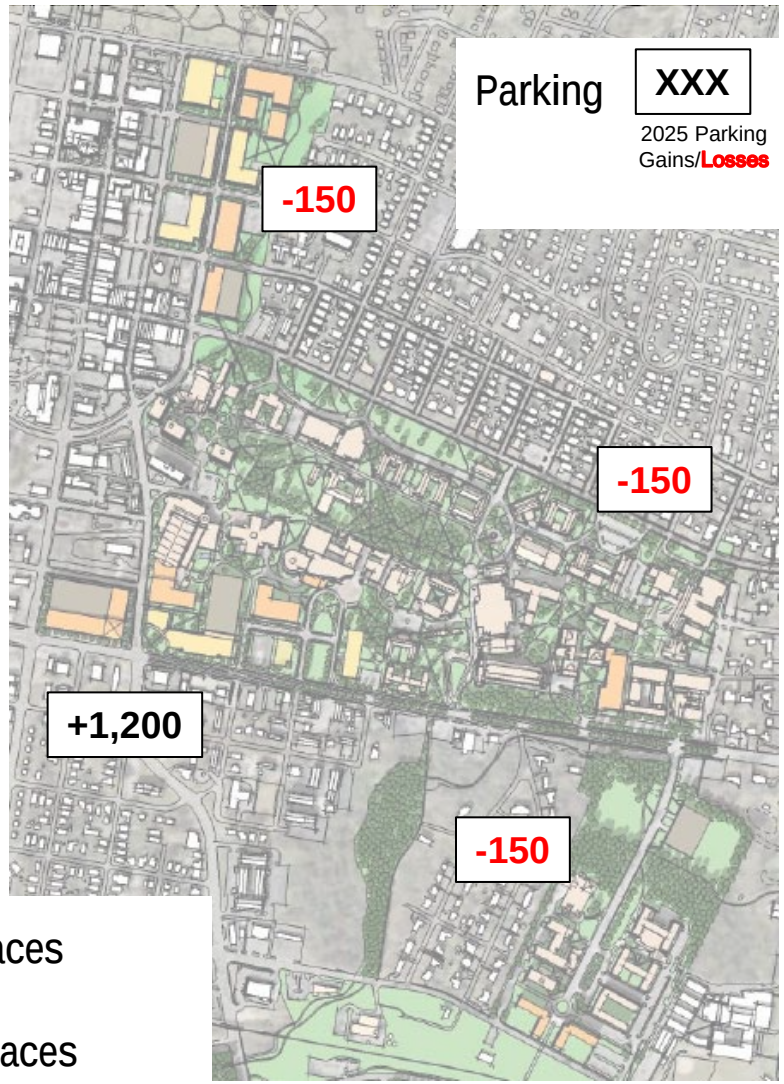


Parking Changes – All Decks

Net Gain: ~1,750 spaces

Future Surplus: ~ 50 spaces





Parking Changes – Remote Parking + Two Decks

Net Gain: ~1,700 spaces

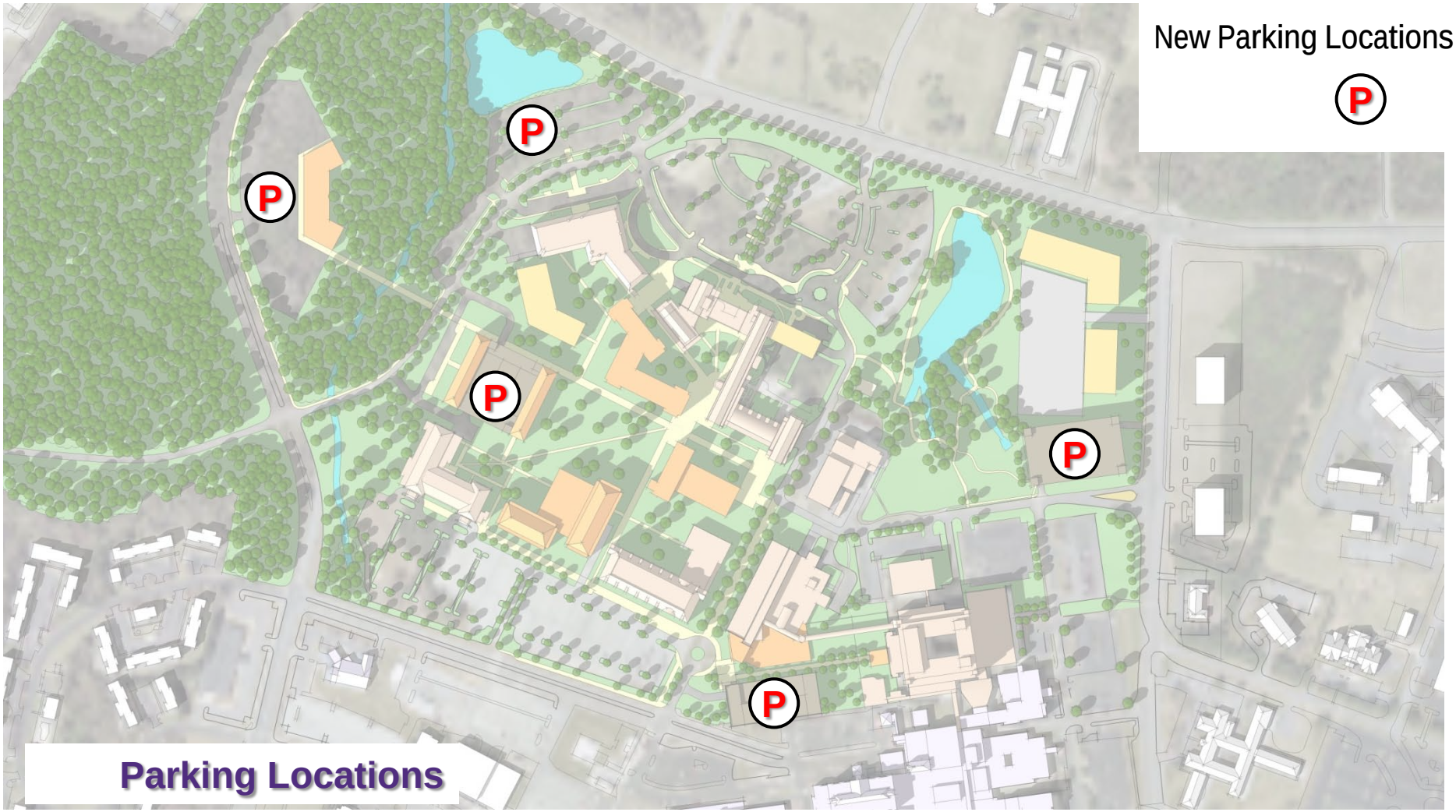
Future Deficit: ~0 spaces

Main Campus
Potential Parking Supply and Demand

Scenario	Current Spaces	Parking Increase/ Decrease	2025 Parking Supply	2025 Demand	Surplus/ Deficit
No Decks	8,300	(900)	7,400	10,000	*2,600*
All Decks	8,300	1,750	10,050	10,000	*50*
Remote Parking + Two Decks	8,300	1,700	10,000	10,000	*0*

Notes:
1) Demand is based on current demand levels
2) Remote Parking + Two Decks assumes Student Union and 10th and Cotanche Decks are constructed and a new 1,000 space lot near HHP is constructed

Parking Changes – Recap


New Parking Locations
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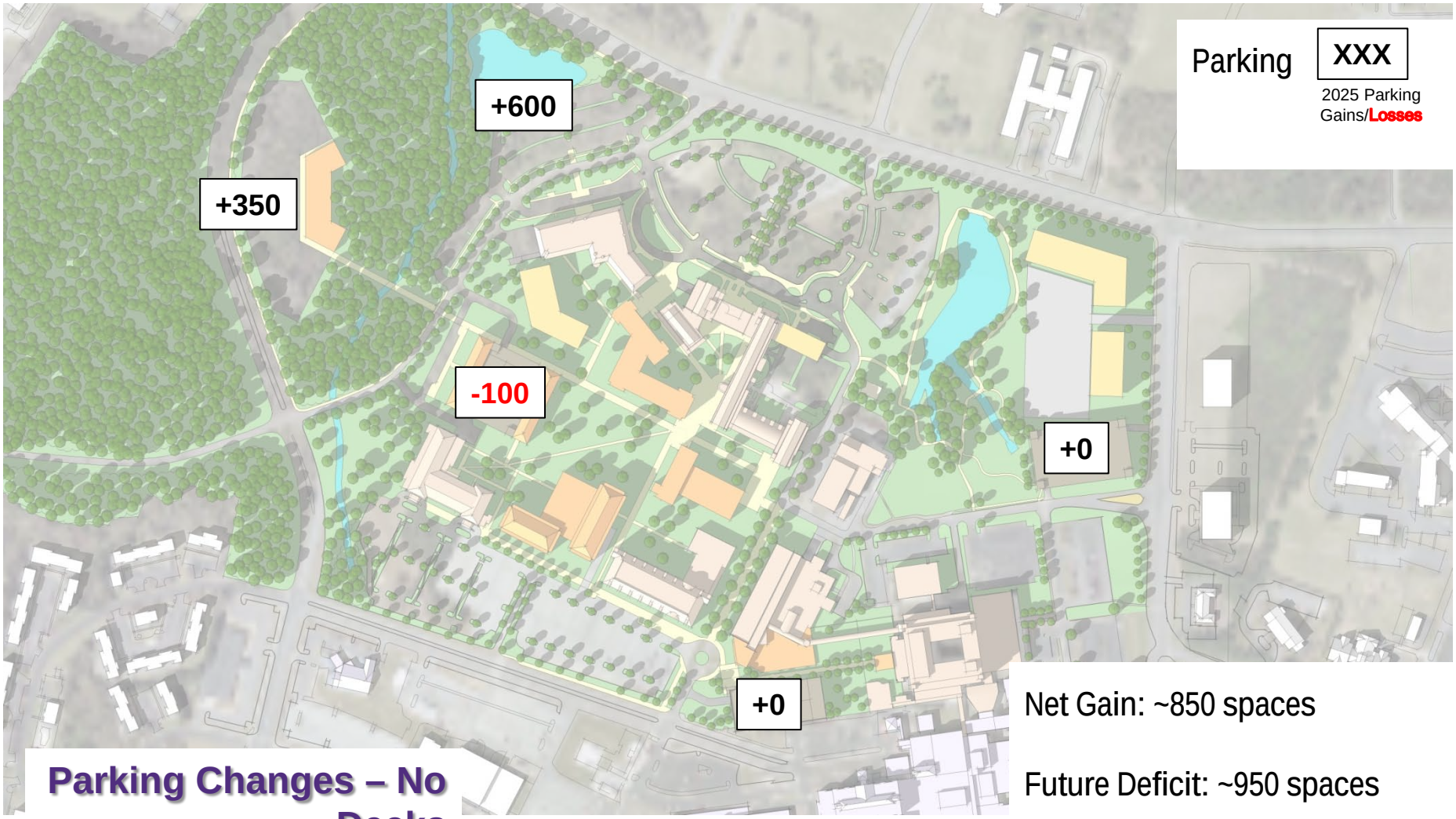
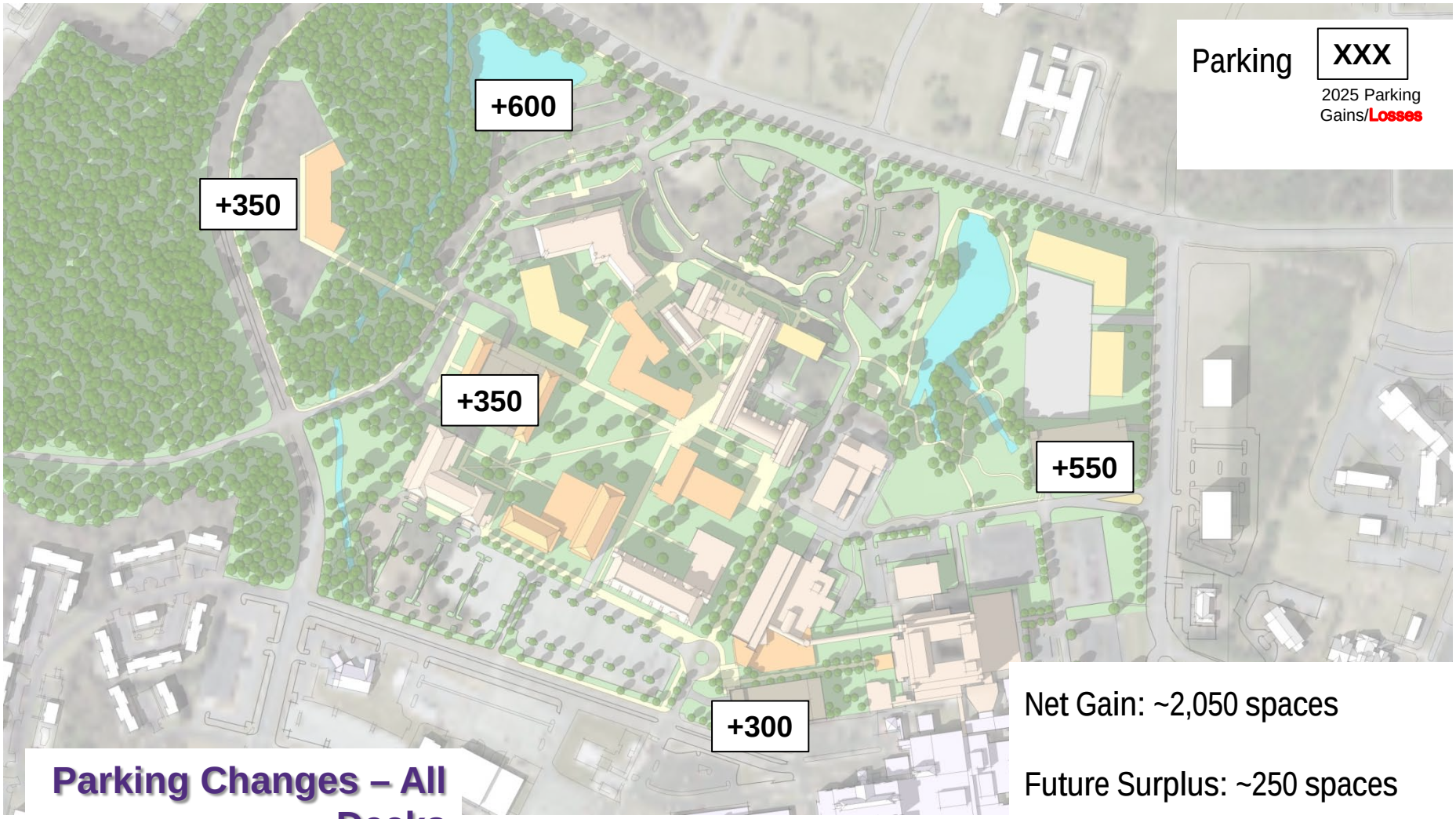
Parking Locations



Parking Changes – No Decks

Net Gain: ~850 spaces

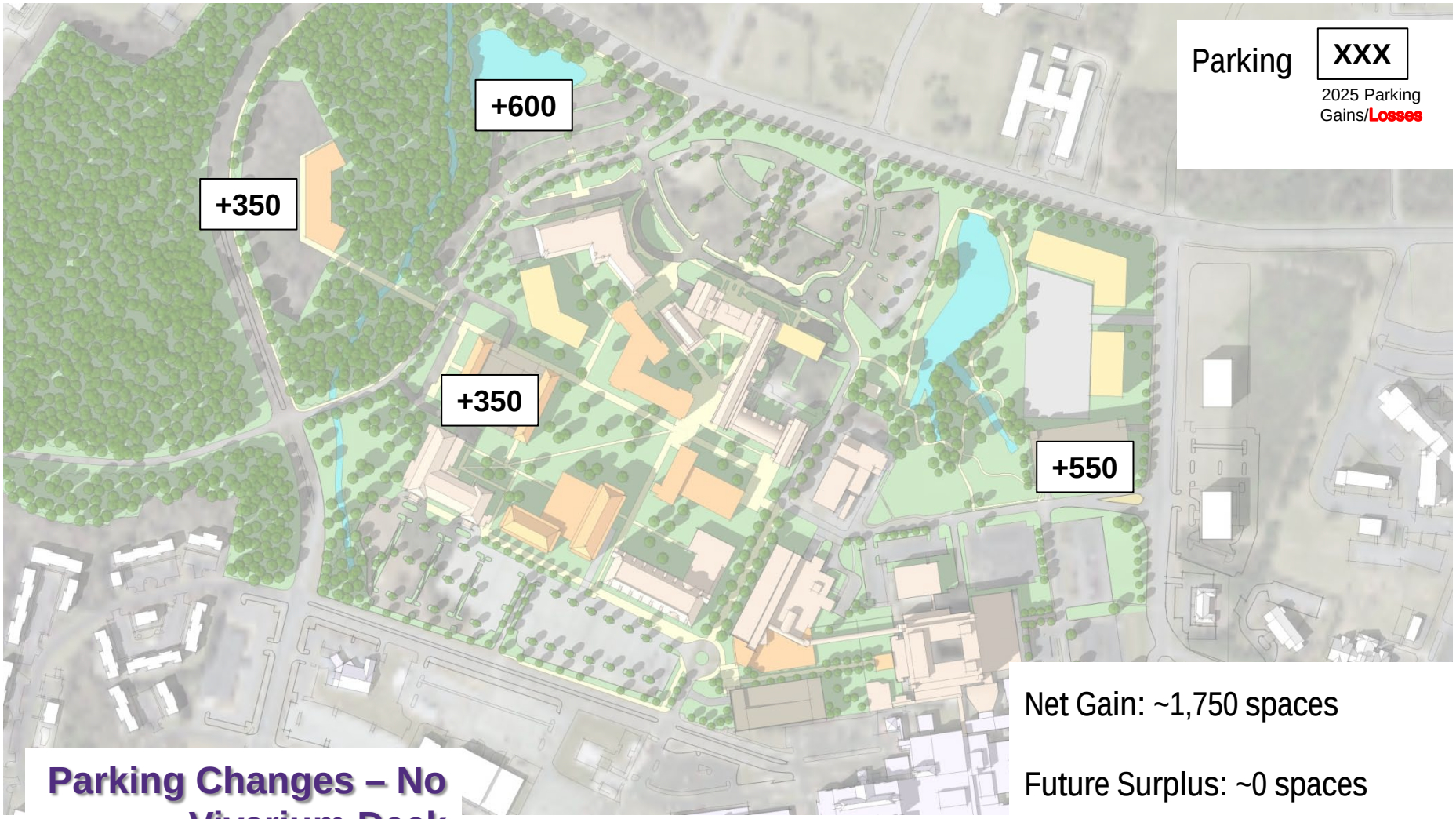
Future Deficit: ~950 spaces



Parking Changes – All Decks

Net Gain: ~2,050 spaces

Future Surplus: ~250 spaces



Parking Changes – No Vivarium Deck

Net Gain: ~1,750 spaces

Future Surplus: ~0 spaces

Health Sciences Campus
Potential Parking Supply and Demand

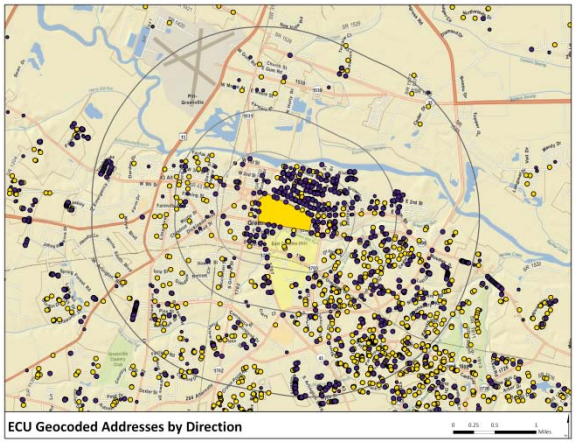
Scenario	Current Spaces	Parking Increase/ Decrease	2025 Parking Supply	2025 Demand	Surplus/ Deficit
No Decks	3,100	850	3,950	4,900	*950*
All Decks	3,100	2,050	5,150	4,900	*250*
No Vivarium Deck	3,100	1,750	4,900	4,900	*0*

Parking Changes – Recap

Parking Demand Reduction

How can parking demand be reduced?

- Incentives for alternative modes
  - Guaranteed ride home program
  - Passes to park on campus
  - Reduced GREAT transit passes
- Alternative parking options
  - Park and ride lots (off-campus)
  - Storage lots (resident students)
- Parking prohibitions
  - By group
  - By distance to campus



Benefits to parking demand reduction

- Lower costs
  - Reduced debt service
  - Better utilization of existing programs
- Sustainability
  - Reduced emissions
  - Less impervious surface
  - Lower costs to students
- Maintains core property for academic purposes

Specific Changes for ECU

- Survey indicates potential to decrease parking demand
- Demand reductions further reduces the need for structured parking
- Most promising options:
  - Carpooling and park-and-ride options for employees
  - Storage lots and parking restrictions for students