

Core Campus Parking Analysis

General Faculty Meeting
March 19, 2013

AUBURN UNIVERSITY

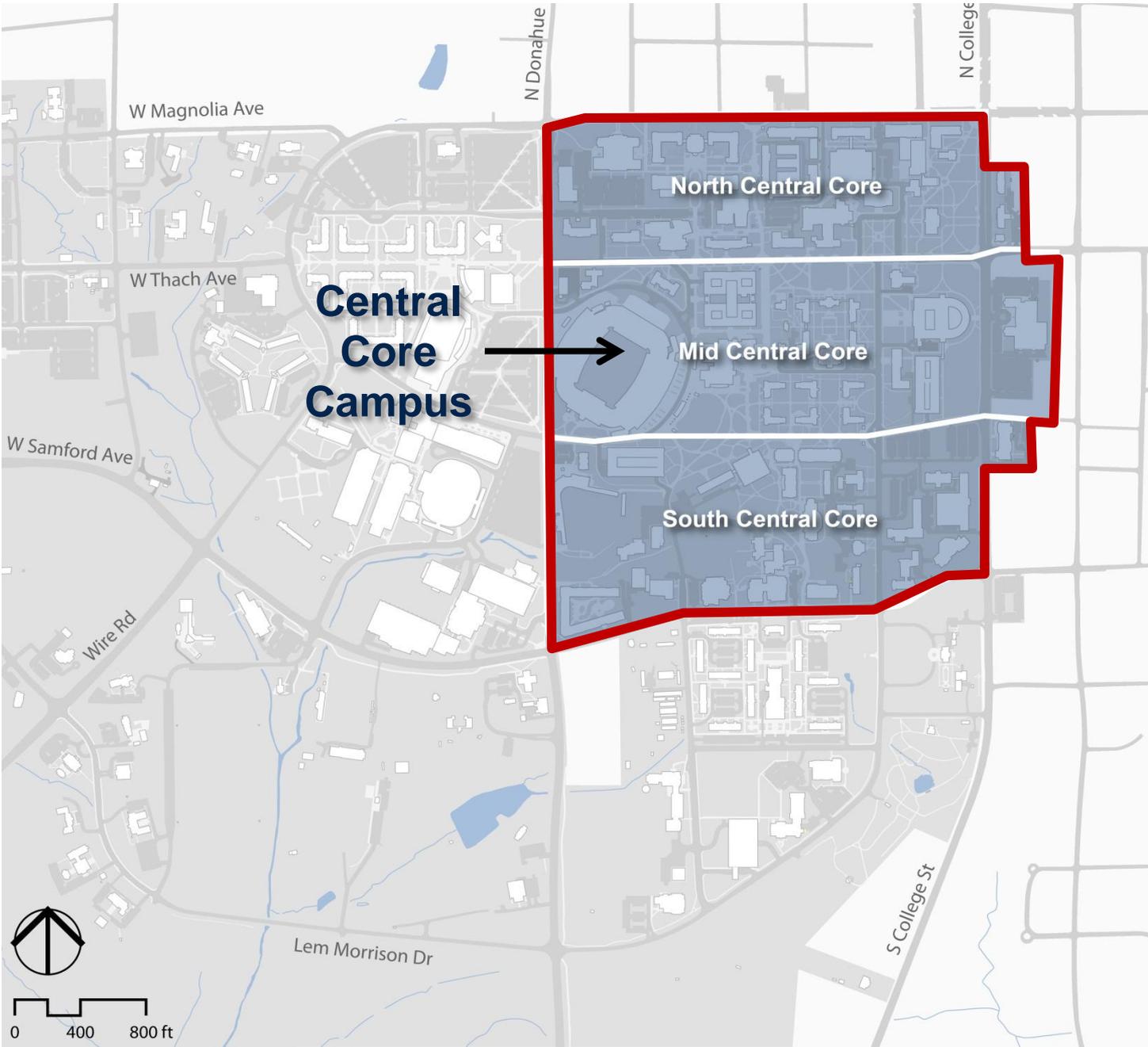
COMPREHENSIVE CAMPUS MASTER PLAN UPDATE

Summary of Parking Issues Campus Master Plan 2012 Update

Purpose:

- 1. To assess the demand for parking in the core of campus and options to improve the parking situation.**
- 2. To make recommendations regarding the establishment of priorities for future campus parking.**

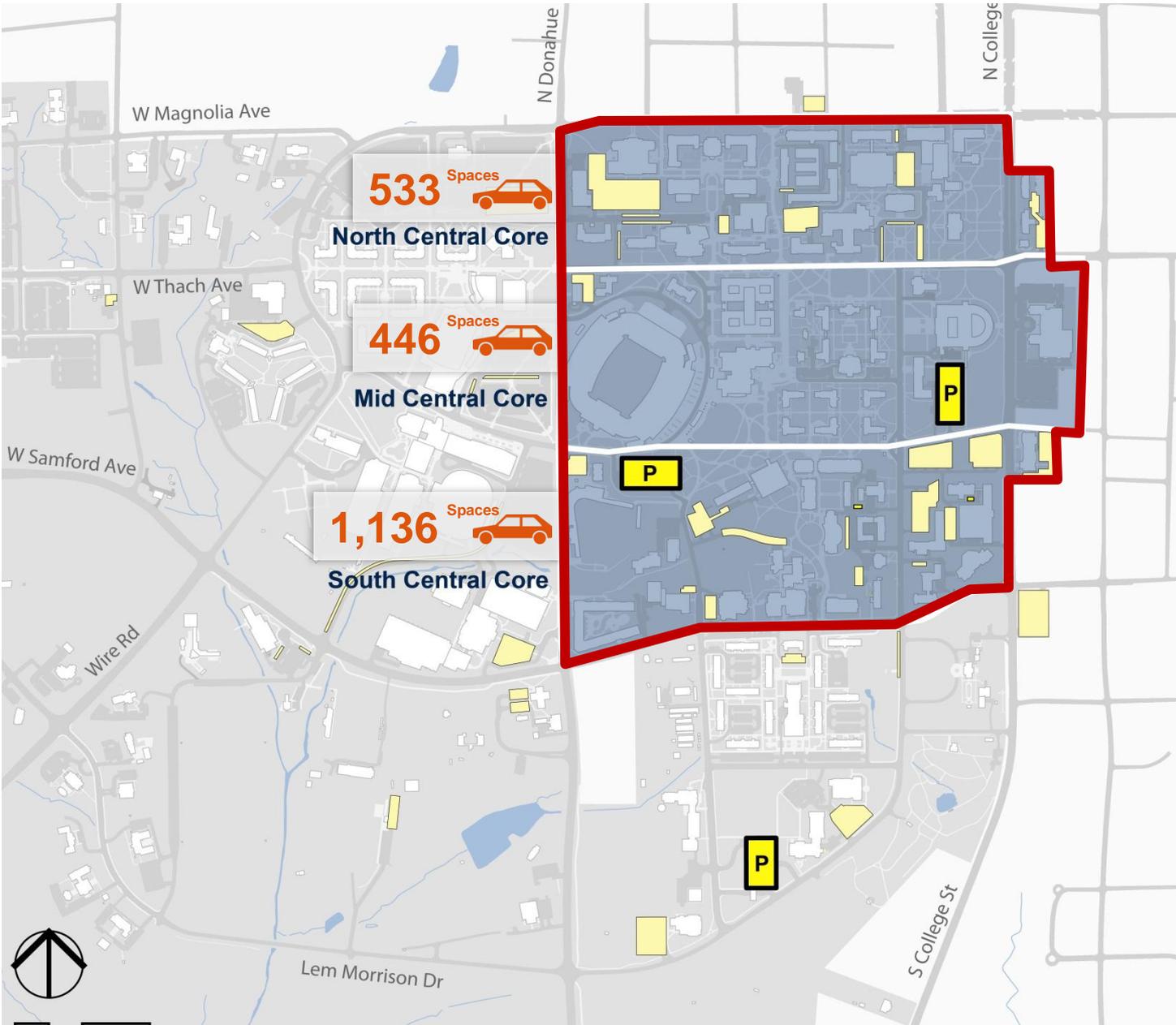
Central Core Faculty & Staff Parking



For the purposes of this assessment, the data zones from 2011-2012 Parking Update are aggregated

Central Core

Existing Parking Supply: Faculty & Staff

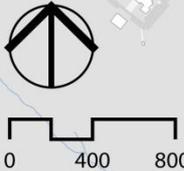


2,115

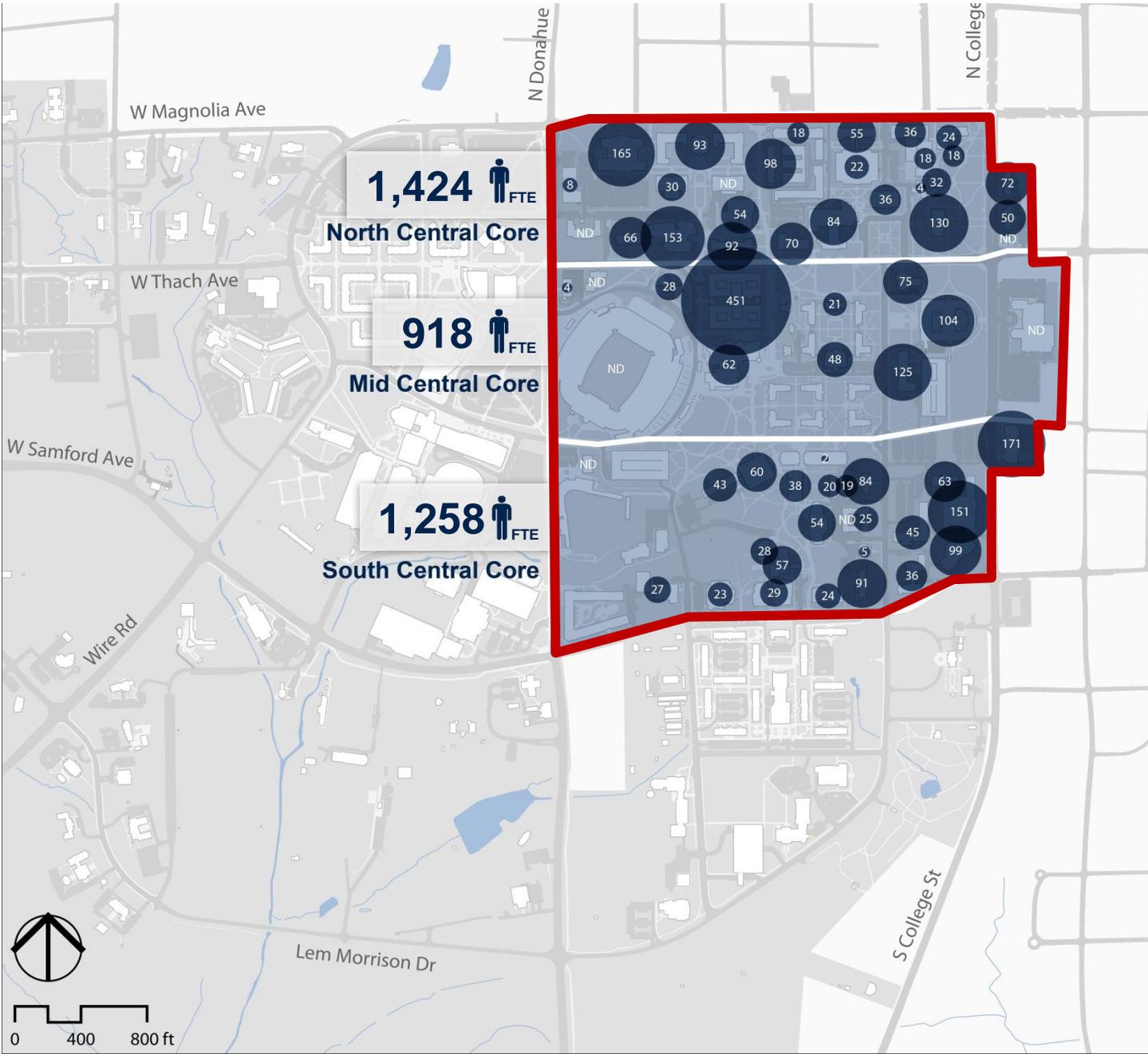
Total faculty & staff parking spaces in the Central Core

The majority of Central Core A/B spaces are in the South

- Central Core
- Surface parking
- Existing Garage



Existing Employee Distribution – Central Core



1,424  FTE

North Central Core

918  FTE

Mid Central Core

1,258  FTE

South Central Core



3,600

Permanent, temporary and part-time employees

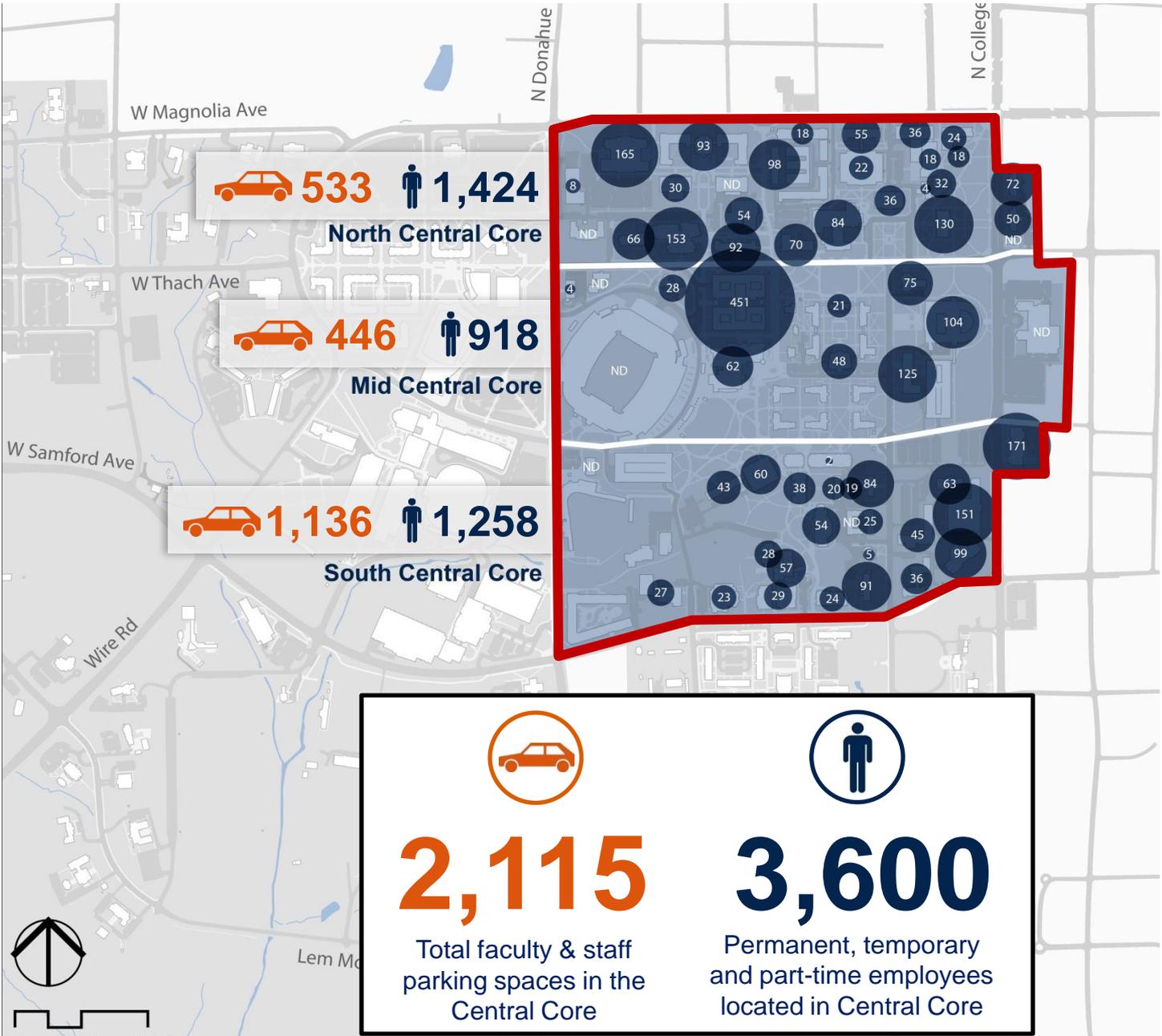
FTE based on assumed 50% for part-time



In existing buildings

Employee location data adapted from spreadsheet **“Employees by Building.xlsx”**, Richard Guether, Auburn 1/14/13

Existing Employee Distribution – Central Core



533 **1,424**

North Central Core

446 **918**

Mid Central Core

1,136 **1,258**

South Central Core

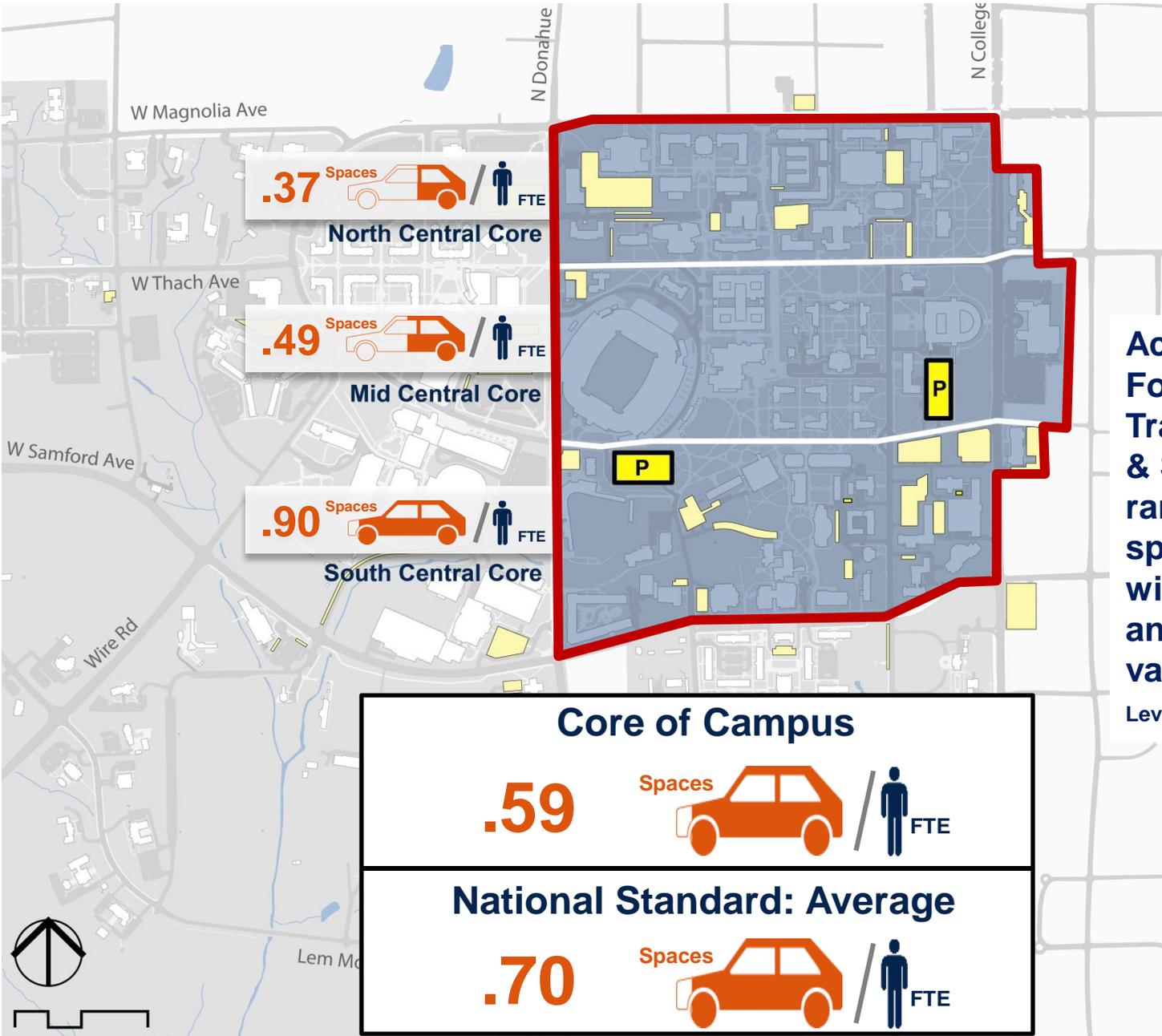
2,115	3,600
Total faculty & staff parking spaces in the Central Core	Permanent, temporary and part-time employees located in Central Core

In existing buildings

FTE based on assumed 50% for part-time

Employee location data adapted from spreadsheet **“Employees by Building.xlsx”**, Richard Guether, Auburn 1/14/13

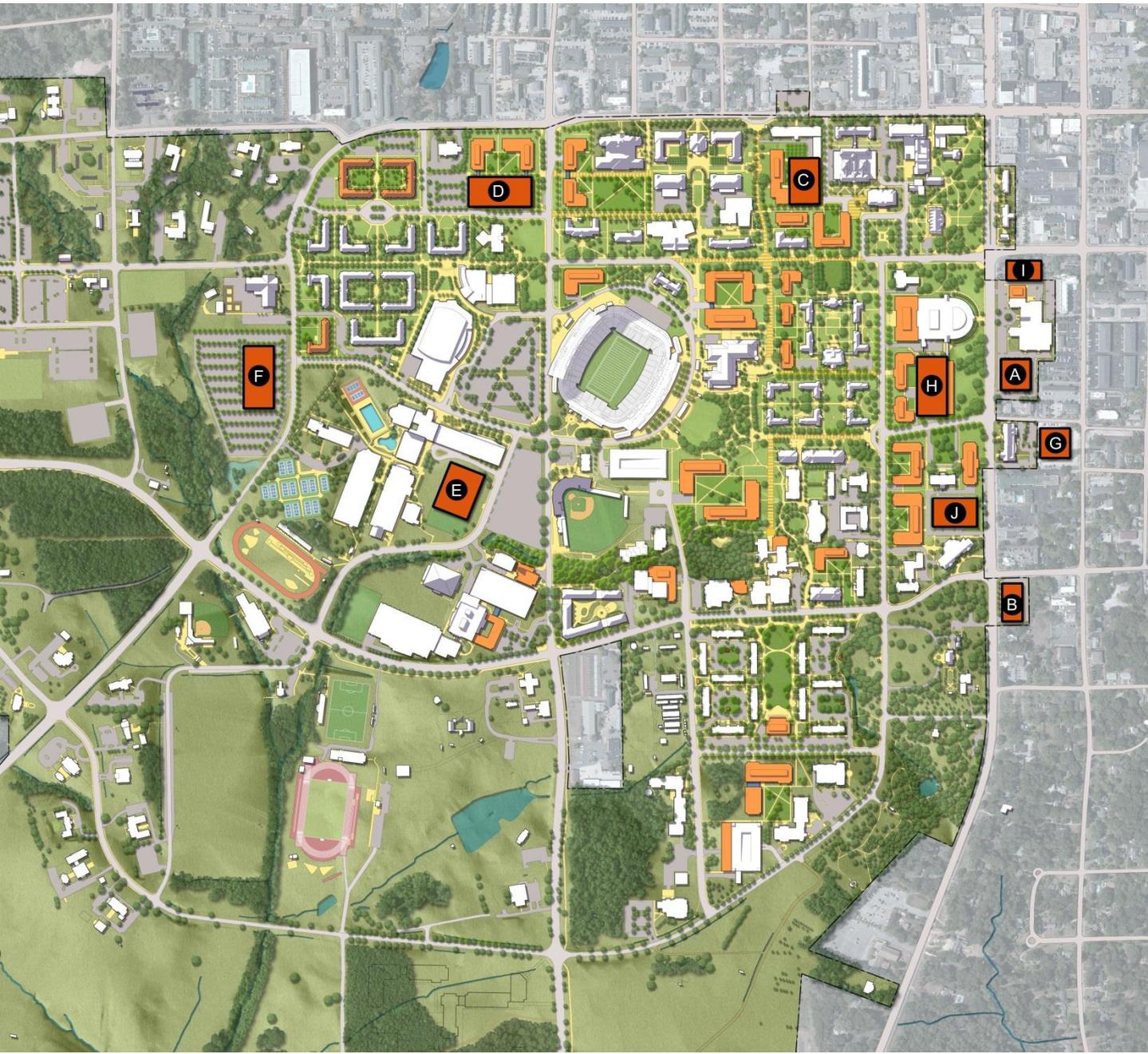
Existing Parking Spaces per Employee



According to the Eno Foundation for Transportation, Faculty & Staff parking needs range from 0.50 to 0.95 spaces per employee, with an average of 0.70 and an 85th percentile value of .92. Source: Weant & Levinson, Parking.

- Central Core
- Surface parking
- Existing Garage

Potential Garage Sites



	SITE	CAPACITY (SPACES)
A	Auburn Hotel	390
B	College & Samford	315
C	Northeast Quad	576
D	East Village	841
E	Coliseum	1181
F	CDV	841
G	Alumni Center	370
H	Library Garage Reconstruction	797
I	The Cambridge	288
J	AG Hill	550

Assumptions:

1. Four levels per garage
2. 325 GSF per space if length > 300'
3. 350 GSF per space if length < 300'

Parking Structure Evaluation Summary

	Total Spaces	Net New Spaces	Potential Users	Pedestrian Access to Central Core	Total Cost	Cost Per New Space	Cost Factors / Considerations
1. Auburn Hotel	390	208	Visitors Commuters	X	\$5.9M	\$28K	Displaces Parking Inefficient layout
2. College / Samford	315	188	Commuters Faculty / Staff	X	\$4.7M	\$25K	Displaces Parking Inefficient layout
3. Northeast Quad*	576	576	Faculty / Staff	✓	\$8.6M	\$15K	Demolition Costs
4. East Village	841	607	Faculty / Staff Commuters Res. Students Visitors	✓	\$12.6M	\$21K	Displaces Parking
5. Coliseum	1,181	1,181	Commuters Res. Students Visitors	X	\$17.7M	\$16K	Demolition Costs
6. CDV	841	803	Commuters Res. Students Visitors	X	\$12.6M	\$15K	Demolition Costs Displaces Parking
7. Alumni Center	370	278	Commuters Visitors	X	\$5.5M	\$20K	Inefficient layout
8. Library Garage* (reconstruction)	797	453	Faculty / Staff	✓	\$12.0M	\$26K	Demolition Costs Displaces Garage
9. The Cambridge	288	216	Faculty / Staff Commuters	✓	\$4.3M	\$20K	Land Acquisition Inefficient layout
10. AG Hill*	550	507	Faculty / Staff	✓	\$8.3M	\$16K	Demolition Costs

*Garage locations in the Central Core primarily are reserved for Faculty / Staff Use

Campus Parking Recommendation

Campus Master Plan 2012 Update

Recommendation 1: The Campus Master Plan will reflect the preceding analysis and establish the following as the University's priorities to improve faculty and staff parking:

1. Build NorthEast Quad Parking Structure

- Time Frame: Near Term 2015-2016
- Provides parking spaces for North Central Core.
- Adds 576 spaces at \$15K/space
- Cost: \$8.6 million.

2. Replace Library Parking Structure:

- Time Frame: Near Term: 2015-2020
- Provides parking spaces for Mid Central Core.
- Adds 473 spaces at \$26K/space
- Cost: \$12 million.

3. Construct Parking Structure on AG Hill:

- Time Frame: Long Term: 2020+
- Replaces surface parking lost due to replacement of Funchess and Upchurch Halls
- Provides parking spaces for South Central Core.
- Adds 507 spaces at \$16K/space
- Cost: \$8.3 million.

4. Construct Parking Structure at East Village:

- Time Frame: Long Term: 2020+
- Will be needed if College of Business expands or academic facility is located at Magnolia and Donahue
- Provides parking spaces for North Central Core.
- Adds 607 spaces at \$26K/space
- Cost: \$12.6 million.

Campus Parking Recommendation

Campus Master Plan 2012 Update

Recommendation 2: The Campus Master Plan will reflect the preceding analysis and establish the following as the University's priorities to improve commuter and special event parking:

1. Build Surface Parking at Coliseum:

- Time Frame: Near Term: 2015-2016
- Provides parking spaces for commuters, Gameday, and special events
- Adds 300 spaces at \$6K/space
- Cost: \$1.8 million.

2. Build Surface Parking Lot at CDV

- Time Frame: Near Term 2015-2016
- Provides parking spaces for commuters and residents.
- Adds 400 spaces at \$6K/space
- Cost: \$2.4 million.

3. Construct Parking Structure at Coliseum:

- Time Frame: Mid Term to Long Term: 2020+
- Provides parking spaces for commuters, Gameday, and special events
- Adds 1,181 spaces at \$16K/space
- Cost: \$17.7 million.

Backup

The Campus: 2023 Plan



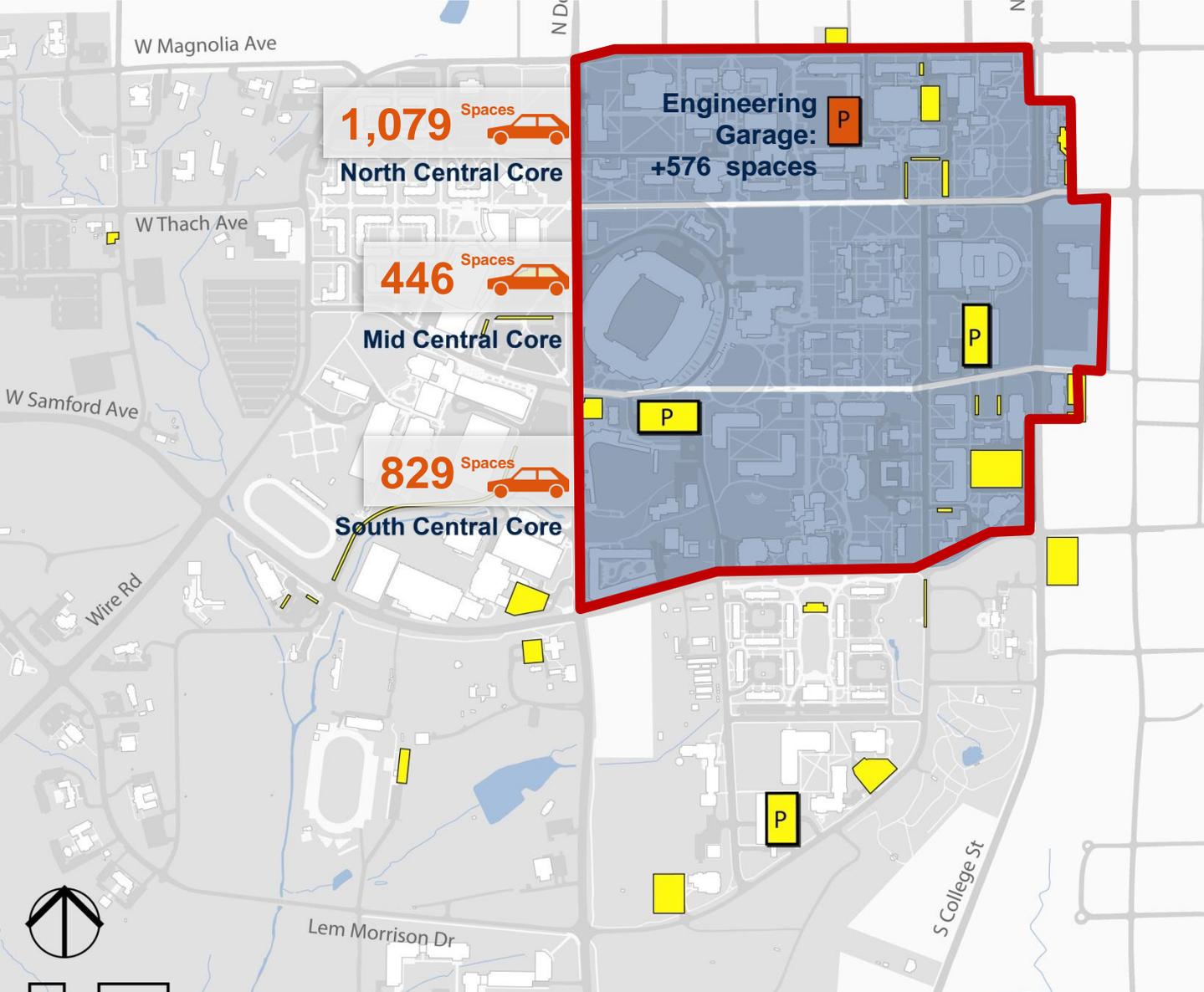
	Capital Project
1	Central Classroom Facility 2
2	College of Human Sciences
3	Central Classroom Facility
4	COSAM
5	College of Agriculture
6	College of Education

Following the completion of the Capital Projects Plan, parking demand in the Central Core is expected to decrease as a result of the relocation of Pharmacy, Nursing and Education employees.

Note: Subject to revision based on CCF configuration decisions.

2023 Faculty & Staff Parking Supply

Central Core Campus – 576 Spaces added



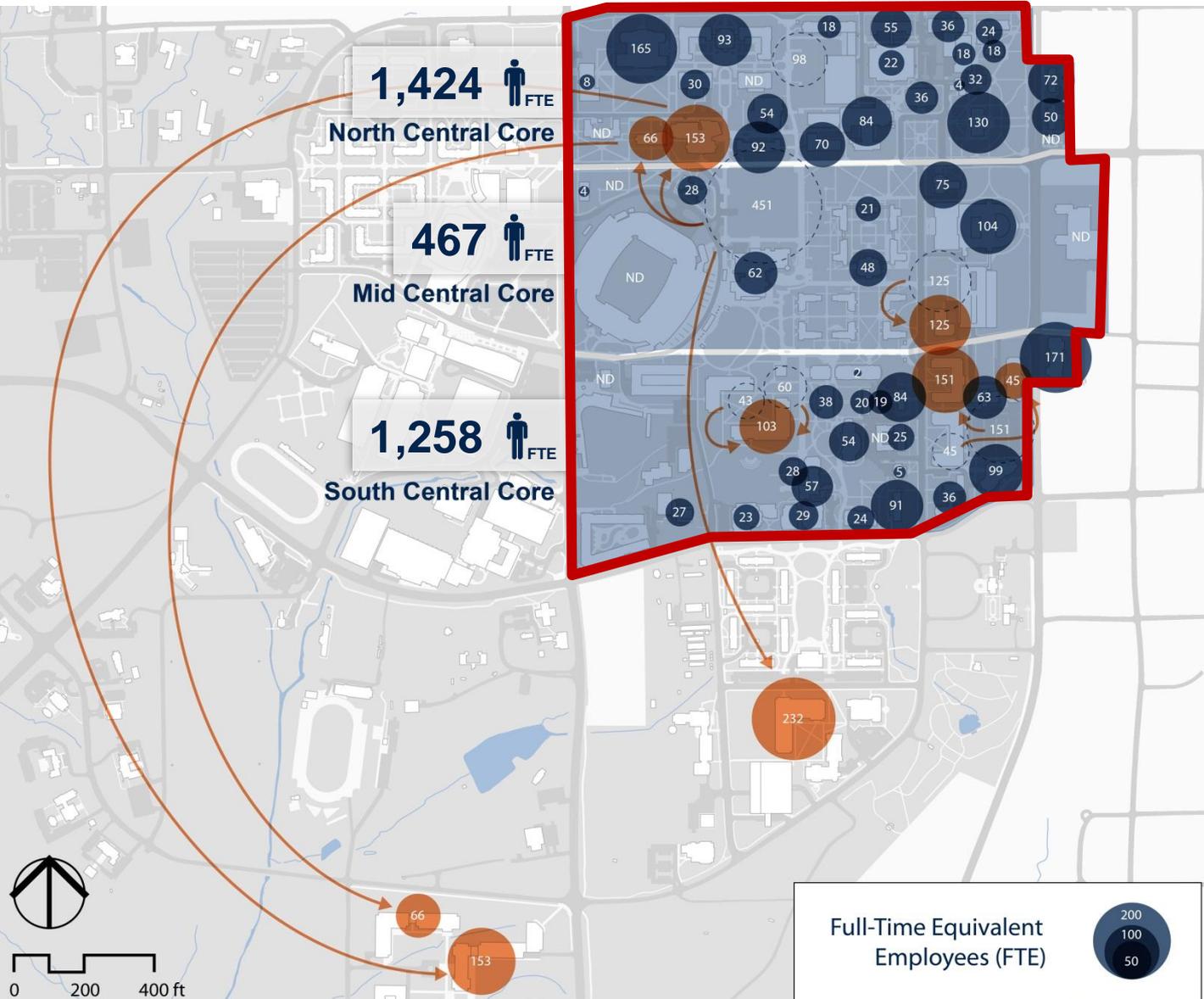
2,354

Total staff & faculty spaces in the Central Core (2,115 currently)

-  Central Core
-  Proposed garage
-  Existing garage
-  Surface parking

2023 Employee Population

Assumes relocation of Pharmacy, Nursing and Education faculty / staff and construction of the Engineering Garage



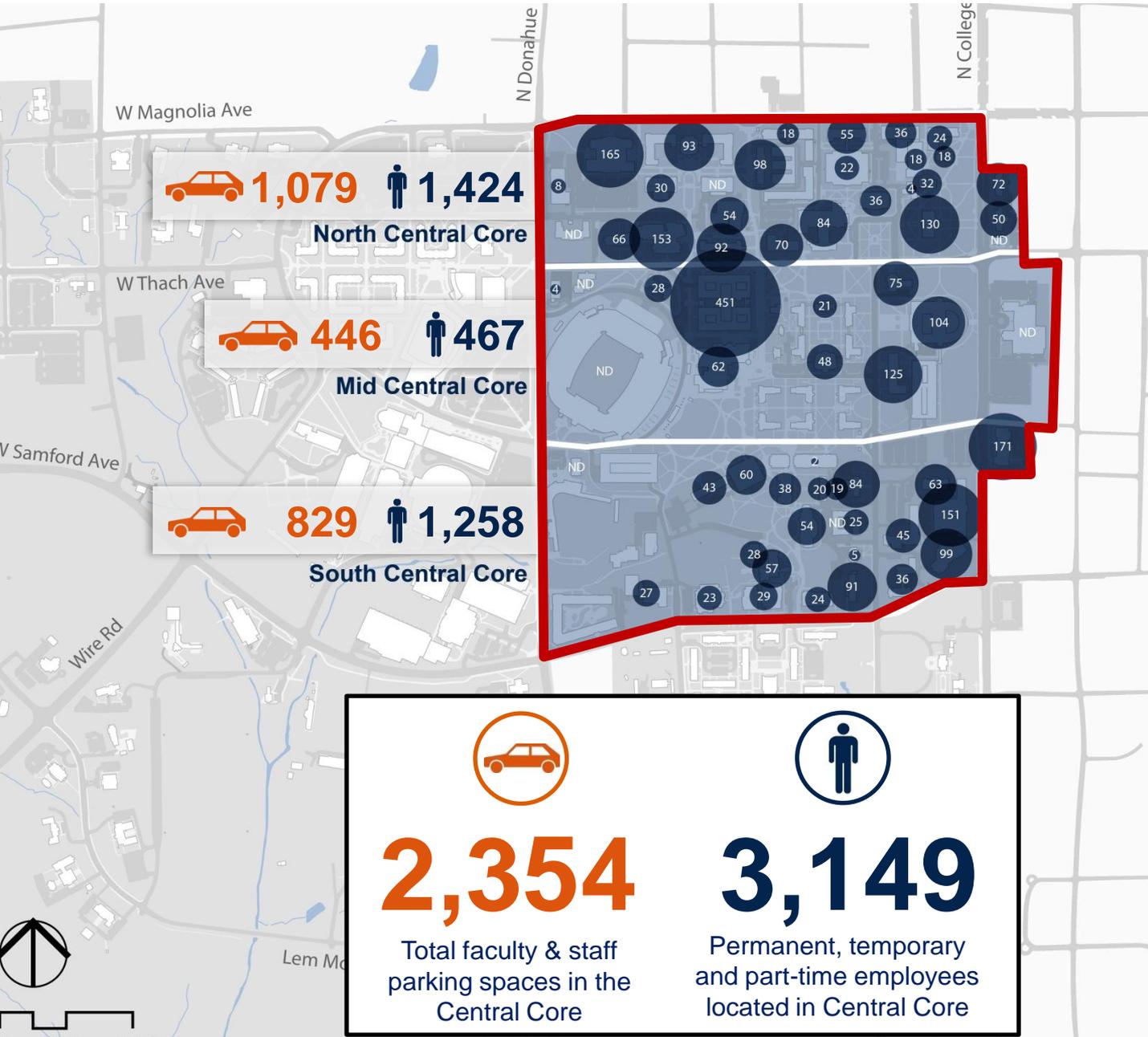
3,149

Permanent FTE employees in the Central Core assuming the relocation of Pharmacy, Nursing and Education

Employee location data adapted from spreadsheet "Employees by Building.xlsx", Richard Guether, Auburn



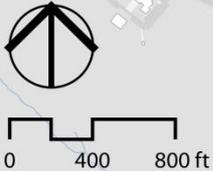
2023 Employee Distribution – Central Core



In existing buildings

FTE based on assumed 50% for part-time

Employee location data adapted from spreadsheet "Employees by Building.xlsx", Richard Guether, Auburn 1/14/13



2023 Spaces per Employee

Assumes relocation of Pharmacy, Nursing and Education faculty / staff and construction of the Engineering Garage

