

Enterprise GIS Steering Committee Meeting

February 27, 2020

Agenda

- 1. Welcome and Introductions**
- 2. Utilities Implementation**
- 3. Developing Initiatives**
- 4. Other Business**

Utilities Viewer Training



October/November 2019

- 3 Sessions
- 41 Students
- 6 Units within Facilities Division
 - Facilities Condition Assessment Program (FCAP)
 - Utility Distribution
 - Power Systems
 - Energy Management
 - Capital Project Management
 - Office of the University Architect

Utilities Viewer Reference Guide

version date: 10/29/2019

Search Tool

Measure Tool

Basemap Gallery

Bookmark Tool

Legend

Layer List

Attribute Table

ID	Pipe Type	Pipe Shape	Pipe Material	Pipe Width	Pipe Height	Is Functioning
SWPIPE3	SWDPI43	SWDPI43	Concrete	15.00	15.00	Yes

Contact: group-utilities-gis-app-support@ncsu.edu

Current Production GIS Utilities



6 Unique System Components

TWG Established July, 2018 ~ Bi-Monthly Meetings



24 Unique System Components

TWG Established August, 2019 ~ Bi-Monthly Meetings



26 Unique System Components

TWG Anticipated Spring, 2020 ~ Bi-Monthly Meetings



TWG Anticipated Summer, 2020 ~ Bi-Monthly Meetings

Current Production GIS Utilities

Stormwater Technical Working Group

Utilities and Engineering

Andrew Futrell

Data Owner

Lead Geometry Editor

Environmental Health and Safety

Karyn Green

Permitting Subject Matter Expert

Information Editor

Grounds Services

Jonathan Stephens

Stormwater Control Measure Subject Matter Expert

Information Editor

Office of the University Architect

Heath Huovinen

Survey Subject Matter Expert

Secondary Geometry Editor

Enterprise GIS Group

Data Administrator

Technical Support

Current Production GIS Utilities

Water Distribution Technical Working Group

Utilities and Engineering
Andrew Futrell

Data Owner
Lead Geometry Editor

Alan Daeke

Utilities Subject Matter Expert

Central Engineering
Brandon Taylor

Utilities Subject Matter Expert
Information Editor

Energy Management
Lib McGowan

Energy Data Subject Matter Expert
Information Editor

Building Maintenance and Operations
Joanna Norton

Building Systems Subject Matter Expert
Information Editor

Office of the University Architect
Heath Huovinen

Project Manager
Survey Subject Matter Expert
Secondary Geometry Editor

Enterprise GIS Group
Data Administrator
Technical Support

Current Production GIS Utilities

Sanitary Sewer Technical Working Group

Utilities and Engineering
Andrew Futrell

Data Owner
Lead Geometry Editor

Alan Daeke

Utilities Subject Matter Expert

Central Engineering
Brandon Taylor

Utilities Subject Matter Expert
Information Editor

Environmental Health and Safety
Karyn Green

Permitting Subject Matter Expert
Information Editor

Building Maintenance and Operations
TBD

Building Systems Subject Matter Expert
Information Editor

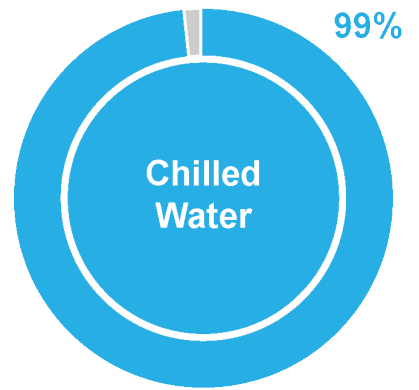
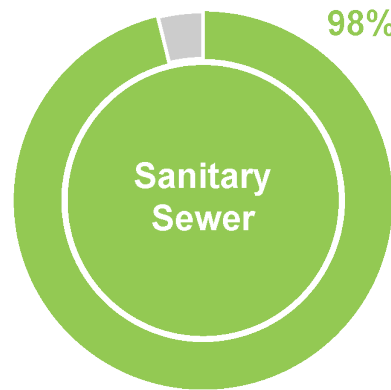
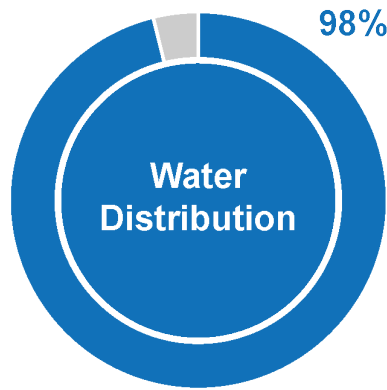
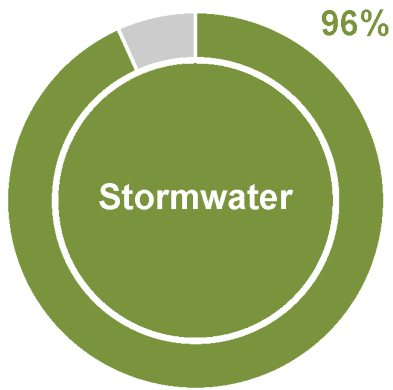
Office of the University Architect
Heath Huovinen

Project Manager
Survey Subject Matter Expert
Secondary Geometry Editor

Enterprise GIS Group
Data Administrator
Technical Support

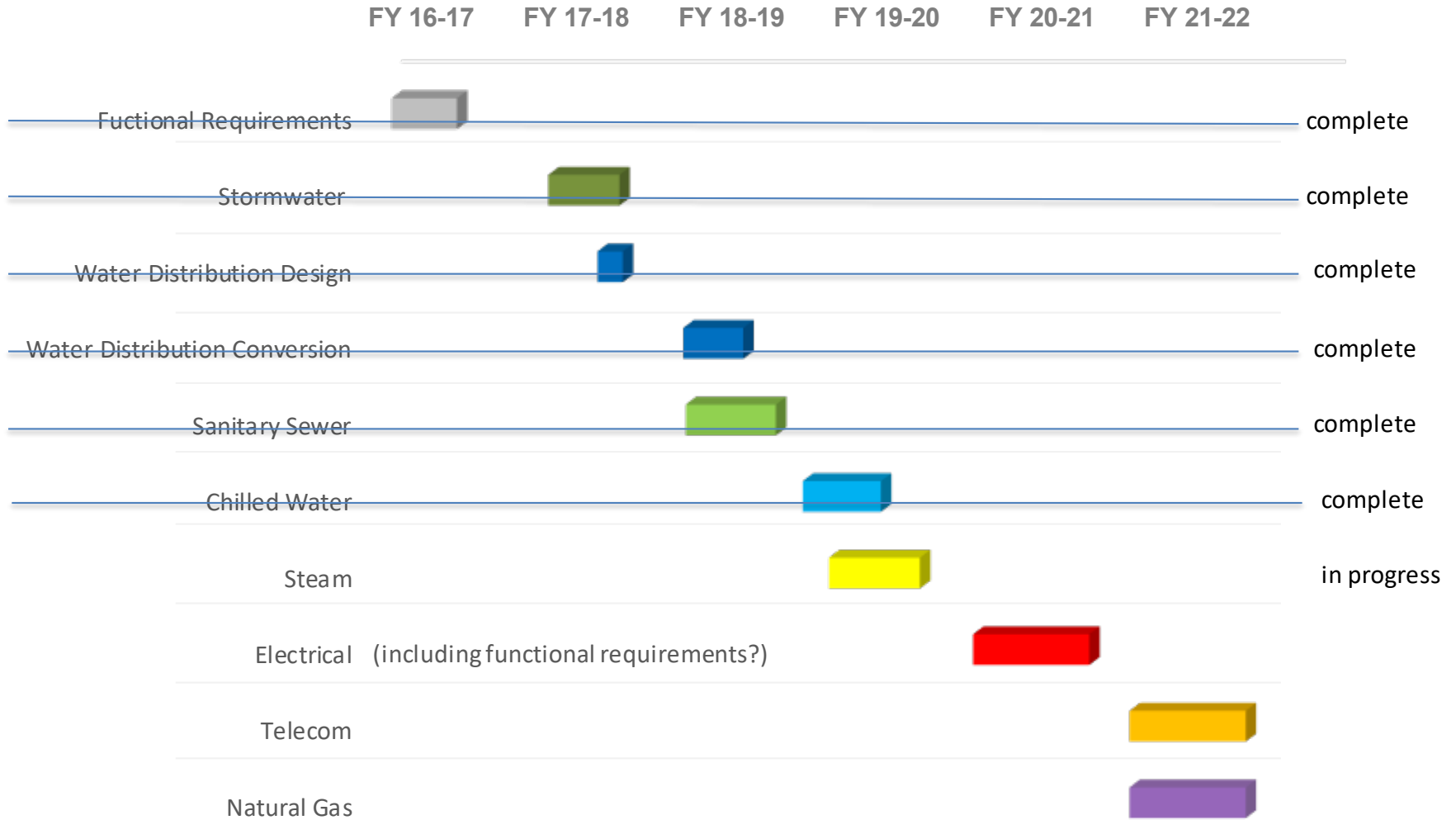
GIS Utility Progress

Data Population (Legacy CAD Annotation and AERES Projects)



Utilities Implementation

Schedule



Accessibility Goals

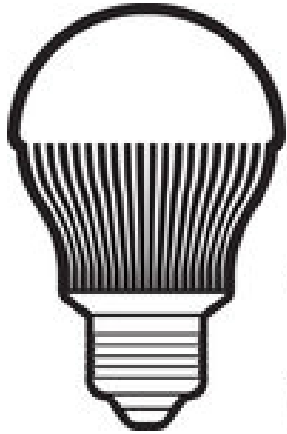
Short-term

- Update the map data to current conditions.
- Provide in electronic format to campus community.
- Align with branding and other mapping efforts.

Long-term

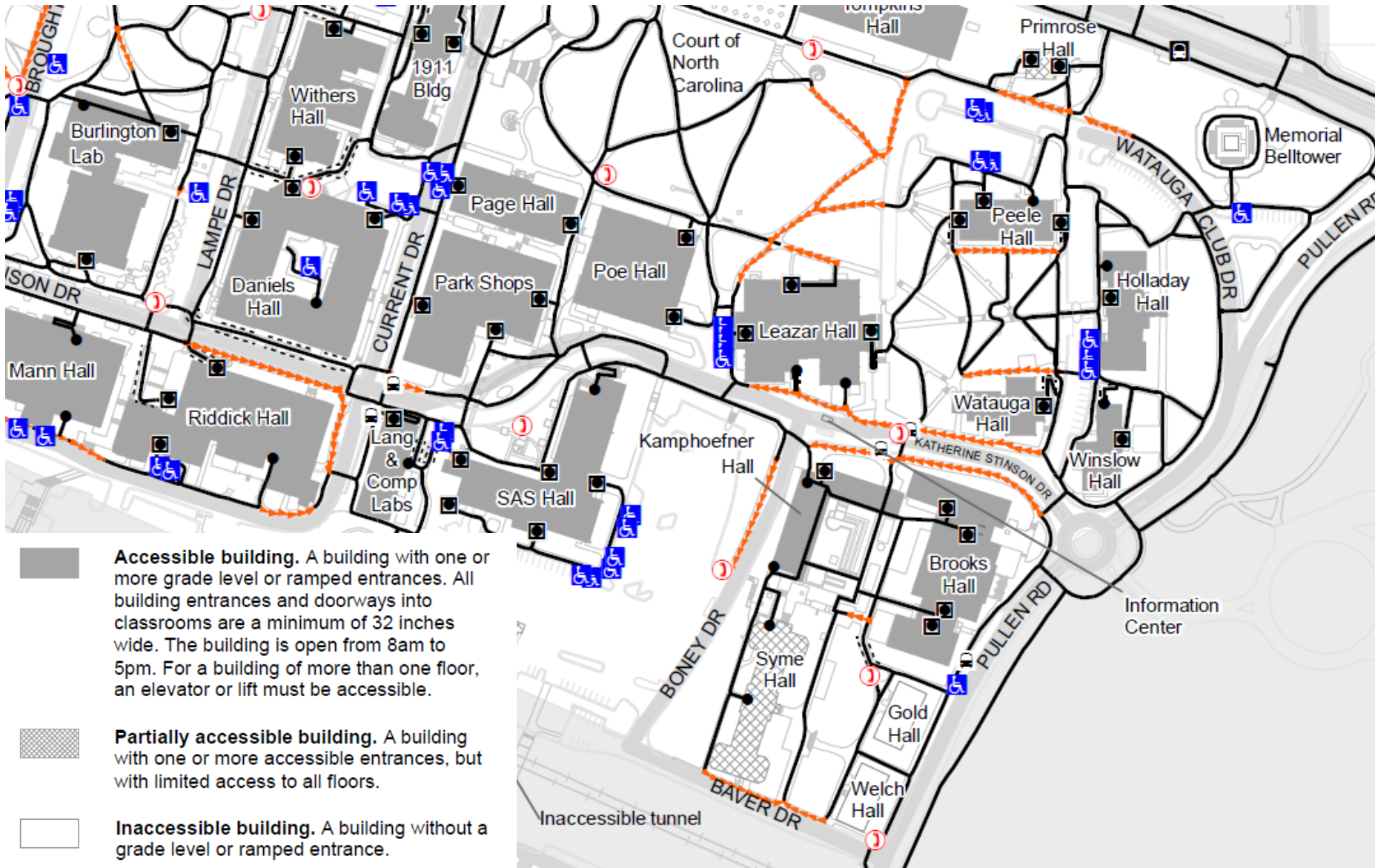
- Prepare Accessibility data to be included on the online campus map.

Accessibility Scope

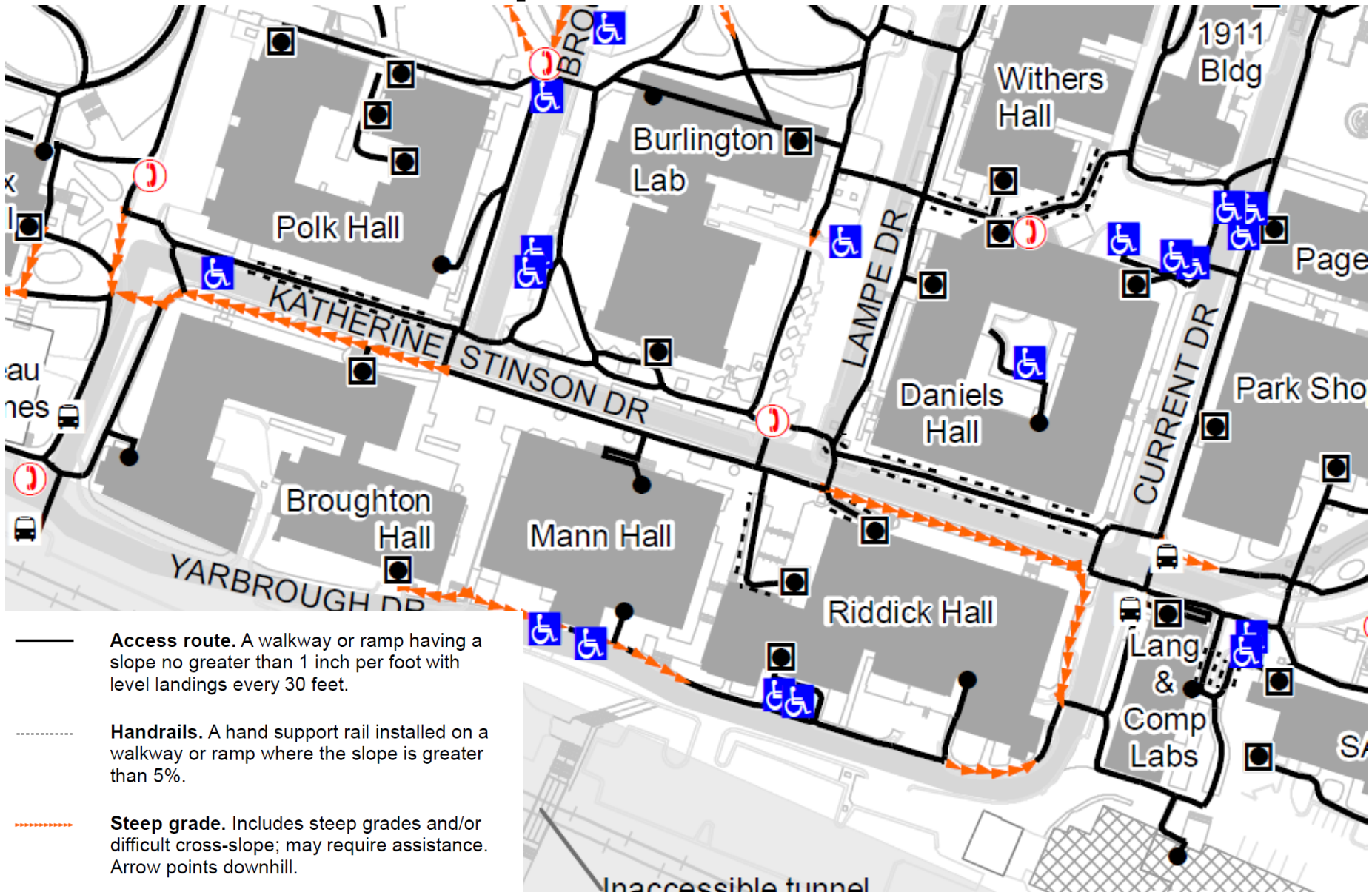


- Update pathways, entrances, and other data to current conditions.
- Data is to be presented as a static PDF map hosted within the **Enterprise GIS**.
- Made available via standard web browsers.

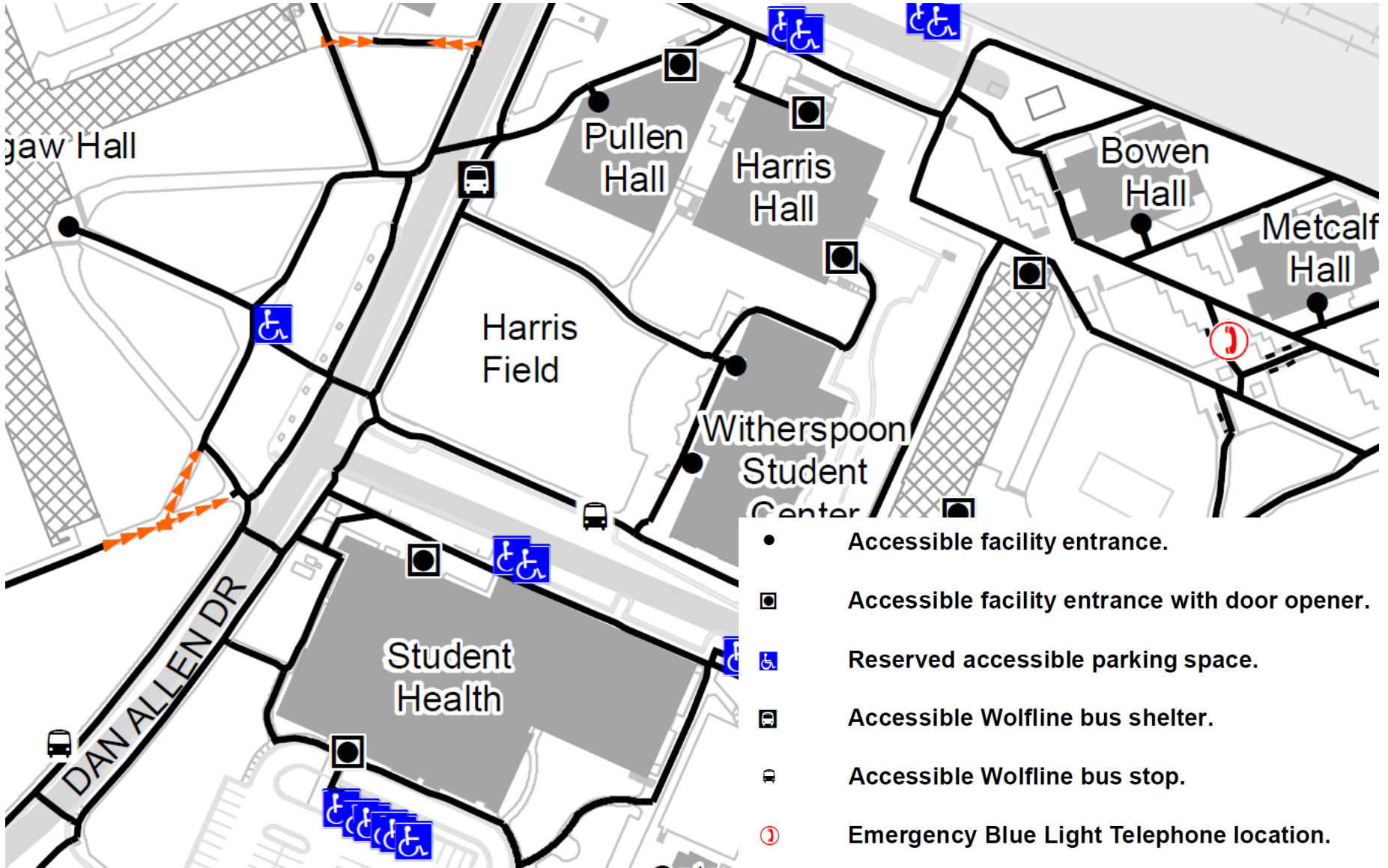
Updated Building Symbology



Updated Paths



Update Points



Where can I get this?

The screenshot shows the NC State Campus Map website interface. At the top left, there is a logo for 'NC STATE' and the text 'Campus Map'. A search bar is located to the right of the logo. In the top right corner, there are links for 'Student/Employee Parking', 'Printable Maps' (which is circled in red), and 'Send Feedback'. A dropdown menu is open over the 'Printable Maps' link, titled 'Printable Campus Maps'. The menu contains the text 'View available maps below. All maps are available in PDF format.' followed by a list of map options:

- > Campus Map and Directory (11 x 17)
- > Campus Map (42 x 42)
- > Construction Zone Impact Map
- > **Campus Map-- Accessibility (92x92)**
- > Campus Map-- including Lake Wheeler and Reedy Creek (30 x 42)
- > Transportation Maps

The background of the page is a map of the South Campus area of North Carolina State University, showing buildings, roads like Western Blvd, and green spaces. The text 'South Campus' and 'North Carolina State University' is visible on the map.

Where can I get this?

Under the **Printable Maps** sections:

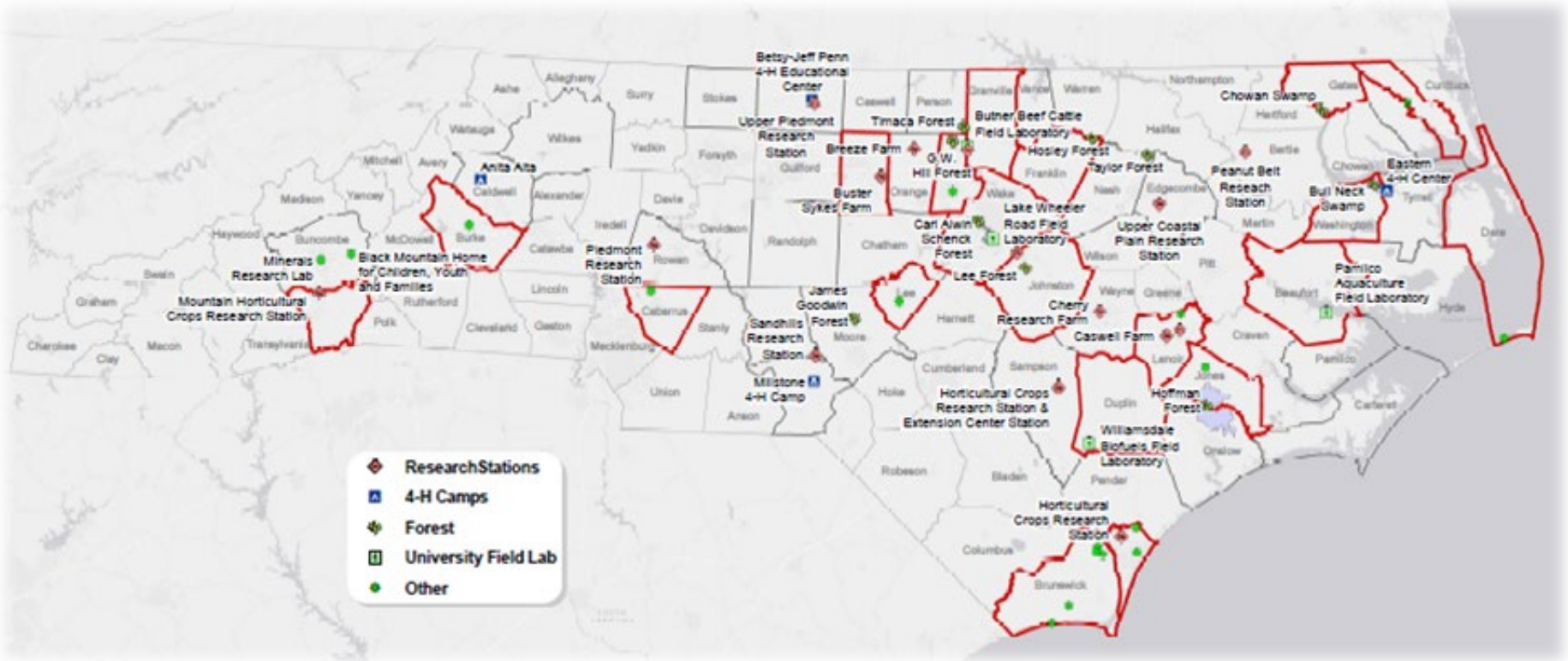
<https://maps.ncsu.edu/>

<https://facilities.ofa.ncsu.edu/resources/gis-maps/>

Under the **Physical Accessibility** section:

<https://accessibility.ncsu.edu/>

Wolf Tracts ~ Statewide Inventory



273 Total land holdings

- 20 of 44 Counties Complete (per AERES)
- Approximately 106,900 ac. represented above statewide
- Currently 101,363 ac. in Wolf Tracts
- 95% of lands have been added to Wolf Tracts

This effort will continue until all properties have been accounted for and reconciled with entries in AERES and other Institutional knowledge (EOY 2020)

NC STATE

College of Agriculture and Life Sciences

NC STATE UNIVERSITY

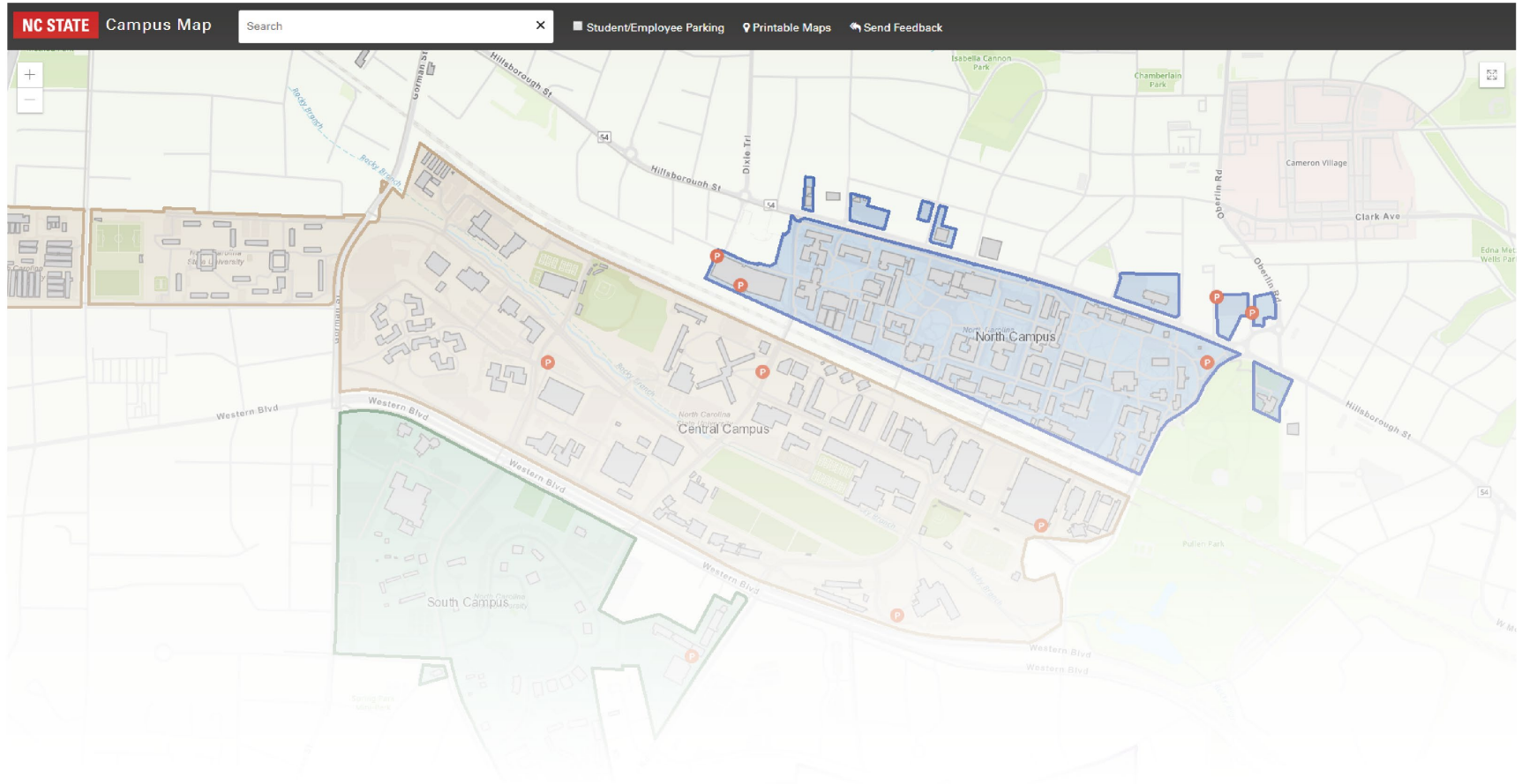
College of Natural Resources



NC STATE

EXTENSION

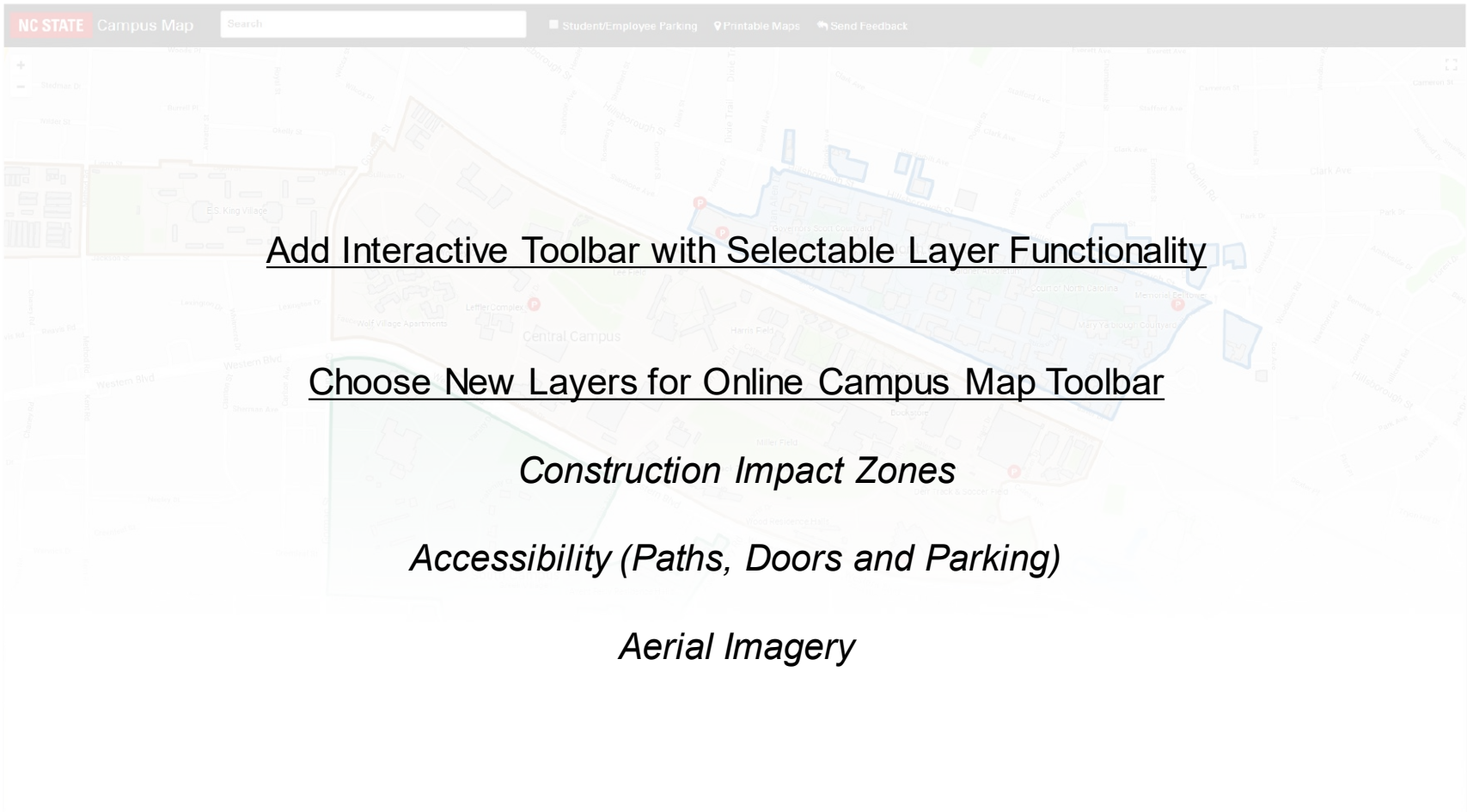
Online Campus Map



2019 Calendar Year: 672,433 Hits and 250,865 Unique Visits

Online Campus Map

Enhancements



Add Interactive Toolbar with Selectable Layer Functionality

Choose New Layers for Online Campus Map Toolbar

Construction Impact Zones

Accessibility (Paths, Doors and Parking)

Aerial Imagery

[Online Campus Map](#)

Other Business