

Enterprise GIS Steering Committee Meeting

August 14, 2019

Agenda

- 1. Welcome and introductions**
- 2. Utilities Implementation**
- 3. Developing Initiatives**
- 4. Other Business**
- 5. Next Meeting: February 2020**

Current Production GIS Utilities



Stormwater

6 Unique Asset Types

Technical Working Established July, 2018 ~ Bi-Monthly Meetings



Water
Distribution

12 Unique Asset Types

Technical Working Established August, 2019 ~ Bi-Monthly Meetings



Sanitary
Sewer

16 Unique Asset Types

Technical Working Anticipated January, 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

TBD

Stormwater Control Measure 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

Water Distribution Technical Working Group

Utilities and Engineering

Andrew Futrell

Data Owner

Lead Geometry Editor

Alan Daeke

Utilities Subject Matter Expert

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

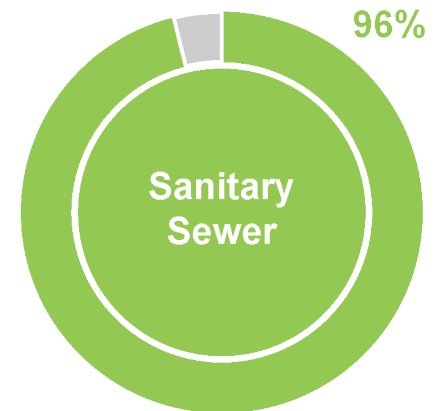
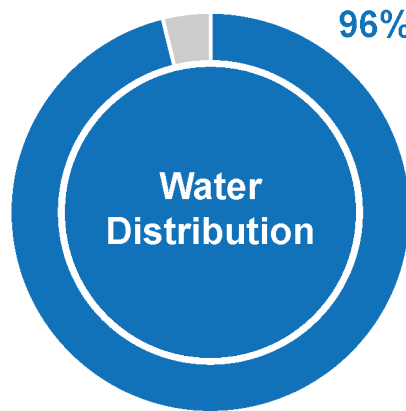
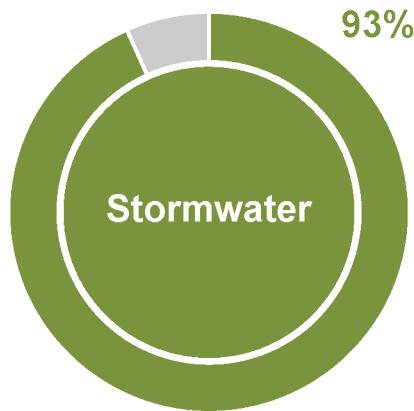
Enterprise GIS Group

Data Administrator

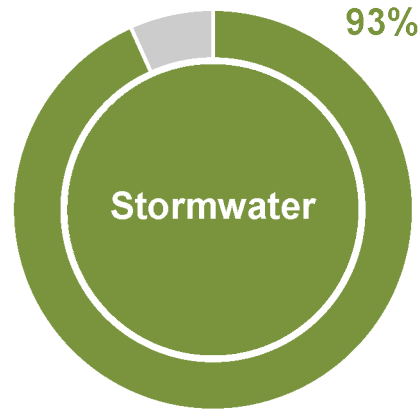
Technical Support

GIS Utility Progress

Data Population (Legacy CAD Annotation and AERES Projects)



GIS Utility Progress



Material

Asset ID

Width

Height

Structure Type

SCM Type

SCM Description

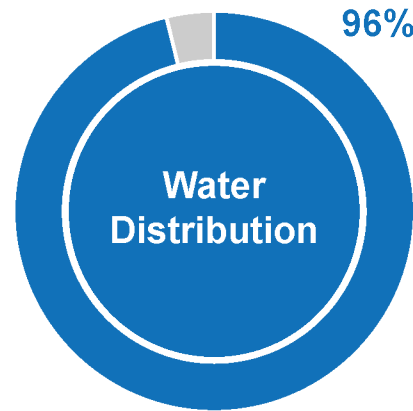
Comments (Outfalls)

Owned By

Maintained By

Year Installed

GIS Utility Progress



Material

Diameter

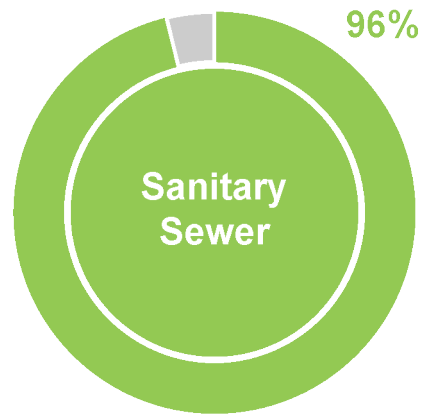
Hydrant Number

Owned By

Maintained By

Year Installed

GIS Utility Progress



Material

Diameter

Structure Type

Owned By

Maintained By

Year Installed

Utilities Implementation

FY 2019-2020 Projects

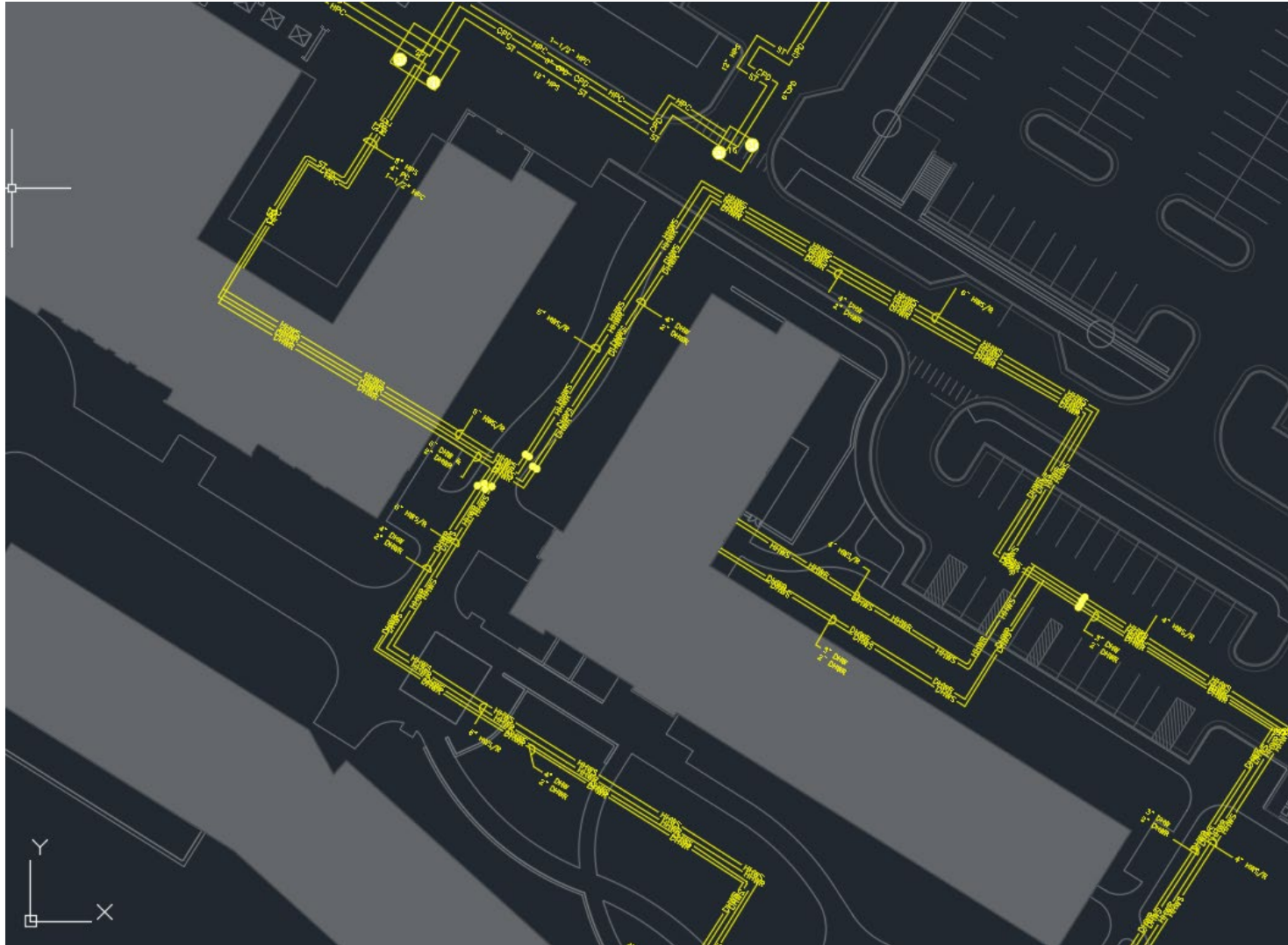
Chilled Water Data Model and CAD Migration – August 6, 2019 Project Kick-off



Utilities Implementation

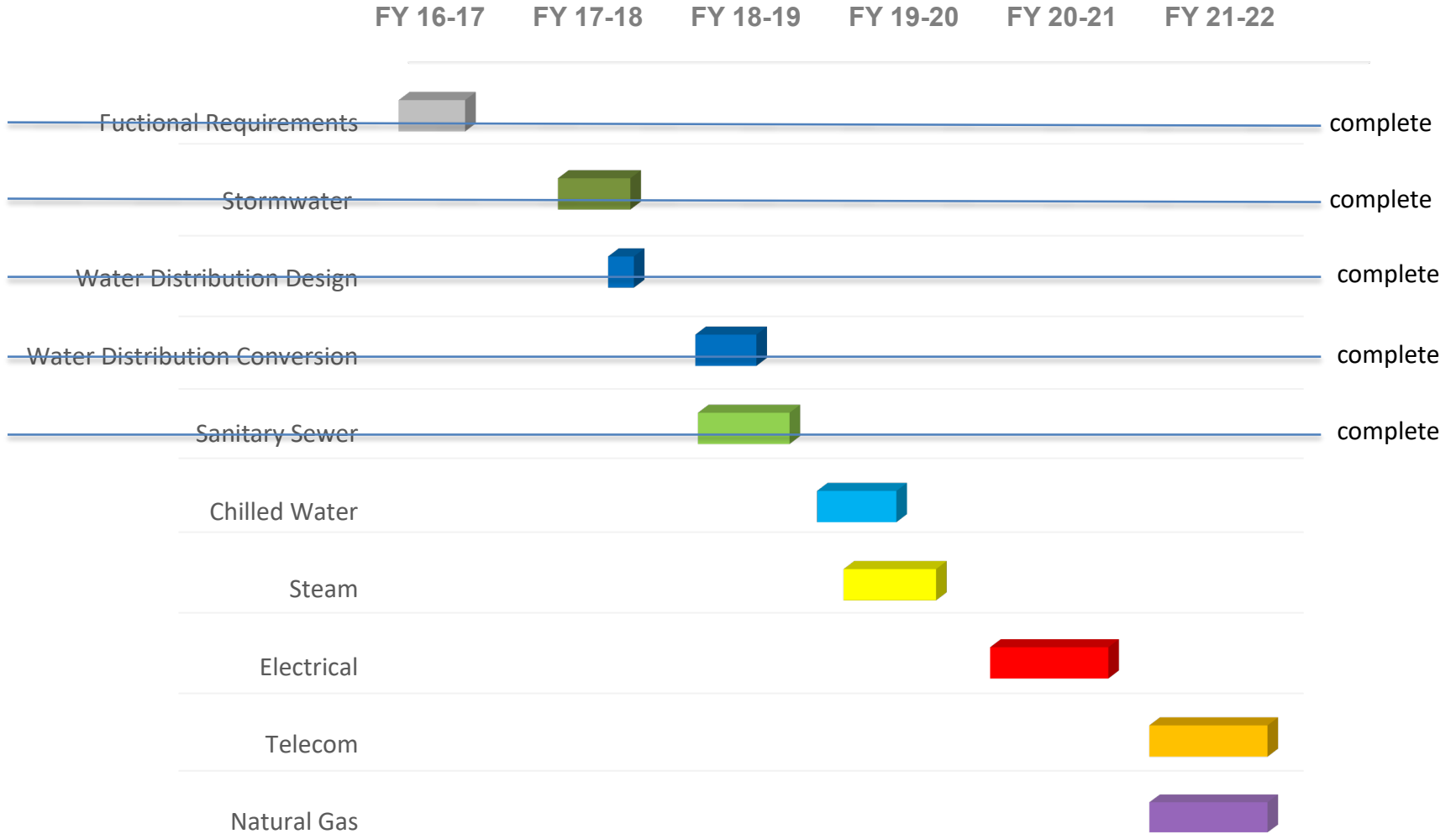
FY 2019-2020 Projects

Steam Data Model and CAD Migration – October 2019 Project Kick-off

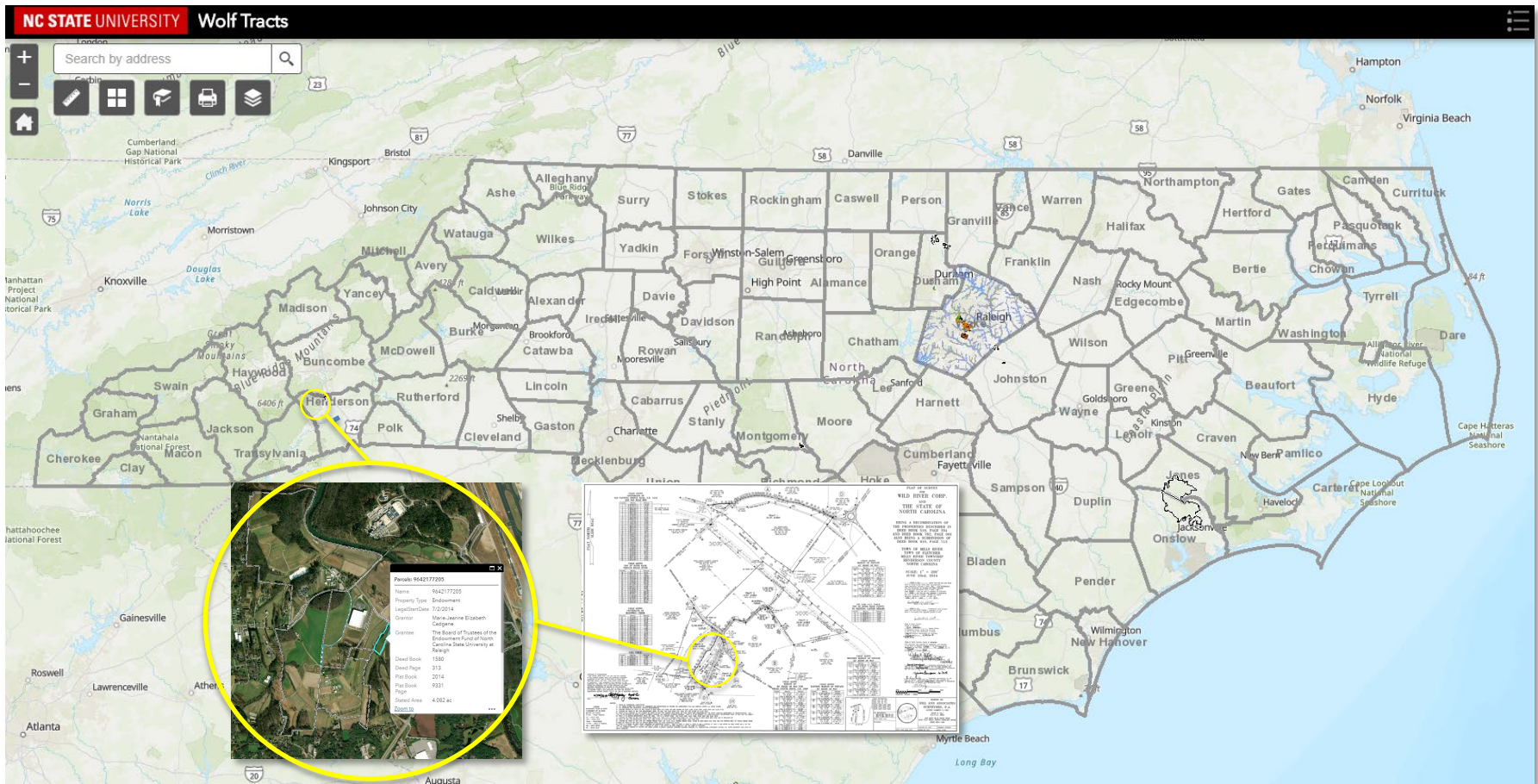


Utilities Implementation

Schedule



Wolf Tracts Web App

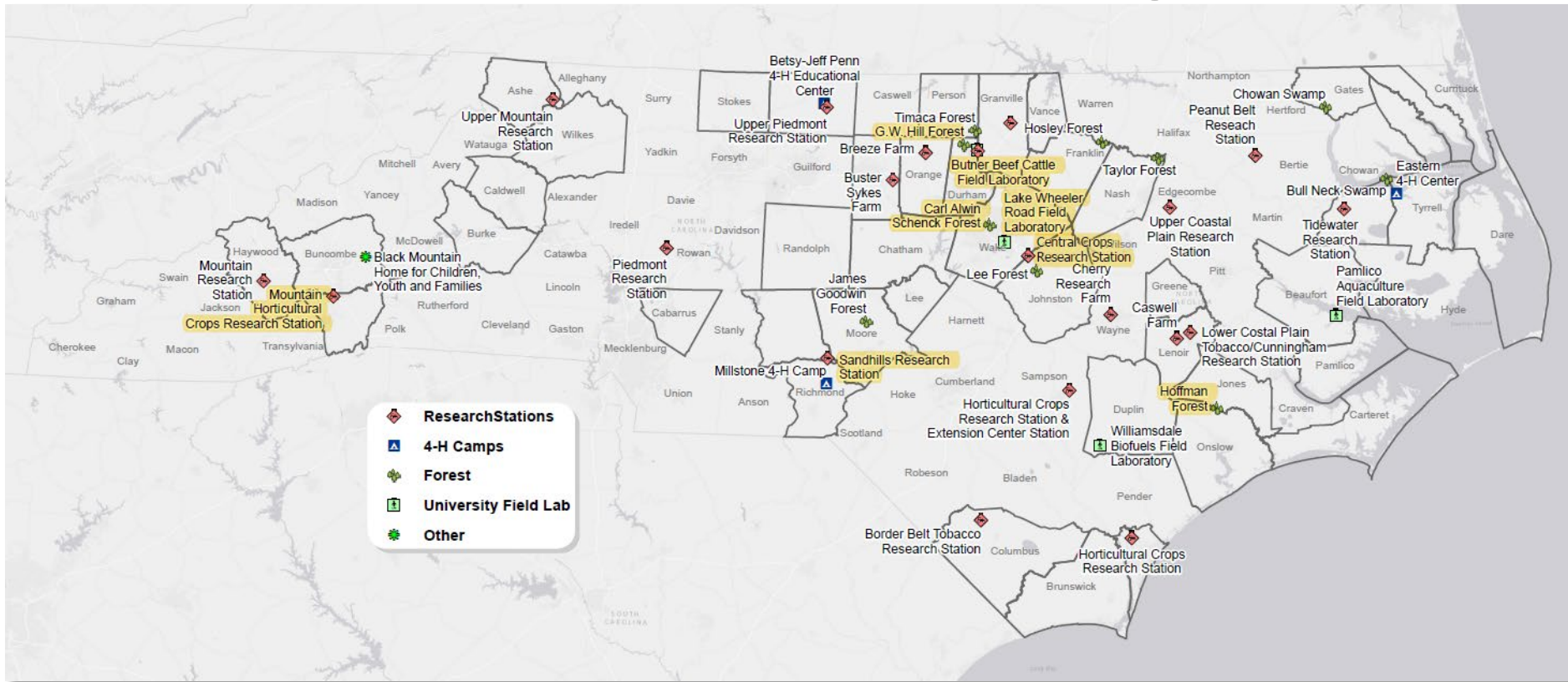


Web Application for Viewing Land Records

<https://ncsugisweb.oit.ncsu.edu/wolftracts>

- 221 Parcels
- 200 Encumbrances including:
 - 163 Easements
 - 34 Leases
 - 1 Land use restriction
 - 1 Cemetery
 - 1 Conservation Area

Parcel Data Statewide Progress



35 Total land holdings including:
 Research Stations, 4-H Camps, Forests, University Field Labs & Leased Premises in 47 Counties (per AERES)

- Approximately 106,900 acres statewide
- Currently 89,295 acres in Wolf Tracts
- 84% 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)



College of Agriculture and Life Sciences

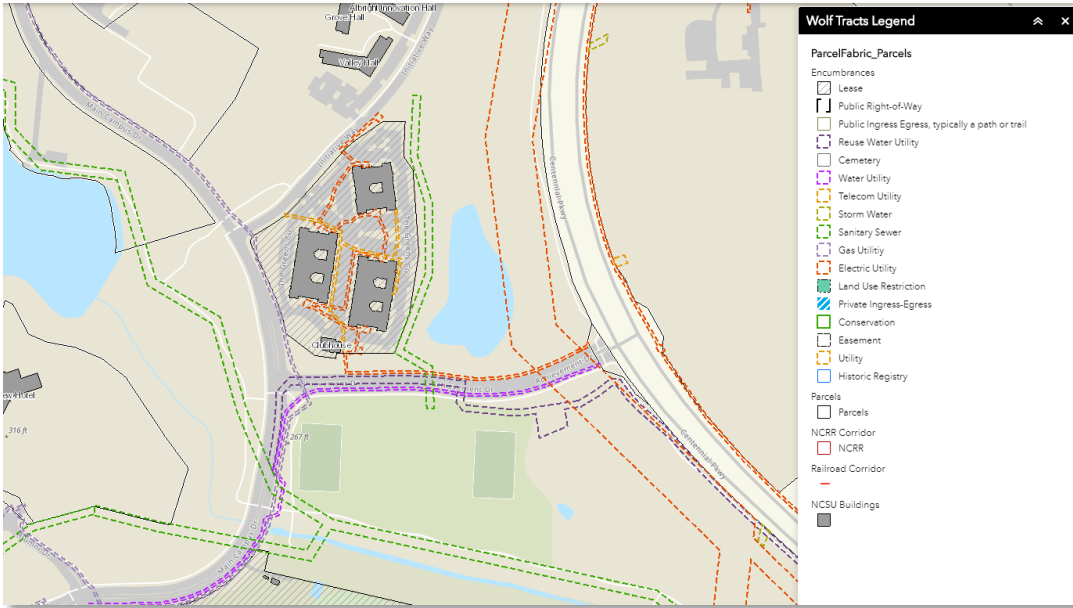


College of Natural Resources



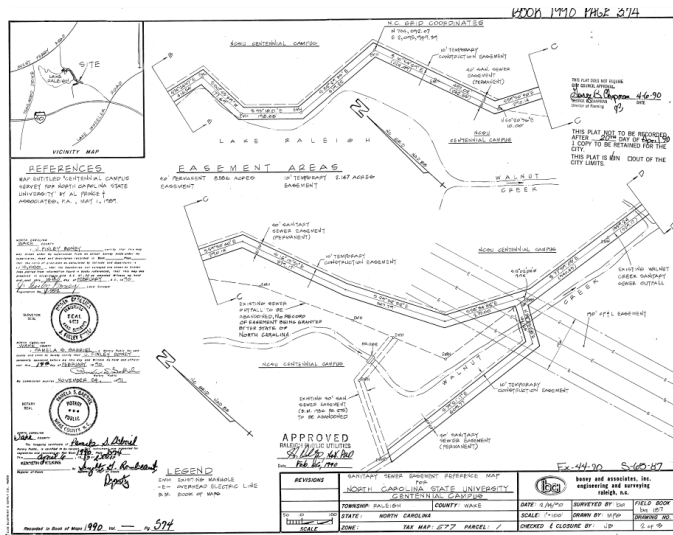
EXTENSION

Wolf Tracts Progress



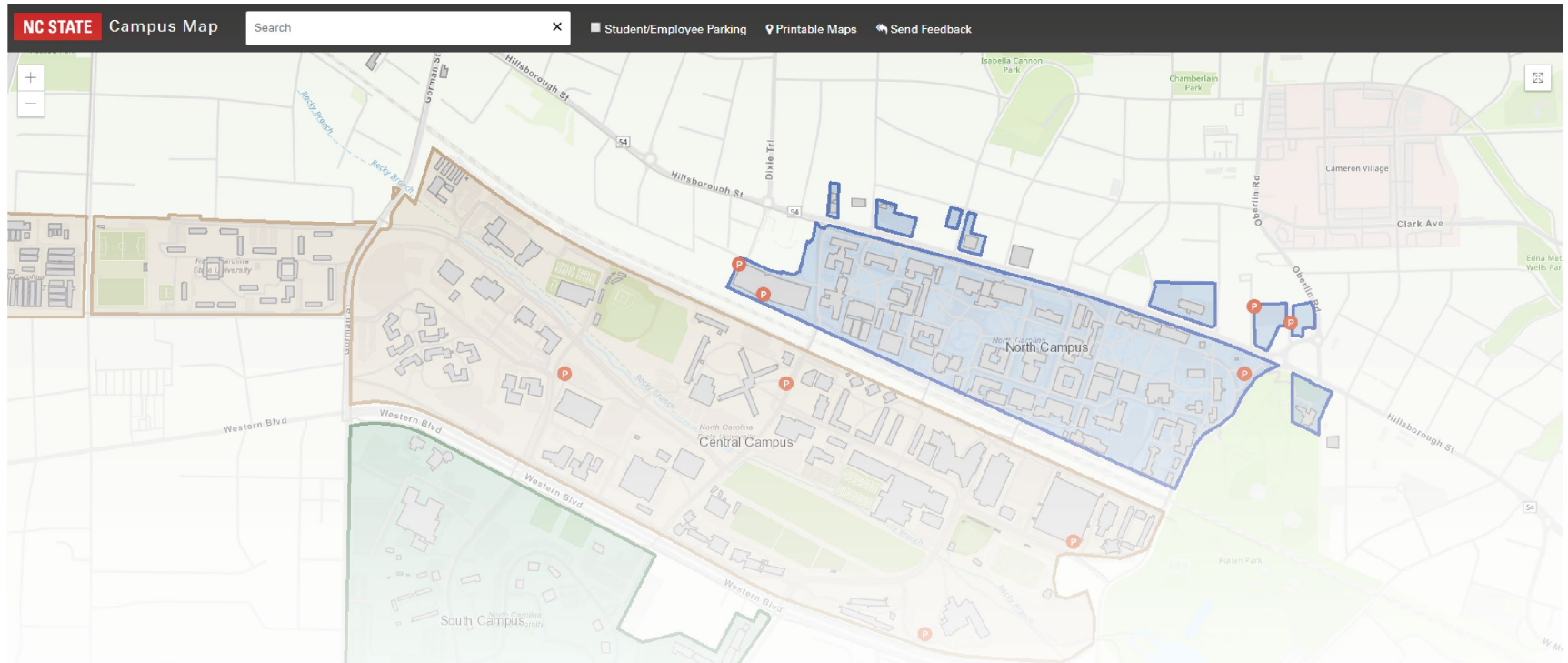
Wake County Easements

- 192 Entries in AERES
- 114 Added to Wolf Tracts
- Complete by EOY 2019



Real Estate_Party	Real Estate_Props	Real Estate_Props	Real Estate_Props	Real Estate_SPO	Real Estate_SPO	Real Estate_SPO	Real Estate_Comments	Real Estate_Trans
York Properties Inc.	Northern property line of Centennial Campus	Raleigh	Wake				Right of Entry granted to York Properties to build a sidewalk on Centennial Campus.	Easement
Carolina Power & Light Company	Carter Stadium, Hillsborough Rd & Blue Ridge Rd.	Raleigh	Wake	92-039D006	1	6	Easement consists of seven sections of land, as described in the Easement document.	Easement
Carolina Power & Light Company	Carter Finley Stadium, Trinity Rd., near Horse Arena	Raleigh	Wake	92-039D003	1	3		Easement
Carolina Power & Light Company	Carter Finley Stadium, Trinity Rd., near Gate C	Raleigh	Wake	92-039D002	1	2		Easement
Carmike Cinemas, Inc.	NCSU Arboretum	Raleigh	Wake	92-027.023.001	2		Permanent Access easement granted for road to J.C. Raulston Arboretum. Temporary construction easements also granted. Agreement was made to establish a definite boundary line between land owned by Carmike Cinemas and the State of North Carolina.	Easement
Centennial Authority	Carter Finley Stadium, at Trinity and West Chase Roads	Raleigh	Wake	92-039D019	1	19		Easement

Online Campus Map



Year to Date: 418,482 Hits, 155,498 Unique Visits, and 1:05 Average Visit Time.

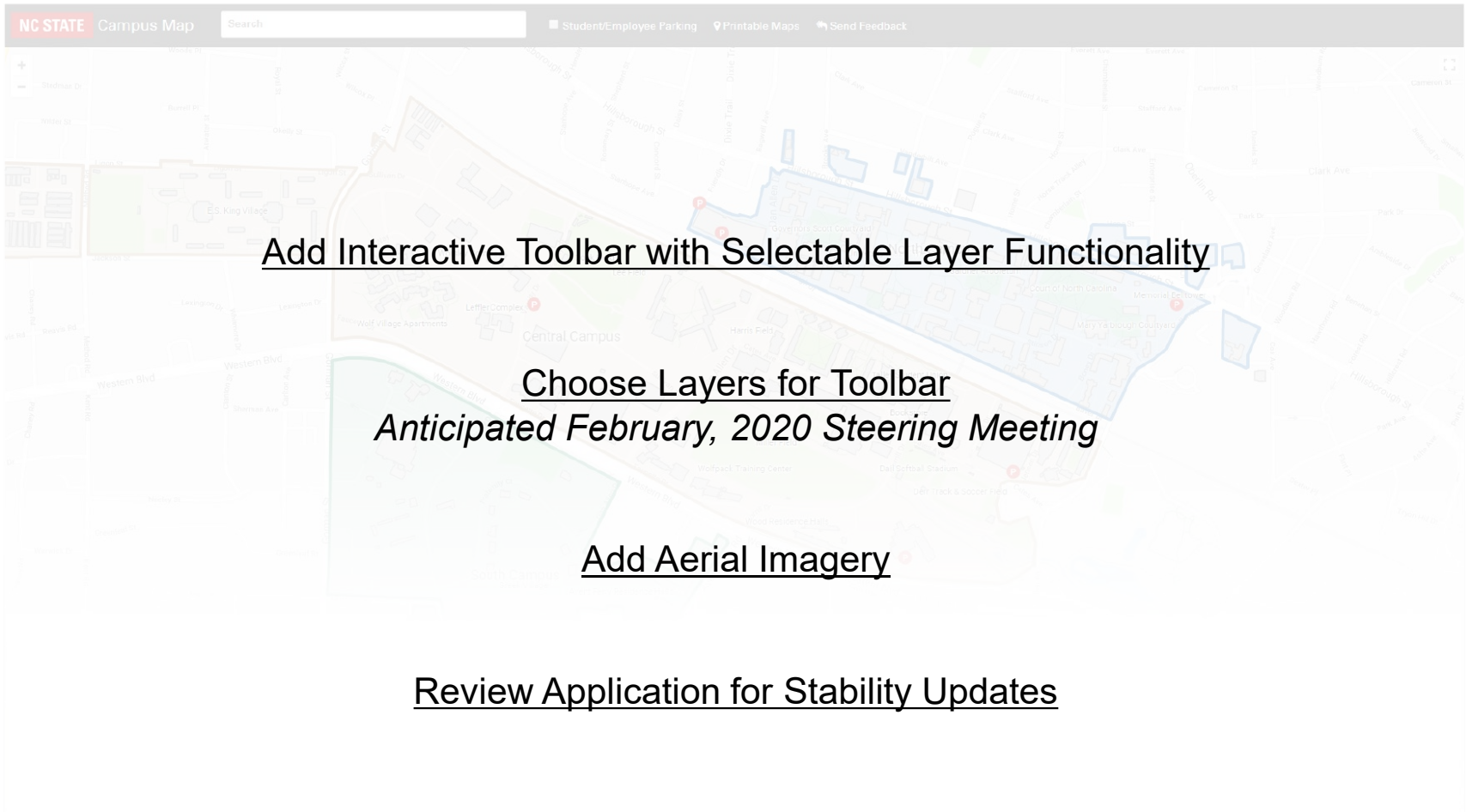
Introduced Updated Basemap Symbology

Monthly Updates and Uploads of Record Drawings

Basemap Upgrade to ESRI Version 2.0

Online Campus Map

Enhancements



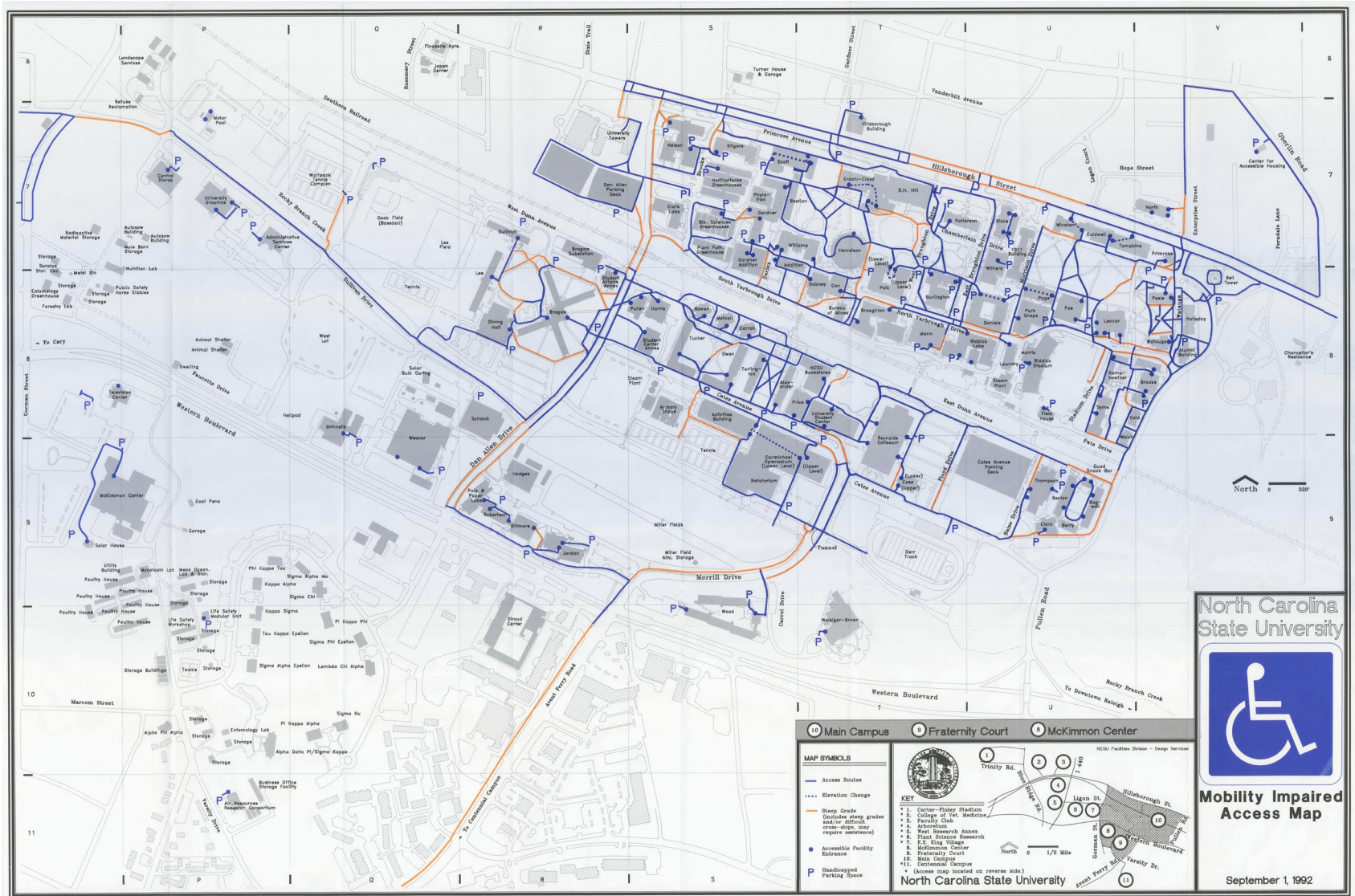
Add Interactive Toolbar with Selectable Layer Functionality

Choose Layers for Toolbar
Anticipated February, 2020 Steering Meeting

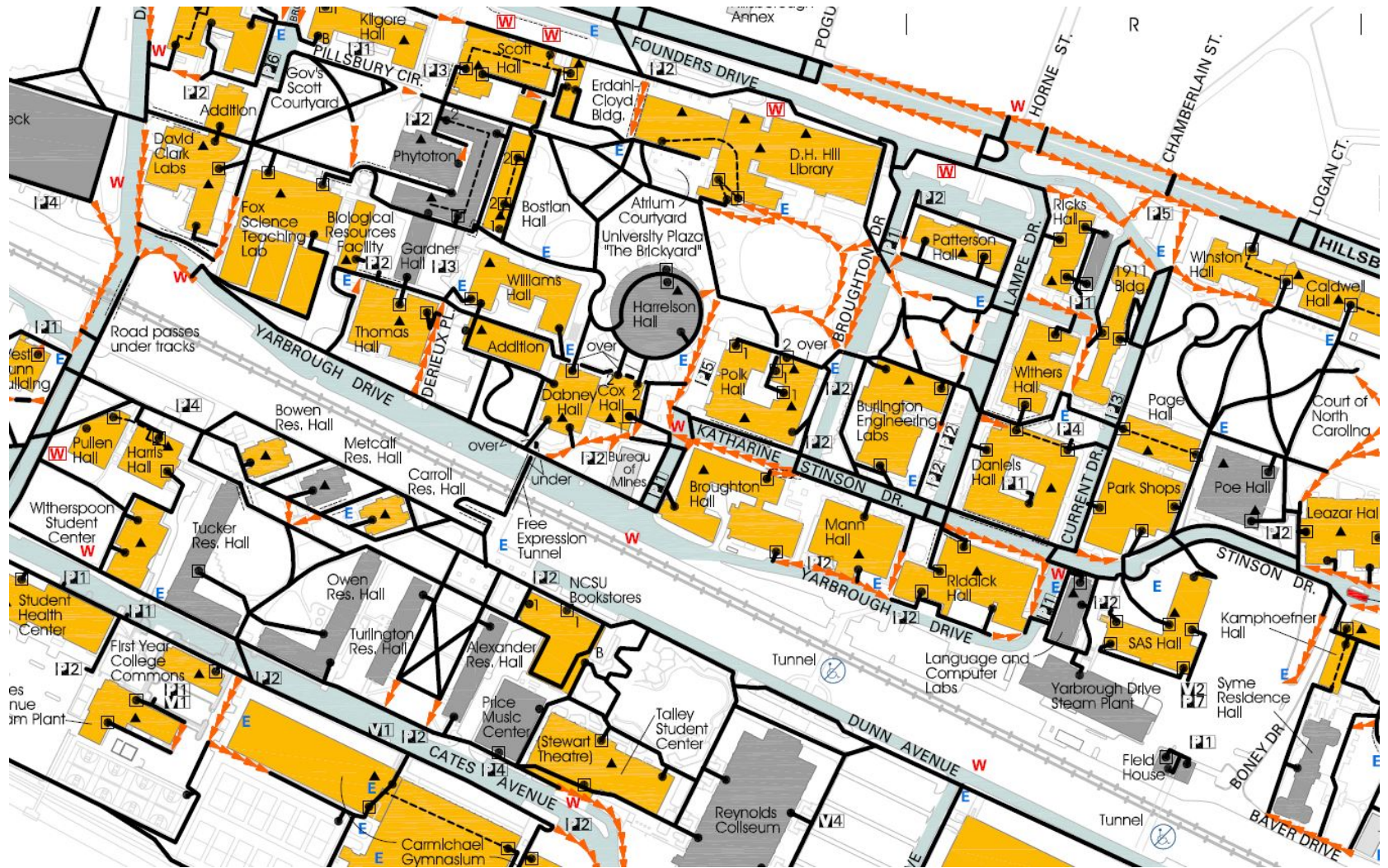
Add Aerial Imagery

Review Application for Stability Updates

First Mobility Impaired Access Map




















Most Recent Accessibility Map



Accessibility Map Update

SYMBOLS KEY

-  **Accessible building.** A building with one or more grade level or ramped entrances. All building entrances and doorways into classrooms are a minimum of 32 inches wide. The building is open from 8am to 5pm. For a building of more than one floor, an elevator or lift must be accessible.
-  **Partially accessible building.** A building with one or more accessible entrances, but with limited access to all floors.
-  **Inaccessible building.** A building without a grade level or ramped entrance.
-  **Future Accessible building.** At the time of this publication, buildings in this category are scheduled for construction and will be fully accessible.
-  **Access route.** A walkway or ramp having a slope no greater than 1 inch per foot with level landings every 30 feet.
-  **Handrails.** A hand support rail installed on a walkway or ramp where the slope is greater than 5%.
-  **Elevation change.** An accessible route through a building that may require the use of an elevator.
-  **Steep grade.** Includes steep grades and/or difficult cross-slope; may require assistance. Arrow points downhill.
-  **Accessible facility entrance.**
-  **Accessible facility entrance with door opener**
-  **Passenger elevator.** Accessible elevator for general use.
-  **Inaccessible tunnel.**
-  **Accessible car parking spaces.** (Number of spaces)
-  **Accessible van parking spaces.** (Number of spaces)
-  **Accessible Wolfline bus shelter.**
-  **Accessible Wolfline bus transit stop.**
-  **Emergency Blue Light Telephone location.**

Scope

Update pathway and other symbolized data to current conditions.

Presented as a static map hosted within Enterprise GIS and made available via download.

Other Business

Next Meeting: February 2020