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
Current Production GIS Utilities

- **Stormwater**
  - 6 Unique System Components
  - TWG Established July, 2018 ~ Bi-Monthly Meetings

- **Water Distribution**
  - 24 Unique System Components
  - TWG Established August, 2019 ~ Bi-Monthly Meetings

- **Sanitary Sewer**
  - 26 Unique System Components
  - TWG Anticipated Spring, 2020 ~ Bi-Monthly Meetings

- **Chilled Water**

- **Steam**

- 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

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<thead>
<tr>
<th>Department</th>
<th>Role</th>
<th>Contact</th>
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<tr>
<td>Utilities and Engineering</td>
<td>Data Owner, Lead Geometry Editor</td>
<td>Andrew Futrell</td>
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<td>Alan Daeye</td>
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<td>Central Engineering</td>
<td>Utilities Subject Matter Expert</td>
<td>Brandon Taylor</td>
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<td>Energy Management</td>
<td>Energy Data Subject Matter Expert</td>
<td>Lib McGowan</td>
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<td>Building Maintenance and Operations</td>
<td>Building Systems Subject Matter Expert</td>
<td>Joanna Norton</td>
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<td>Office of the University Architect</td>
<td>Project Manager, Survey Subject Matter Expert, Secondary Geometry Editor</td>
<td>Heath Huovinen</td>
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**Enterprise GIS Group**
- Data Administrator
- Technical Support
# Current Production GIS Utilities

## Sanitary Sewer Technical Working Group

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GIS Utility Progress

Data Population (Legacy CAD Annotation and AERES Projects)

- Stormwater: 96%
- Water Distribution: 98%
- Sanitary Sewer: 98%
- Chilled Water: 99%
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

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.
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%.

Steep grade. Includes steep grades and/or difficult cross-slope; may require assistance. Arrow points downhill.
Where can I get this?

Printable Campus Maps

View available maps below. All maps are available in PDF format.

- 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
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)
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