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

6 Unique Asset Types
Technical Working Established July, 2018 ~ Bi-Monthly Meetings

12 Unique Asset Types
Technical Working Established August, 2019 ~ Bi-Monthly Meetings

16 Unique Asset Types
Technical Working Anticipated January, 2020 ~ Bi-Monthly Meetings
# Current Production GIS Utilities

## Stormwater Technical Working Group

| Utilities and Engineering | Data Owner  
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<tbody>
<tr>
<td><em>Andrew Futrell</em></td>
<td>Lead Geometry Editor</td>
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| Environmental Health and Safety | Permitting Subject Matter Expert  
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<td><em>Karyn Green</em></td>
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| Grounds Services | Stormwater Control Measure Subject Matter Expert  
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| Office of the University Architect | Project Manager  
|-------------------------------------|-----------------|
| *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>Utilities and Engineering</th>
<th>Data Owner</th>
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<td><strong>Andrew Futrell</strong></td>
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<td><strong>Alan Daeke</strong></td>
<td>Utilities Subject Matter Expert</td>
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<th>Energy Management</th>
<th>Energy Data Subject Matter Expert</th>
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<th>Building Maintenance and Operations</th>
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<td><strong>Heath Huovinen</strong></td>
<td>Survey Subject Matter Expert</td>
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<td>Technical Support</td>
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GIS Utility Progress

Data Population (Legacy CAD Annotation and AERES Projects)

- Stormwater: 93%
- Water Distribution: 96%
- Sanitary Sewer: 96%
GIS Utility Progress

93% - Stormwater

- Material
- Asset ID
- Width
- Height
- Structure Type
- SCM Type
- SCM Description
- Comments (Outfalls)
- Owned By
- Maintained By
- Year Installed
GIS Utility Progress

96% Water Distribution

Material
Diameter
Hydrant Number
Owned By
Maintained By
Year Installed
GIS Utility Progress

Sanitary Sewer

- Material
- Diameter
- Structure Type
- Owned By
- Maintained By
- Year Installed
Utilities Implementation
FY 2019-2020 Projects
Steam Data Model and CAD Migration – October 2019 Project Kick-off
Utilities Implementation

Schedule

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<th>FY 16-17</th>
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<th>FY 20-21</th>
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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)
Wolf Tracts Progress

Wake County Easements
- 192 Entries in AERES
- 114 Added to Wolf Tracts
- Complete by EOY 2019
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
Accessibility Map Update

**Scope**

Update pathway and other symbolized data to current conditions.

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

Schedule

September – December: Pathway/door opener analysis and field verification.

Late-December: Partial DRAFT plan review; primarily symbology.

January: Full DRAFT plan review.

February: Publish FINAL map.
Other Business

Next Meeting: February 2020