



Empowering the City of Altamonte Springs with ArcGIS Online

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Session

Session Title: ArcGIS Online: Value to City Governments

Paper #477:

Empowering the City of Altamonte Springs with ArcGIS Online

Tuesday, July 15, 2014, 3:15 PM - 4:30 PM
Room 24 C



Abstract

The City of Altamonte Springs is leveraging ArcGIS Online to empower non-GIS users with the ability to **access, organize and share spatial information in ways that would not otherwise be possible for an organization of our size.** Key advantages include the ability to **easily create web applications and access content from any device, anywhere.** Our hybrid approach hosts public-facing information on the Esri cloud, and **sensitive utility information on ArcGIS Server in-house.**

ArcGIS Online

Mobile Apps & Public Web Maps

ArcGIS Online

- Promoted as an easy way for GIS & non-GIS users to create and share their own maps.
- We recognized opportunity to provide:
 - **Mobile** mapping through the free ArcGIS App
 - **Public-facing web maps** and downloadable layers
 - Reduce load on our own City servers



ArcGIS Online Advantages

- Serve Entire Organization / Enterprise
 - Groups, Users
- No software to install
- Esri maintains, adds new features & functionality over time:
 - Analysis, Location Analytics

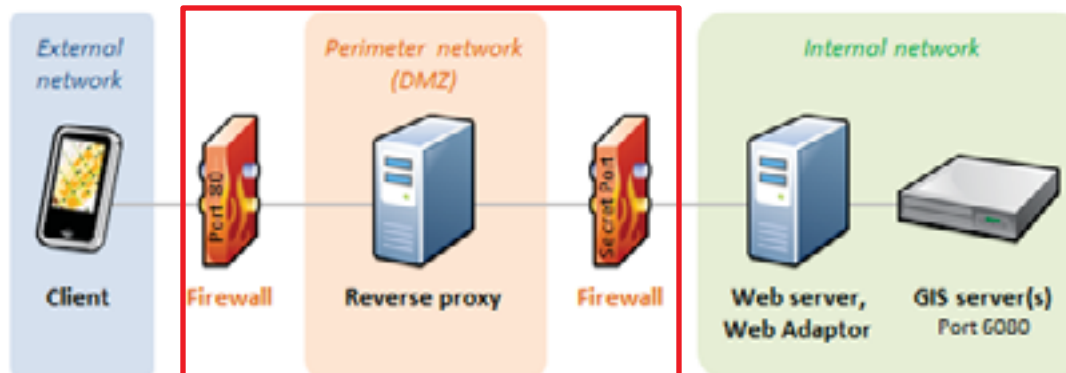
Enhances your GIS capabilities:

- Small staff can deploy apps like a bigger organization
- Maps and Apps – ready to configure
- Solves Multiple Issues - In our case:
 - Mobile Apps
 - Public Facing Web maps

Security

Reverse Proxy

- Control Access from web to City servers
- Web Adaptor
- Access through Reverse Proxy URL
- DMZ



ArcGIS Online & ArcGIS Server

Public layers (Zoning)

- Hosted on ArcGIS Online Cloud

Sensitive layers (Utilities)

- Hosted on City's ArcGIS Server
- City Login Required



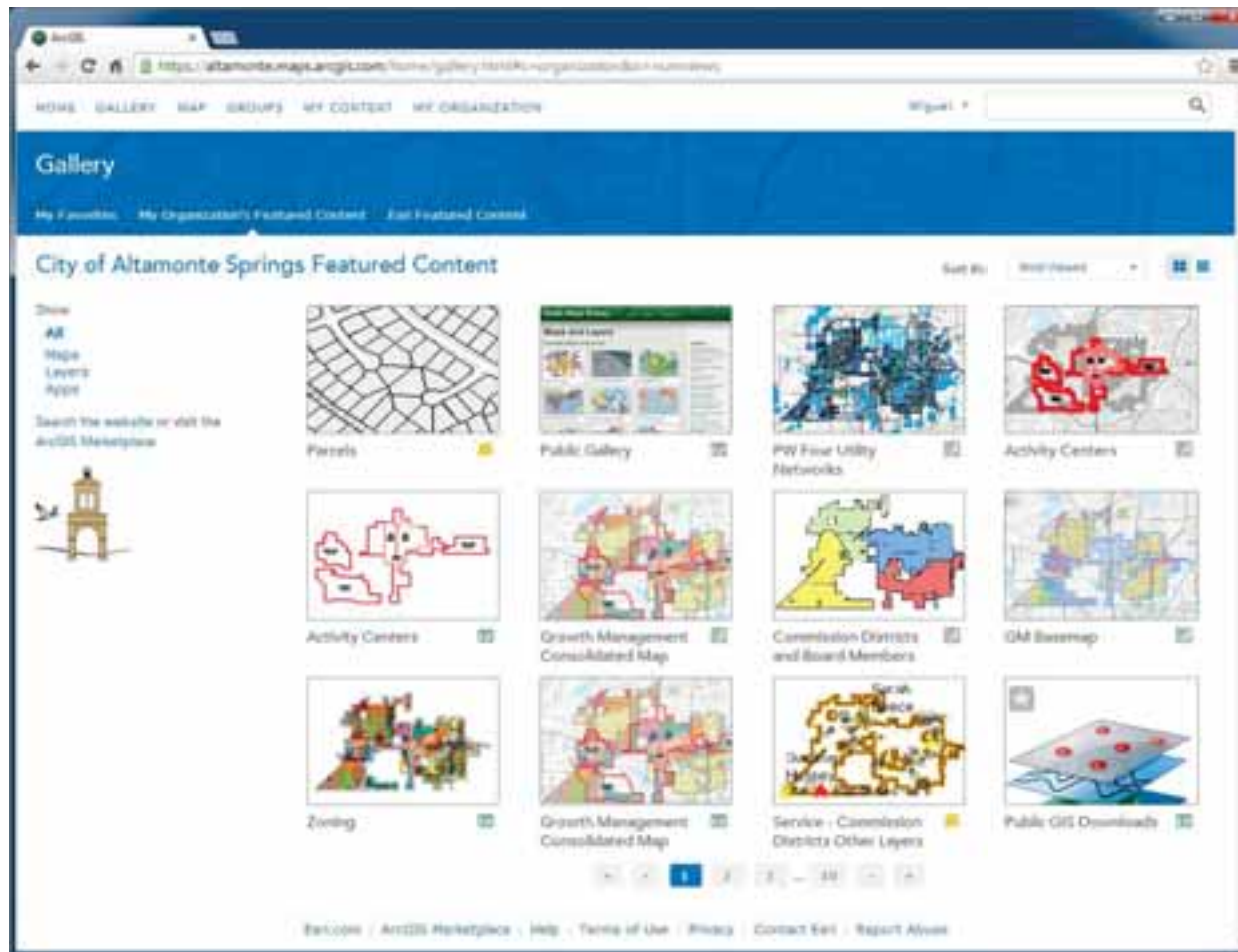
Combine Services as needed

ArcGIS Online - Desktop Home Screen

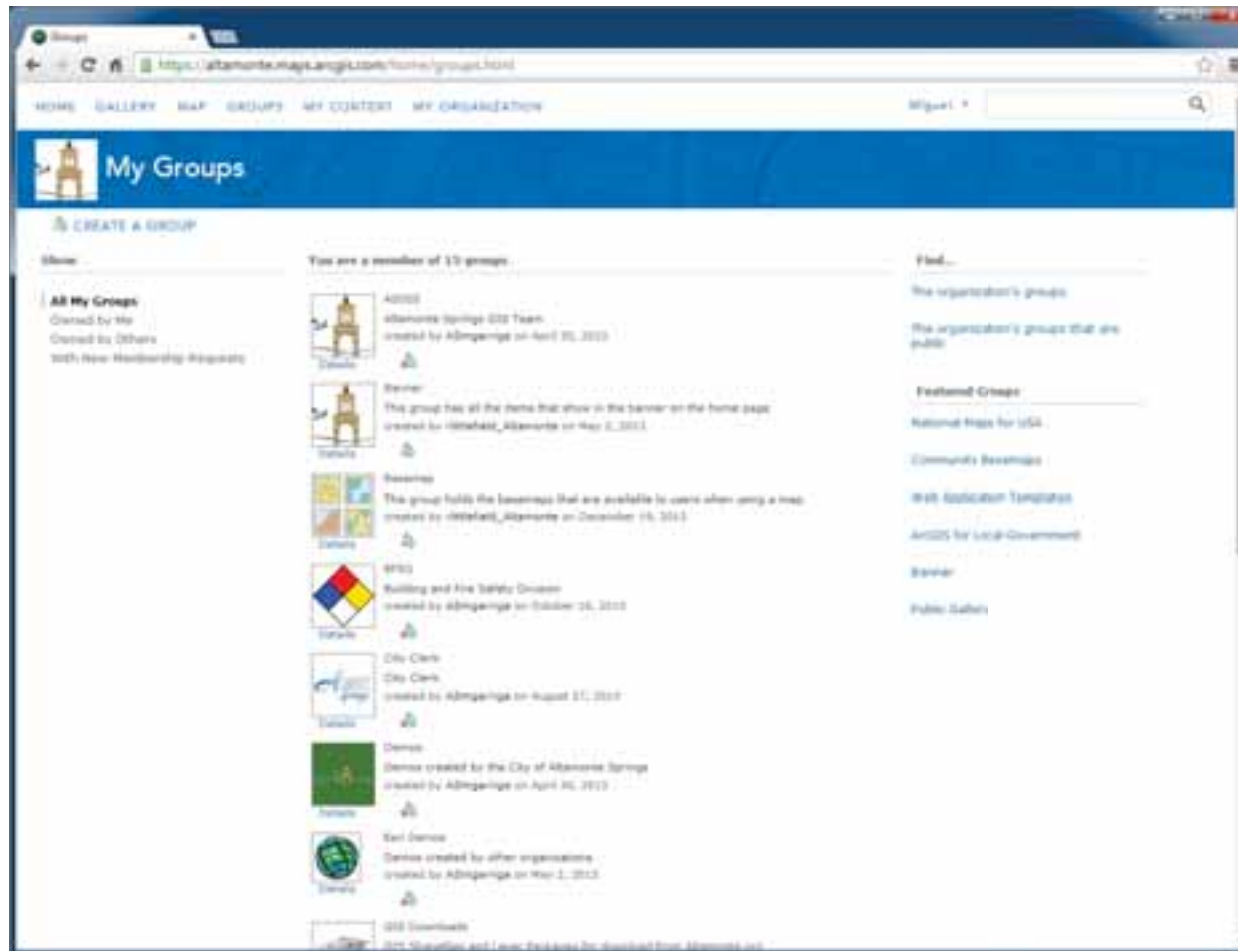


Gallery

Maps, Apps & Services

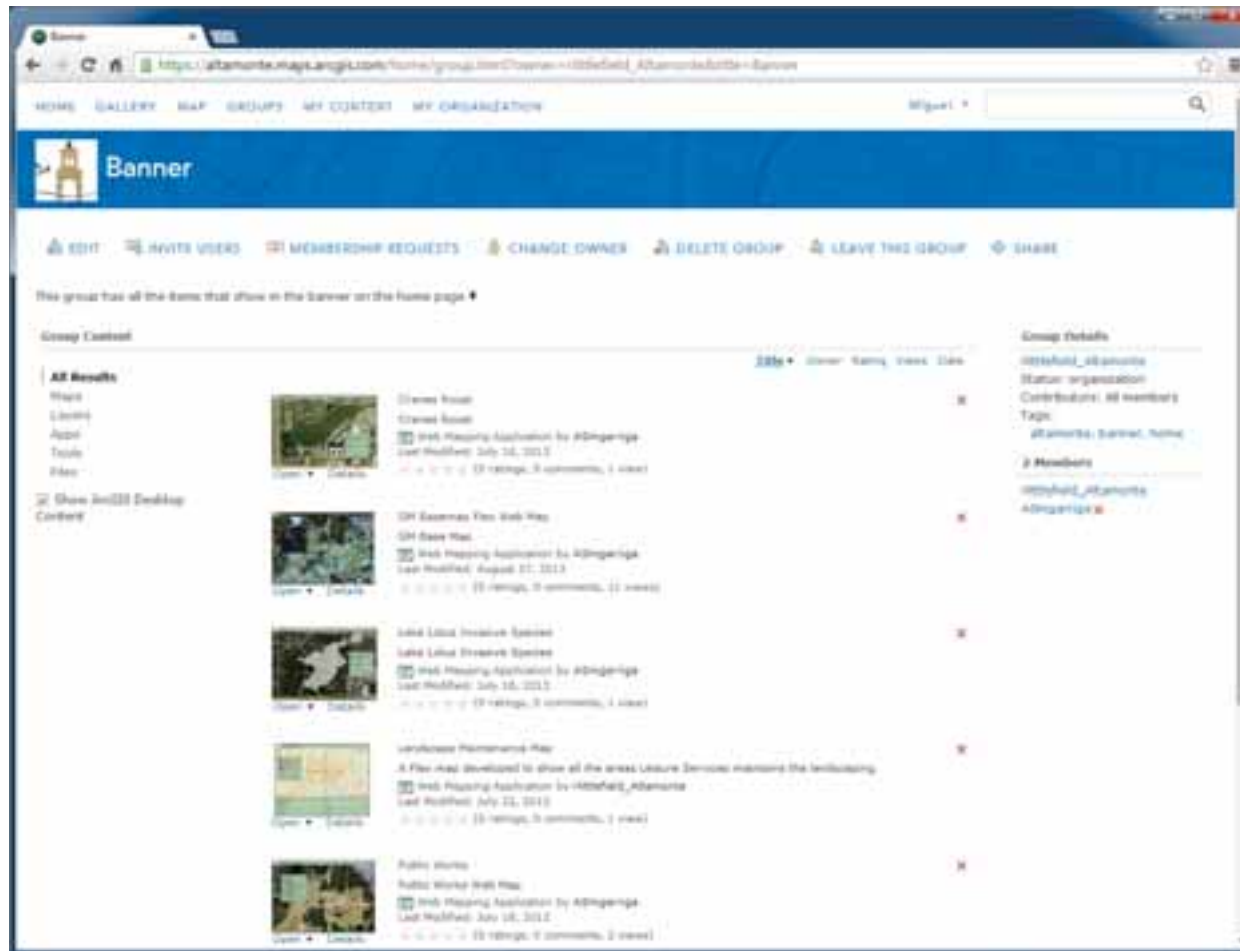


Groups Based on Departments

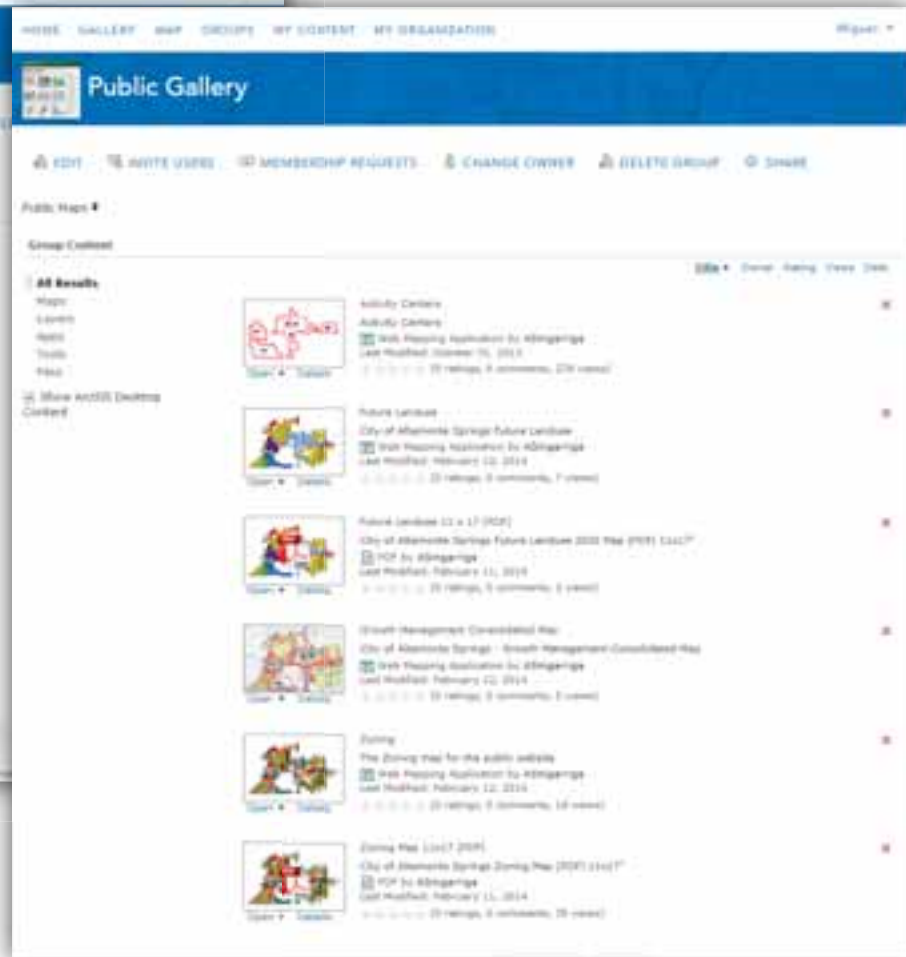


Groups

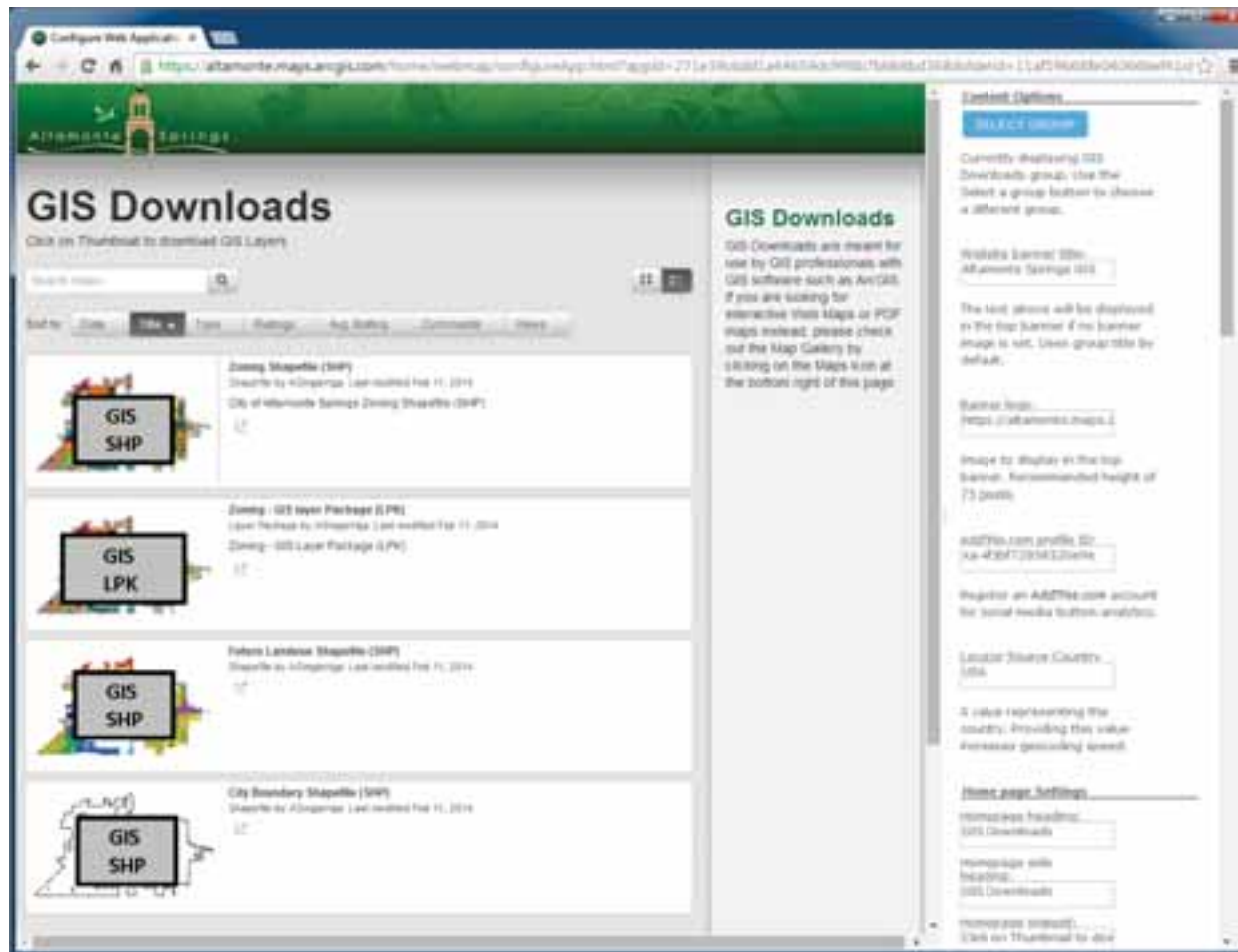
Banner Group for Home Page



Groups – Public Maps and Downloads



Public Map Gallery App GIS Downloads - Configuration



ArcGIS Online & Mobile ArcGIS App Managers & Field Workers

Managers

- Access to Information Anywhere
- Meetings, Presentations
- Out of office



Field Workers (PW)

- Access Utility Network maps from field
- Query/Identify Capability
- Still working on:
 - Edit
 - Access Record Drawings in the Field



Mobile Platforms

iPad

- Advantages
 - Easy to use
 - Cheaper than ruggedized tablet
 - Free ArcGIS App
- Disadvantages
 - Not Ruggedized
 - Lifeproof impact proof (MIL STD 810F-516) and water proof
 - Not Sunlight Readable
 - Porta-Brace Hoodies
 - Cannot browse Record Drawings (TIFs and PDFs)
 - GoodReader App



Ruggedized Windows Tablet

- Windows 7 (City not on 8 yet)
- Advantages:
 - Ruggedized
 - Easy to load and view Record Drawing (TIFs and PDFs)
- Disadvantages:
 - No ArcGIS App for Windows
 - Use ArcGIS Online web page instead

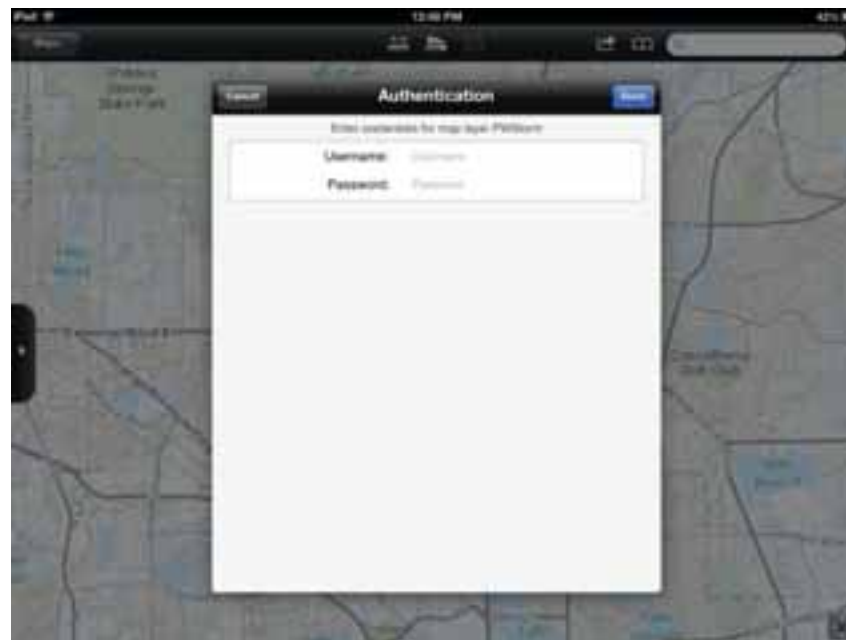


ArcGIS App Authentication

1. ArcGIS Online Sign In



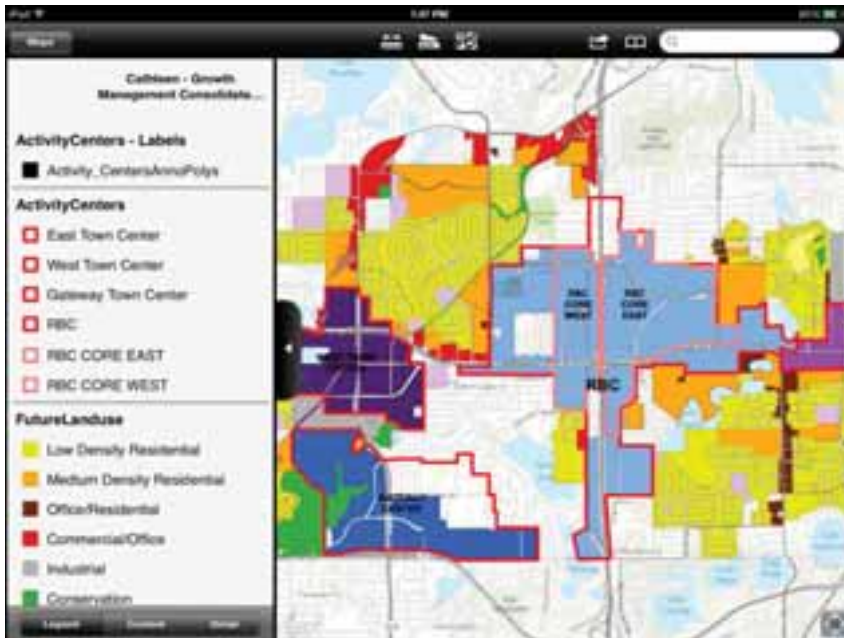
2. ArcGIS Server Map Services (Sensitive Layers)



ArcGIS Online Growth Management

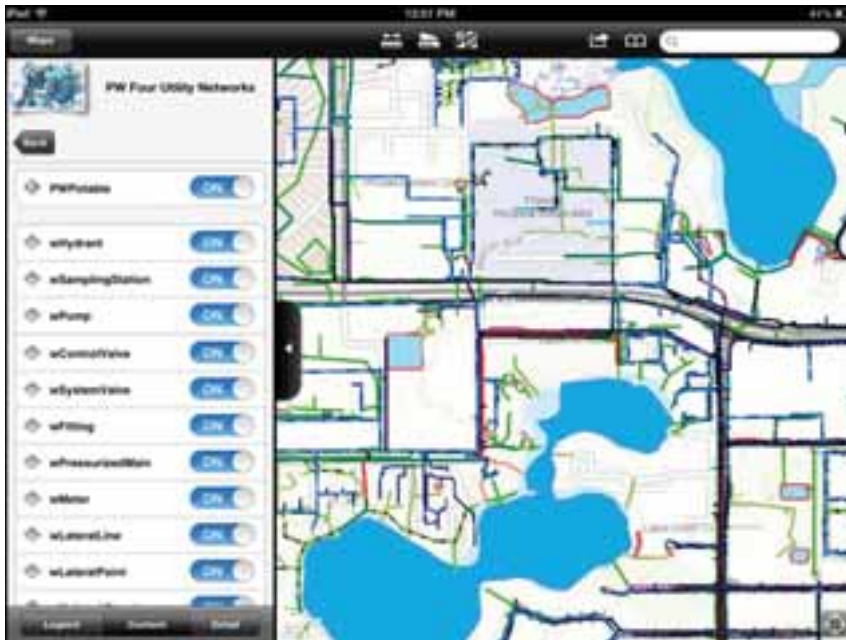
User Combined Services
To Create Custom Map

Parcel Information Popup



Public Works

Utilities – Layer On/Off



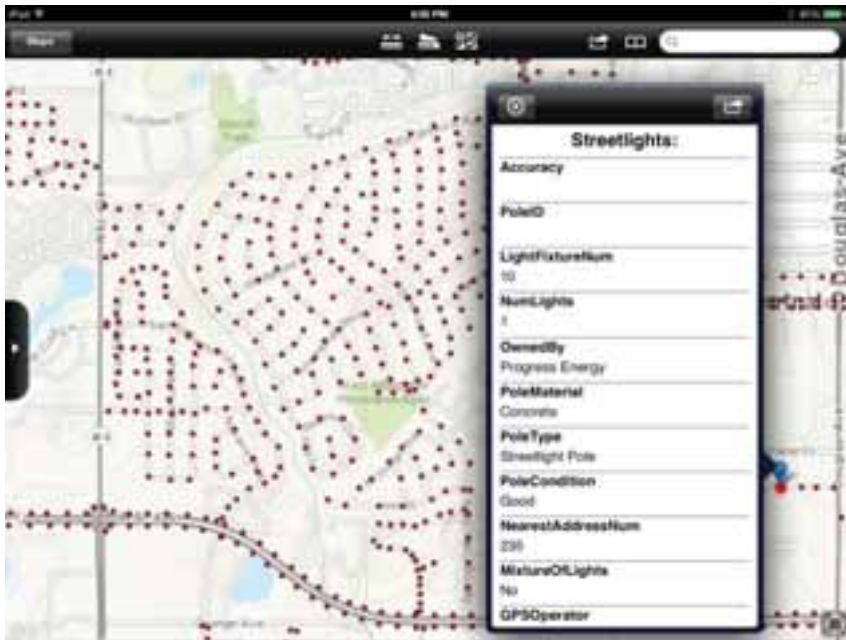
Utilities - Popup



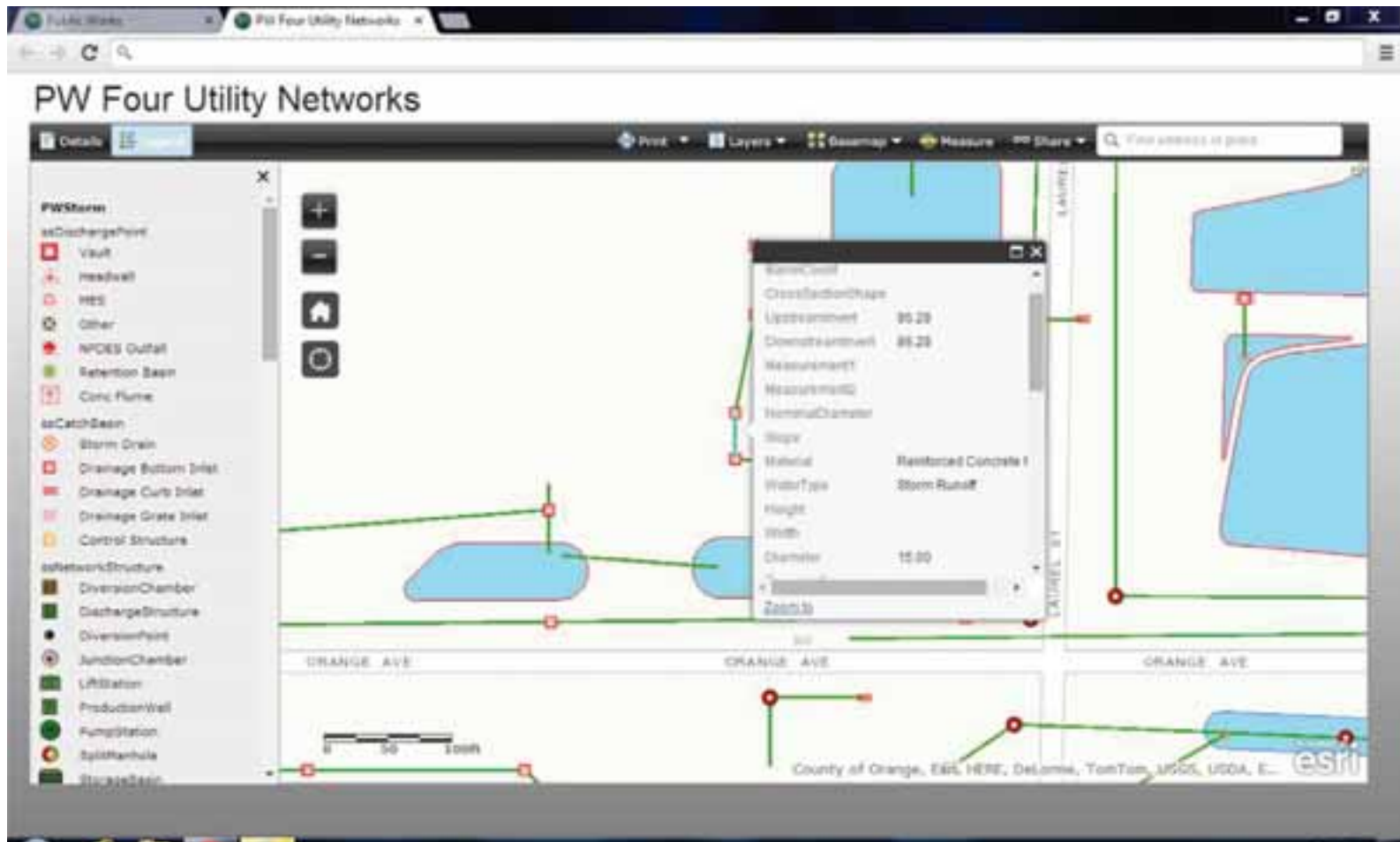
Inventory

Streelight Inventory
Public Works

Tree Inventory
Leisure Services



Windows Tablet ArcGIS Online Desktop



ArcGIS Online Public Web Maps

Before AGOL: One Static Map on City Website

ArcGIS Online Public Map Gallery Template

- Configured to support 2 separate web pages:
 - Public Map Gallery
 - GIS Download Gallery
- Create Groups to handle content:
 - Public Maps
 - GIS Downloads

Public Web Maps Hosted on ArcGIS Online

Public Web Maps

- Hosted on ArcGIS Online:
 - Public Layers
 - Web Maps
 - PDF Maps
 - GIS Data Downloads
- No load on City servers
- No sensitive layers
 - (ie no Utilities)

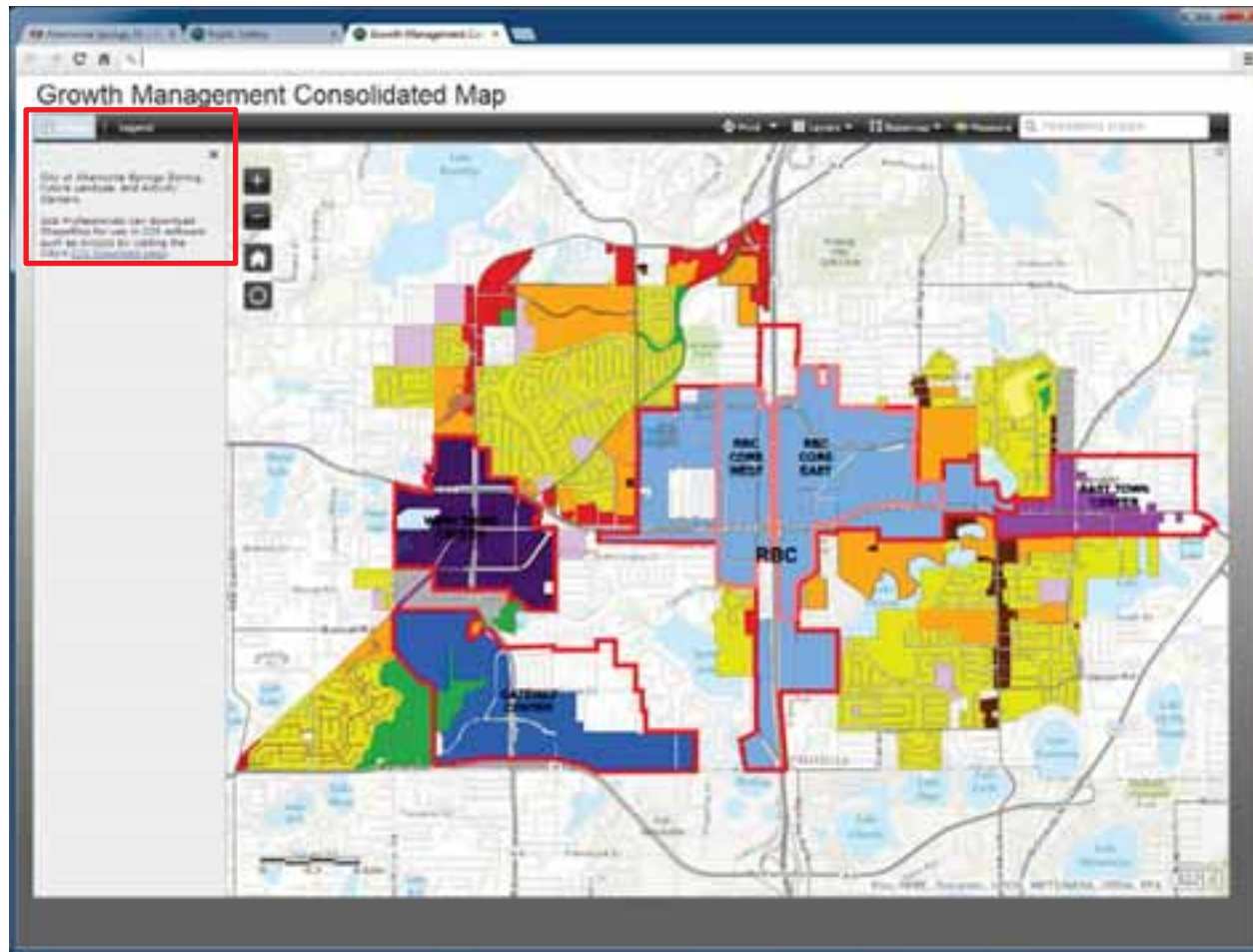


Public Galleries

Maps & GIS Downloads



Public Gallery Maps GIS Download Link in Details



Summary

Our Experience with ArcGIS Online

- Mobile Solution
 - Managers
 - Field
- Public Web Maps
- Public and Secure Services (combine as needed)
 - ArcGIS Online - Public Services
 - ArcGIS Server - Secure Services
- Expands your reach as a GIS professional
 - Like having developers on staff
 - *“Don’t customize, configure!”*

Thanks To

City of Altamonte Springs

- Larry DiGioia, IS Director
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- Department Directors
- Mayor Pat Bates and City Commissioners

Esri for Excellent Support

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- Robyn Garret, LG Account Manager
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- Artie Robinson, GIS Solutions Engineer
- Anthony Myers, GIS Solutions Engineer





Questions ?

Thank you !

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