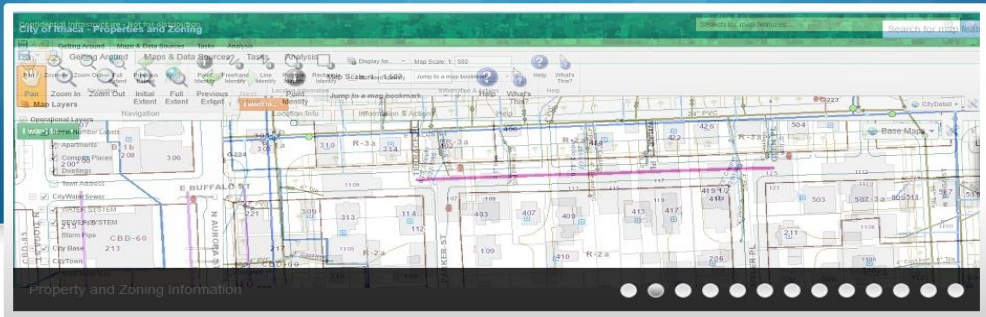


MUNICIPAL GIS - What We Offer

► Ruth Aslanis, City of Ithaca



GEOPORTAL Tompkins-Ithaca Initiative City Staff Sites FAQ Contact

City of Ithaca - Properties and Zoning

Property and Zoning Information

Tompkins-Ithaca Initiative	Intelligent Web Technology	The Development Team
In a long-standing (12-year) intergovernmental collaboration, Tompkins County and the City of Ithaca have developed these interactive mapping	These interactive maps were developed with Server technology from ESRI and Latitude Geographics. This combination of Geospatial services and tasks, development	The interactive maps are designed and maintained by an inter-agency team of GIS professionals from Tompkins County and the City of Ithaca.
Find Out More	Find Out More	Find Out More

MUNICIPAL GIS - What We Offer

▶ Who we are

- ▶ Team of 4 GIS professionals
- ▶ 18 years since first layers were drawn
- ▶ Collaborate closely with Tompkins County GIS
- ▶ Have 10 desktop users- number is declining;
- ▶ Have over 70 web map users
- ▶ Mission
 - To create and manage geographic data, applications and solutions which make a difference for staff, officials and the public in the day to day operations of the City.



MUNICIPAL GIS - What We Offer

► What we do

- Create/compile new data sets
- GPS and field collection
- Deliver:
 - In field with ArcPad custom apps
 - Custom desktop apps
 - Mapping and analysis products
 - Web based apps
- Update and maintenance
- Mapping and analysis service
- Train and consult w departments
- Build our capacity - keep current with GIS technology



GISday

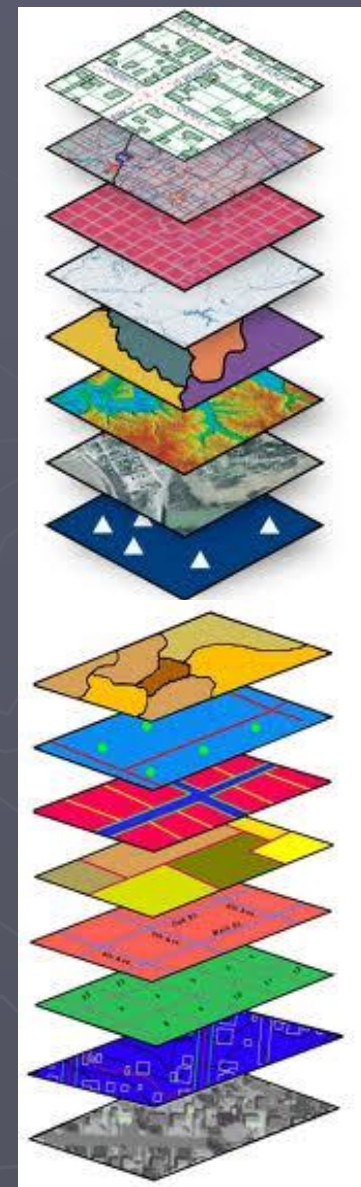
MUNICIPAL GIS - What We Offer

- ▶ Rich data easily accessible – created by a few; used by many.



MUNICIPAL GIS - What We Offer

- ▶ Richness of information, easily accessible – created by a few; used by many.
- ▶ Planimetric layers
- ▶ Intelligent layers
- ▶ Parcel mapping (County)
- ▶ Infrastructure systems and models
- ▶ Asset inventories
- ▶ Departmental data
- ▶ Regulatory boundaries
- ▶ And more under development - 18+ years
- ▶ Demographics
- ▶ DEMs
- ▶ Aerial imagery (State)
- ▶ Web based publically available data
- ▶ Collaboratively or cooperatively created data - Tompkins County, Soil Cons.
- ▶ Publically available data – Bing, Google, USGS, ESRI



MUNICIPAL GIS - What We Offer

► (Information) Delivery and Service

- Map sets
- Map and analysis service
- Emergency response
- Interactive maps - staff and public
- Workgroups
- Large and small data sets
- Complete operating picture
- Shared data for desktop users
- Applications
- In field users
- Consulting and training



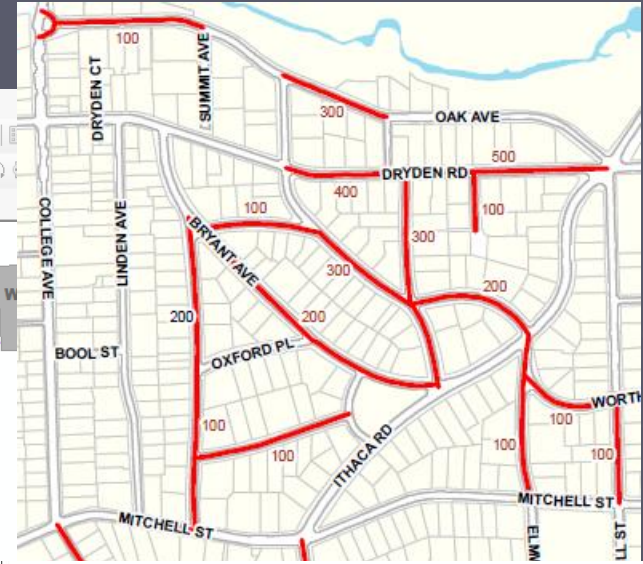
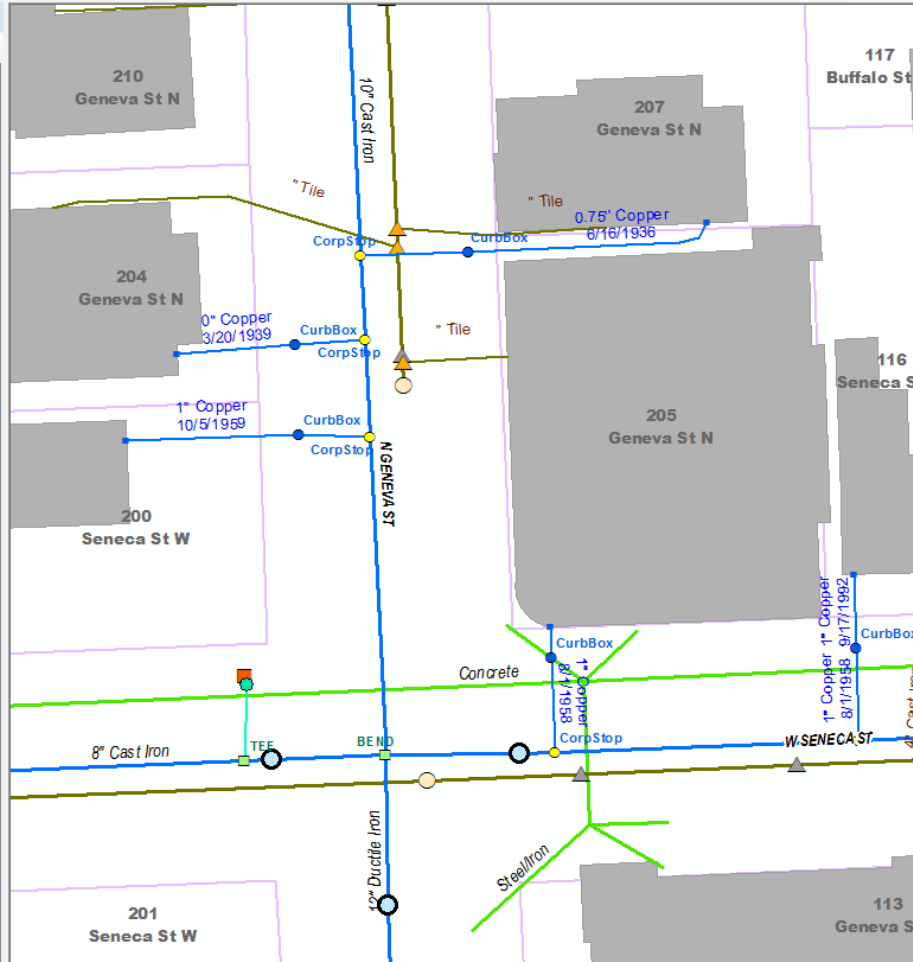
MUNICIPAL GIS - What We Offer

► Examples

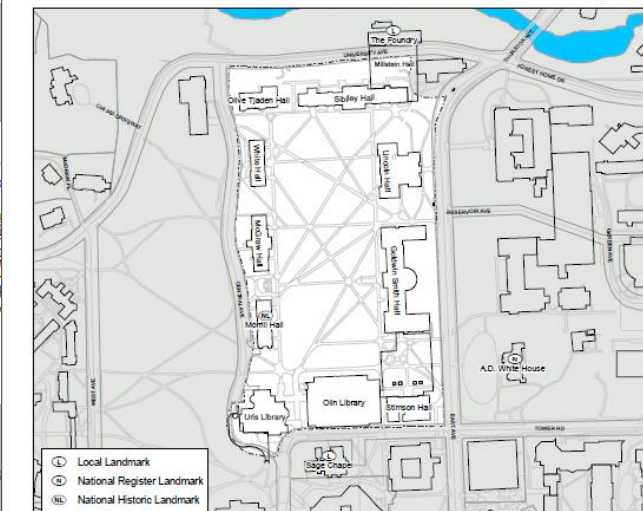


Table Of Contents

- Fireline
- Hydrant Branch
- Water Main
- Water Tank
- Water Facility
- Current Sewer
- Sewer Service Feature
- Sewer Stoppage Event
- Sewer Manhole
- Sewer Pump Station
- Sewer Monitoring Station
- Wye_Main
- Wye
- SUBTYPE
- Bend
- Cleanout
- Connector
- Only Wye; Patch; Plug
- Sewer Lateral
- Sewer Main
- Storm GDB
- Storm Maintenance Even



Cornell Arts Quad
Historic Districts: Ithaca, NY



MUNICIPAL GIS - What We Offer

► Examples

The screenshot displays the City of Ithaca Interactive Web Map interface. At the top, there is a search bar with the text "Search for map features...". Below the search bar is a navigation toolbar with icons for Pan, Zoom In, Zoom Out, Initial Extent, Full Extent, Previous Extent, and Next Extent. The main map area shows a street grid with various zoning districts and property boundaries. A legend on the left side lists several map layers, including City Properties, City Zoning, and CityBase. The City Properties layer is expanded, showing sub-layers like Apartments, Common Places, Dwellings, Town Addresses, City Owned Property, and others. The City Zoning layer is also expanded, showing sub-layers like Historic Property, All Historic Properties, Primary Commons Zone, Secondary Commons Zone, Residential Parking Permit System (RPPS) S, City Owned Property, Vacant Lots, Railroad Property, Business Improvement District, CPOZ (Collegetown Parking Overlay Zone), Gorge Protection Zone, Historic District, Zoning District, 2002 Ward, COFAS (Historic Property Review Decisions), and Hydrant. The CityBase layer is also expanded, showing sub-layers like CityBase. The map shows various zoning districts such as R-1a, R-1b, R-2a, R-2b, R-3a, R-3b, B-2a, B-2b, and P-1. A scale bar at the bottom left indicates 250 feet and 100 meters. The map also shows various streets and landmarks, including Schuyler House, Sage House, Grand View House, and Fire Station 9.

City of Ithaca Interactive Web Map

Search for map features...

Getting Around Maps & Data Sources Tasks Analysis

Pan Zoom In Zoom Out Initial Extent Full Extent Previous Extent Next Extent

Navigation

Point Identify Freehand Identify Line Identify Polygon Identify Rectangle Identify

Location Information

Display for... Map Scale: 1: 2,924

Information & Actions

Jump to a map bookmark... + Help What's This? Help

Map Layers

- Apartments
- Common Places
- Dwellings
- Town Addresses
- City Properties
- City Zoning
 - Historic Property (Indiv.)
 - All Historic Properties
 - Primary Commons Zone
 - Secondary Commons Zone
 - Residential Parking Permit System (RPPS) S
 - City Owned Property
 - Vacant Lots
 - Railroad Property
 - Business Improvement District
 - CPOZ (Collegetown Parking Overlay Zone)
 - Gorge Protection Zone
 - Historic District
 - Zoning District
 - 2002 Ward
 - COFAS (Historic Property Review Decisions)
 - Hydrant
- CityBase

Show Legend Filter

250 ft 100 m

MUNICIPAL GIS - What We Offer

► Examples

City of Ithaca Facilities

Getting Around | Maps & Data Sources | Tasks | Analysis

Point Identify | Freehand Identify | Line Identify | Polygon Identify | **Rectangle Identify** | Display for... | Buffered Identify

Measure Distance | Measure Area | Add as Drawing | Erase Drawing | Clear All | Measurement Info

Results (62)

System in Bldg: Emergency Generator
Caterpillar SNA00748
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5117.jpg

System in Bldg: Boiler Electroduct
330LW480-10E
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5121.jpg

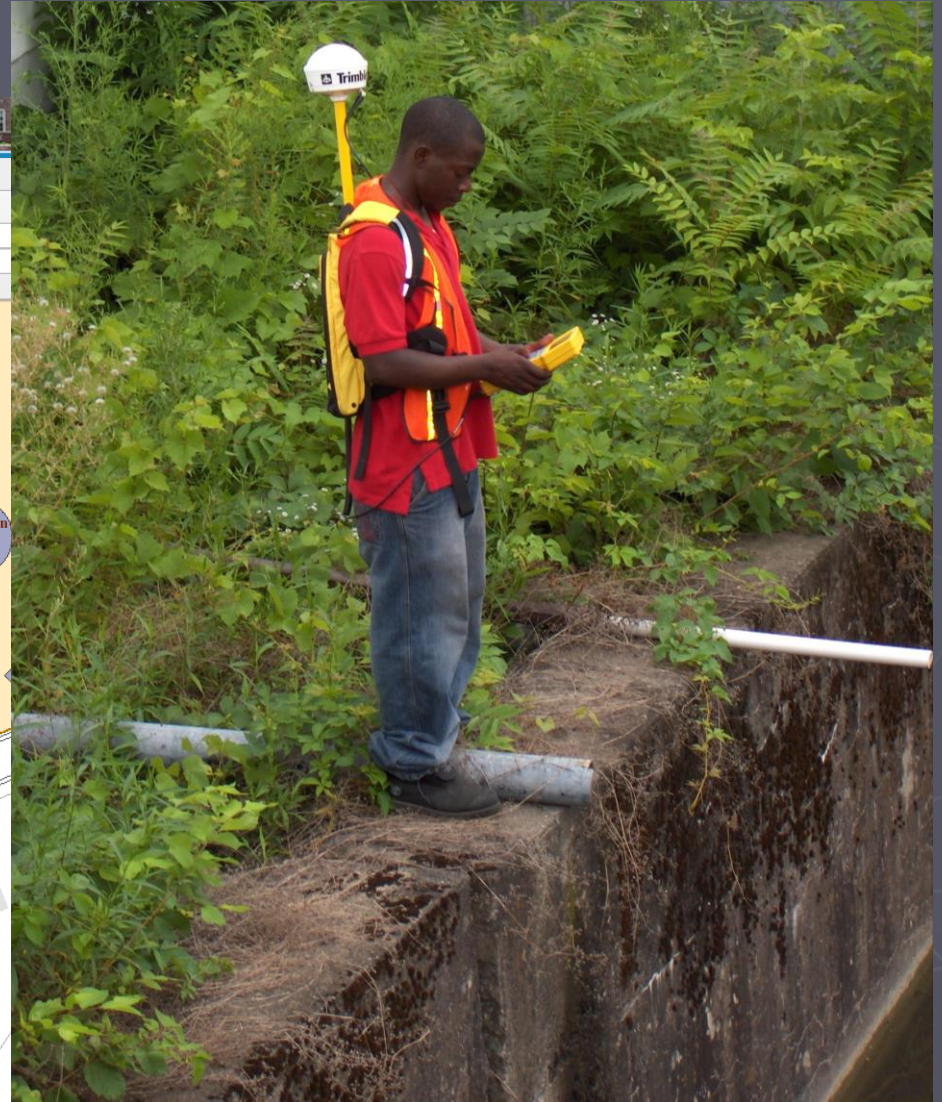
System in Bldg: Air Circulator Trane
DW0AEDG3E43
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5152.jpg

System in Bldg: Boiler H.B. Smith C4-G-30HBS17
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5135.jpg

System in Bldg: Fire Alarm Controls Honeywell
NF S2-3030D
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5158.jpg

System in Bldg: Air Circulator Graham
Corperation 505UT3086A
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5154.jpg

System in Bldg: Hot Water Heater A.O. Smith
A06M005902
http://geo.tompkins-co.org/cityimages/FacImages/IAWWTP/MechandUtils/IMG_5154.jpg



MUNICIPAL GIS - What We Offer

► GIS in the leaner economy

- More to offer than ever
- Efficiency through information access and tools with decreasing staffing levels - make up the gap
- Data driven decision making - fewer mistakes, better decisions
- Integrative technology

MUNICIPAL GIS - What We Offer

► GIS in the leaner economy

- GIS brings data together into one organizational scheme – location
- Complete operational picture – all assets are represented, the field is viewable at the command post
- Shared picture among operations staff and decision makers

MUNICIPAL GIS - What We Offer

► What we accomplish

GIS COSTS \$\$\$

AND provides operational ease, better service, informed decision making, cost savings, and revenue recoupment with/by

- Improved information accuracy and currency
- Increased analytical capabilities
- Completion of backlogged work and faster turnaround of new work
- Increased activities with fewer personnel
- Perform work faster, resulting in better decisions
- Enhanced responsiveness to constituents
- Improved responsiveness to regulators and legislators
- Enhanced storage/retrieval of historic information
- More thorough planning and analysis

MUNICIPAL GIS - What We Offer

► Summary

- Rich data
- Delivered and accessible
- Integrative technology
- Mapping
- Analysis
- Emergency response preparedness
- Subject experts

GIS day

