Welcome to the inaugural issue of the Town of Concord's GIS Newsletter!

Purpose: Inform Concord's GIS users about mapping tools and resources
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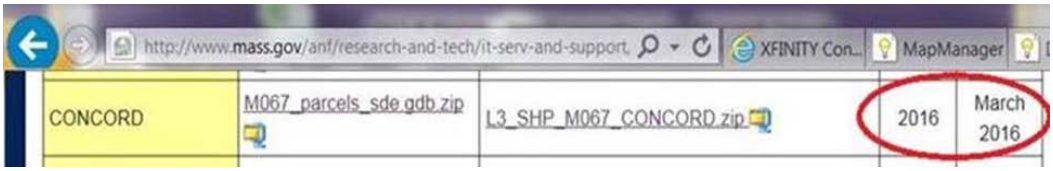
1. Parcel, Building and Address Updates

IT GIS has been working with the Assessors and Building Departments to streamline the process for updating **Parcels**, **Buildings** and **Addresses**. With the new process we will be able to capture changes as they occur.

Accomplishments to date:

- Caught up on several years' backlog of **Bulilding, Parcel** and **Address** updates.
- Achieved **Level 3 Parcel Certification** by MassGIS – first time since 2011!



- **Street Address** changes announced by the Building Department are now implemented in GIS in 1-2 business days, to accurately power the **Find by Address** function in MapsOnline.
- **As-Built Plans** received by the Building Department now flow directly to IT GIS for immediate **Building footprint** adjustments.

2. Spring 2016 Aerial Photography Flyover

An aerial photography flyover of Concord has been scheduled for this Spring. This will provide:

- **3"-resolution** leaf-off orthogonal (straight-down) imagery, enabling a complete update of Building footprints. These are "orthophotos", meaning they are mosaicked together and corrected for distortion and color to form a seamless, seemingly single "photograph" out of many smaller digital images.
- Oblique (bird's-eye view) imagery from North, South, East and West, providing **360° views** throughout the entire town.

Use the Bing Pictometry button to view obliques from past years on your WebGIS map.

The new fly-over images will take some weeks to process into usable form. We will be delighted to let you know when they are available!

3. GIS User Support

IT GIS provides direct support for both **WebGIS** and **ArcGIS** users. We also work with the software providers – **PeopleGIS** and **ESRI** – when additional help is needed. The products and services we have delivered over the past few months include:

Develop New GIS Data Layers

- IT GIS-Owned
  - Rights Of Way
  - Shaded Relief
  - Golf Course Features
  - Cultivated Fields
- For other Data Owners
  - Public Service Corporation Overlay (Planning)
  - Wetland and Riverfront buffers (Natural Resources)

Maintain and Update Existing Data Layers

- IT GIS-Owned
  - Master Address Table (street number adds / changes / deletes)
  - Street Centerlines (added new streets e.g. Black Birch Ln)
  - Private Conservation Trust Lands (added newly-acquired parcels)
- For other Data Owners
  - Town Conservation Lands (Natural Resources)
  - Parcels (Assessing)

Develop ArcGIS Maps on request

- Street Index Map (Town Clerk)
- Public Elementary School Districts (CPS)
- Tax and Market Area maps (Assessor)

Develop / Modify WebGIS Map Displays on request

- Specialized WebGIS map creation
- Add layers to existing WebGIS maps
- Modify symbology, label sizes etc. in existing WebGIS Layers

Provide Assistance in using and resolving problems with WebGIS and ArcGIS

We are available daily for whatever GIS support needs Concord Staff members may have.