

Getting Started with Concord's WebGIS

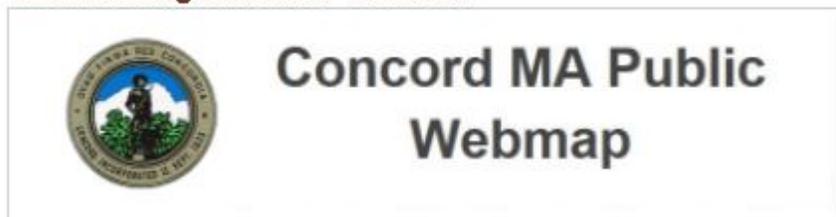
Opening Concord's MapsOnline

From the [Town's CivicPlus Website](#), select GIS & Maps:

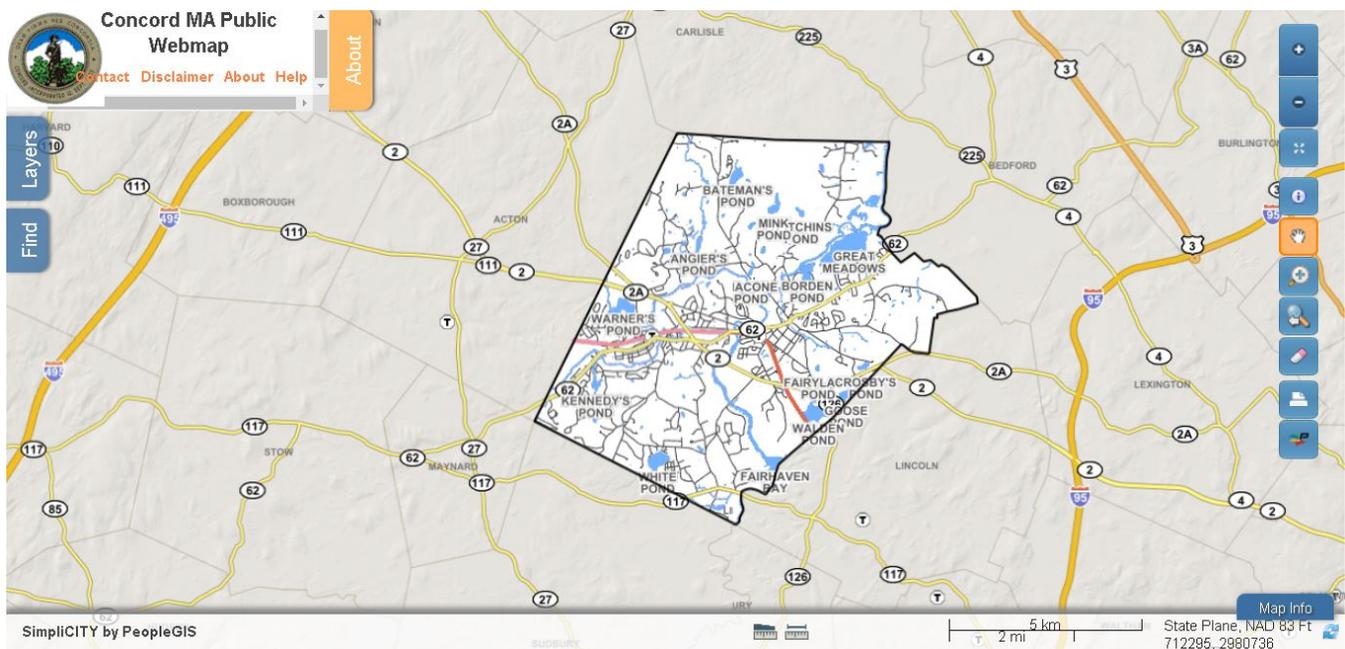


Near the top of the [GIS home page](#), click on the [image below](#) to connect

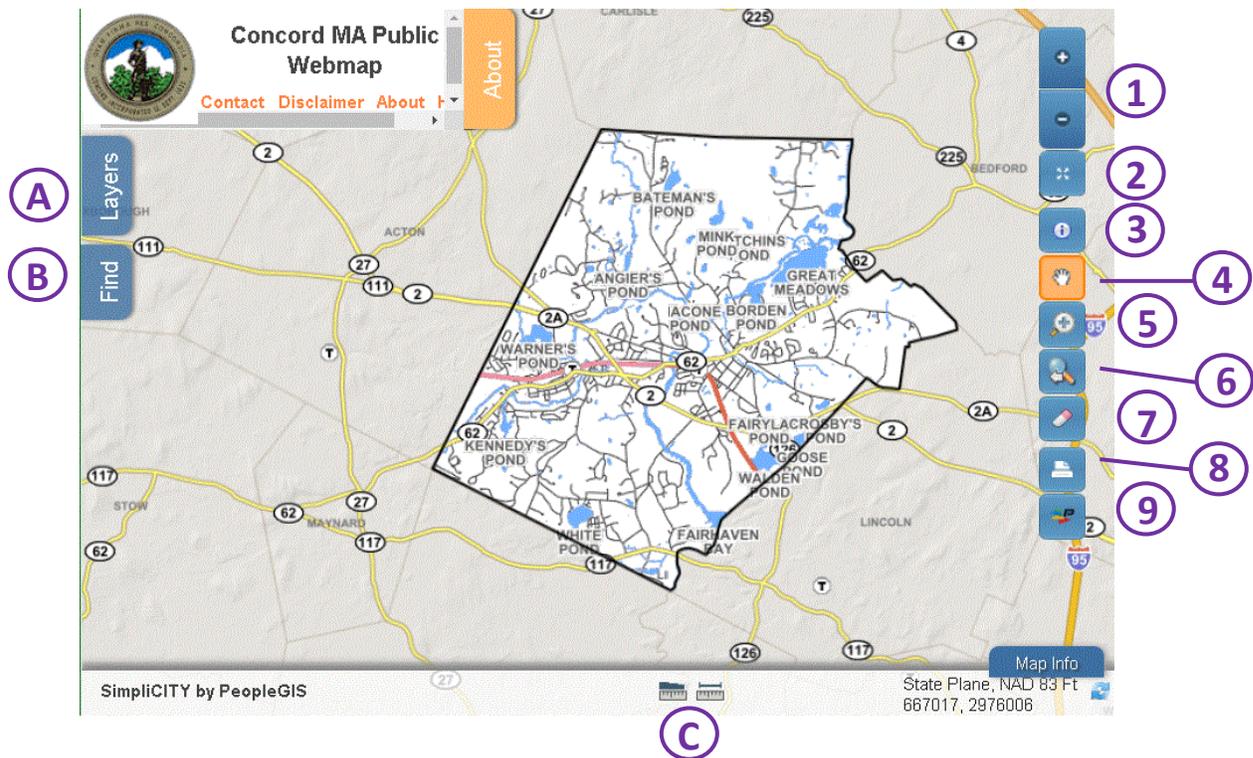
Click on image below to Connect



Concord's Public Webmap will open in a new browser tab:



General Navigation



- A. Layers: Map legend showing all the available data layers
- B. Find: Landmarks (Quick Zoom), Parcels/Addresses and Abutters
- C. Measure: Measure area and distance

1. Zoom In / Out
2. Zoom to Full extent – the whole town

3. Identify: Returns detailed attributes for the feature clicked on – requires **orange I** for Layer



4. Pan: Grab the map and move it in any direction – the **default tool** when you open a map
5. Zoom In to a specific area by drawing a box

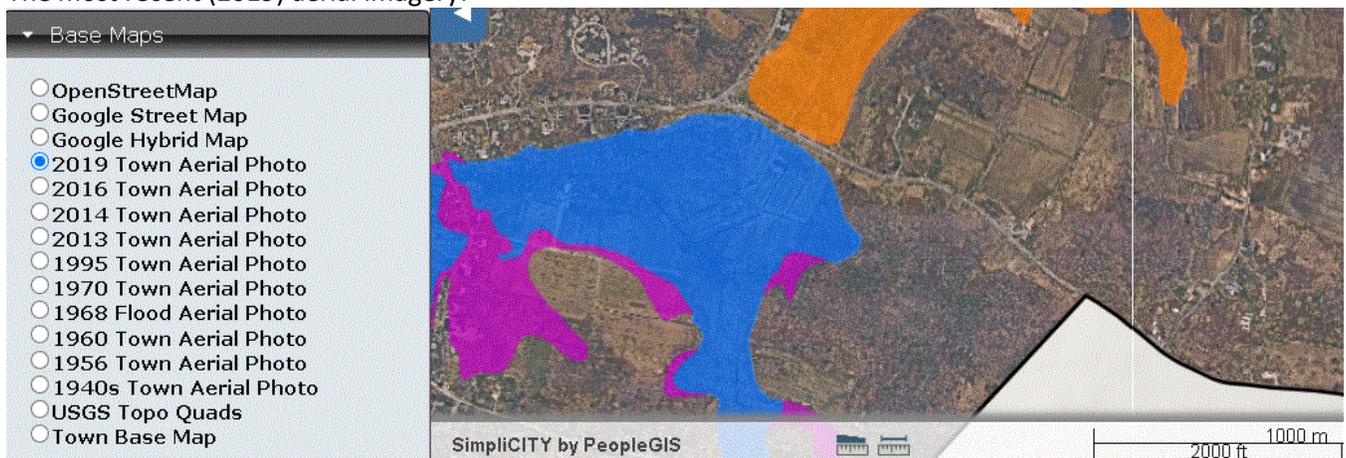
6. Zoom to Previous Extent
7. Clear (erase) highlighting of selected features
8. Print a map
9. Open Pictometry Viewer

Seeing Stuff: Base Maps and Layers (*the Layers tab, Item A on page 1*)

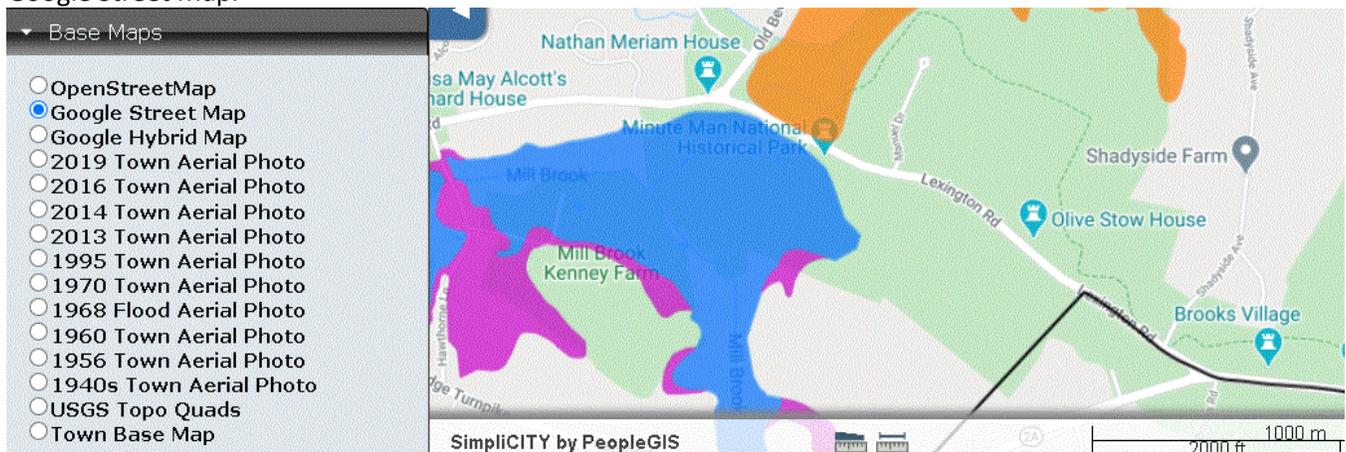
1. Base Maps

- Click on the **Layers** tab
- Expand the **Base Maps** group at bottom left by clicking the arrow to left of the group heading
- The Town Base Map below, at the bottom of the Base Map listing, is the default:

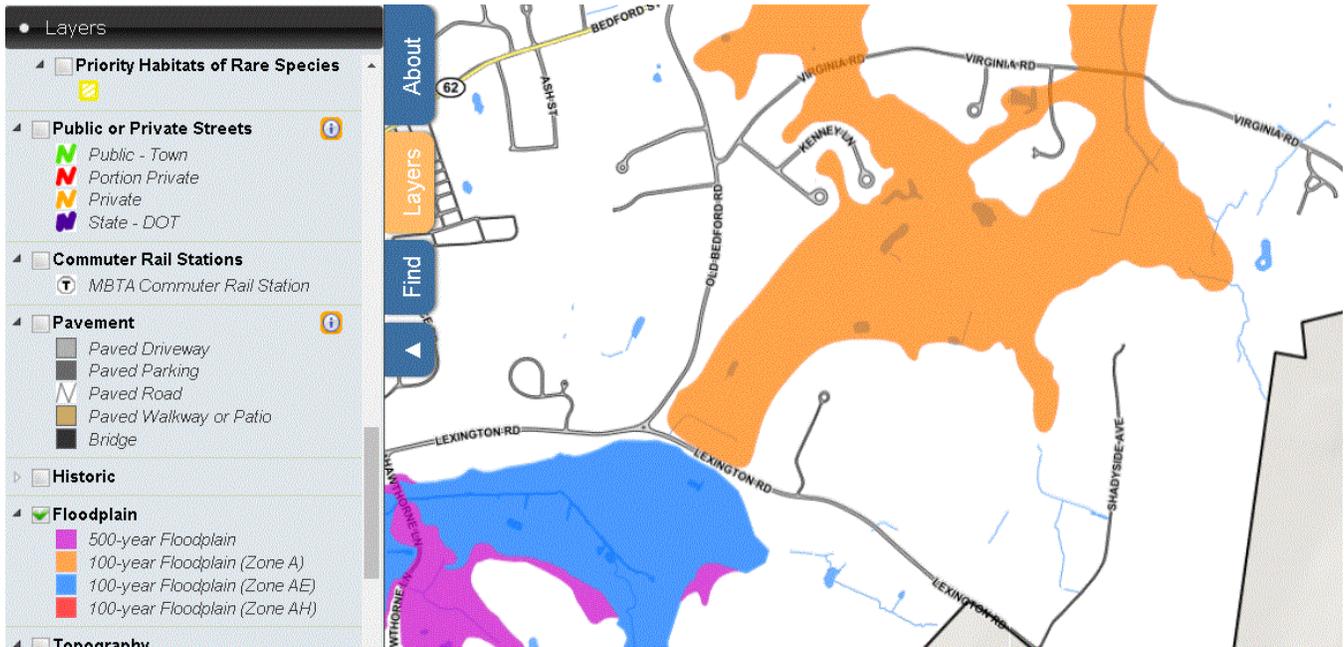
The most recent (2019) aerial imagery:



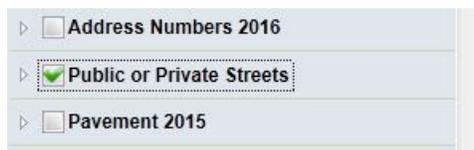
Google Street Map:



2. Layers



- Click the square **checkbox** to left of Layer name to turn a layer (or group of layers) on or off.



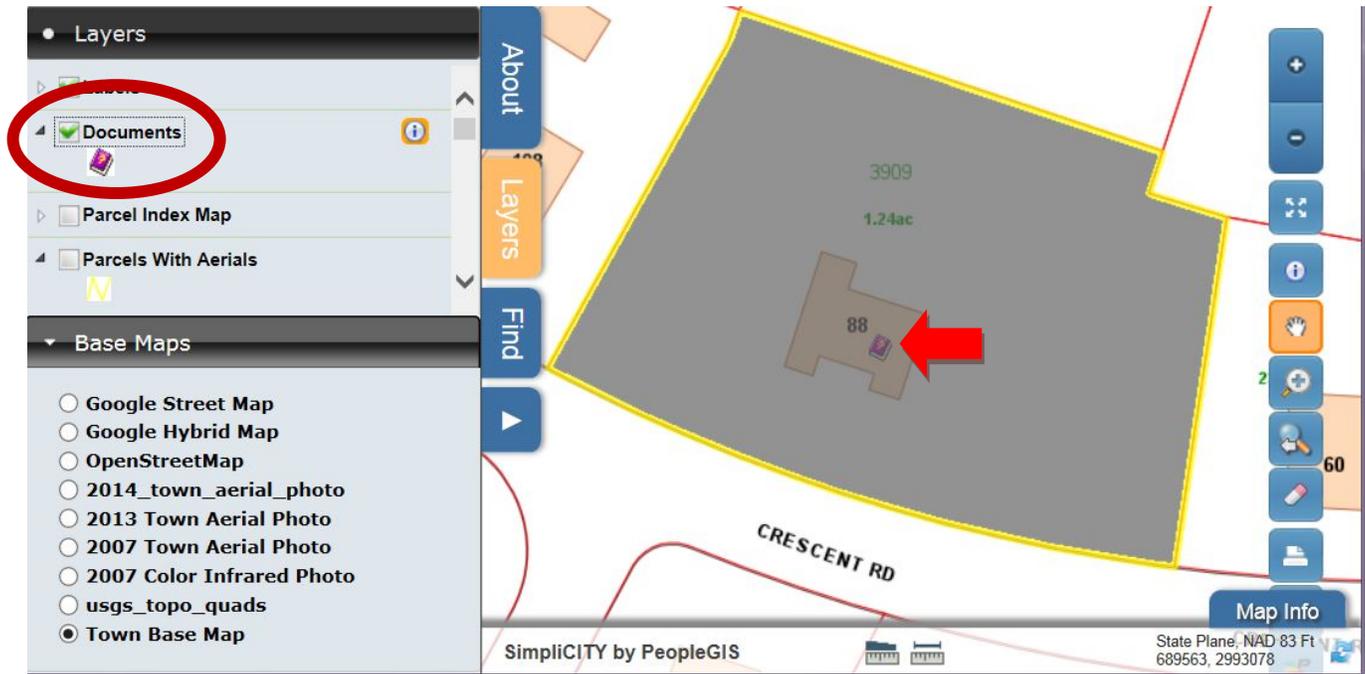
- Click the gray **triangle** at far left to view the layer's symbology (triangle turns black and tilts).



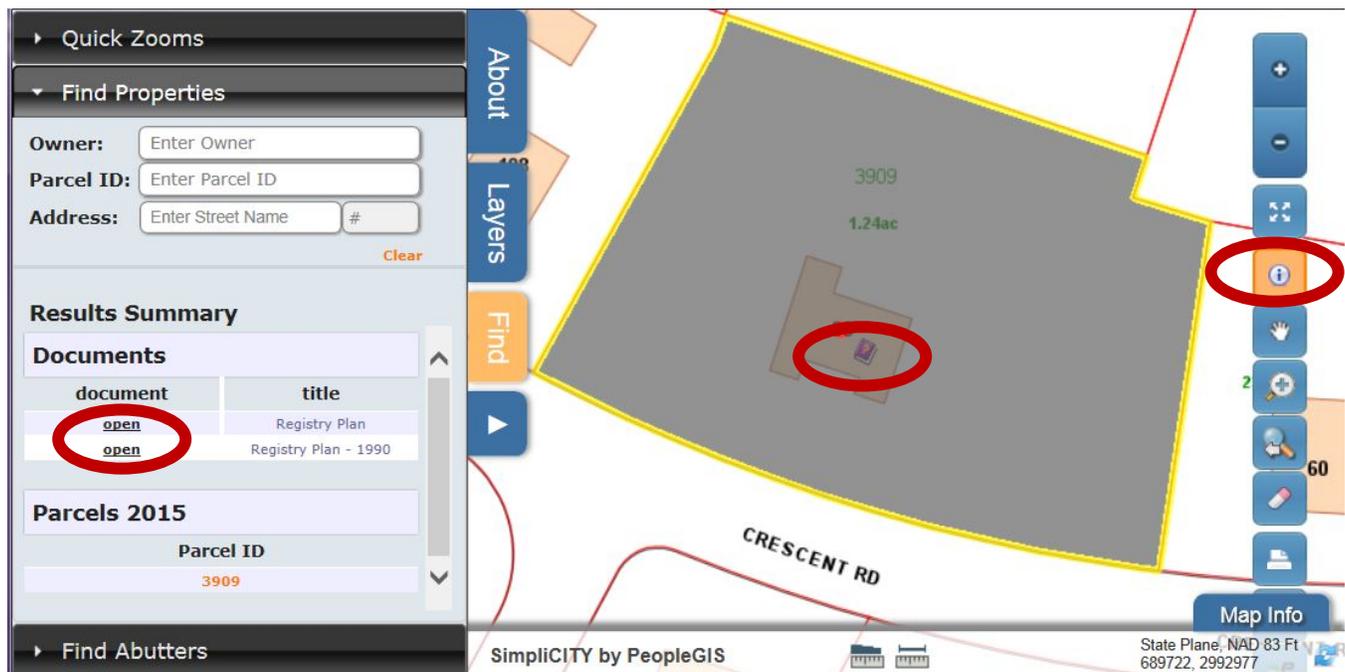
- Layer **Groups** may also be expanded by clicking on the triangle at far left; then individual layers within the group may be turned on or off as well.

Seeing Stuff: Documents

- Zoom in to a Parcel and turn on the Documents layer. If the parcel has on-line documents available, the Documents symbol will appear.



- Click on the Information tool to activate it (it turns orange), then on the Document symbol on the property. A list of available Documents appears in the Results summary. Click on **open** to view a document.



Finding Stuff *(the Find tab, Item B)*

1. Quick Zooms – *turn on the relevant layer first!!*
 - By Landmark from dropdown
 - By Curbside Collection Schedule from dropdown

2. Find Properties

Find: landmar Previous Next Options

Quick Zooms

Find Properties

Owner: LAWRIE
Parcel ID: 2935
Address: MAIN ST 1995
Clear

Results Summary

Parcels

| Parcel ID | Address | Owner |
|-----------|--------------|------------------|
| 2935 | 1995 MAIN ST | LAWRIE CYNTHIA P |

Detail Information Zoom To

Photo

| | |
|-----------|--------------|
| Parcel ID | 2935 |
| PID | 4474 |
| Vision ID | 4474 |
| Address | 1995 MAIN ST |

Find Abutters

SimpliCITY by PeopleGIS

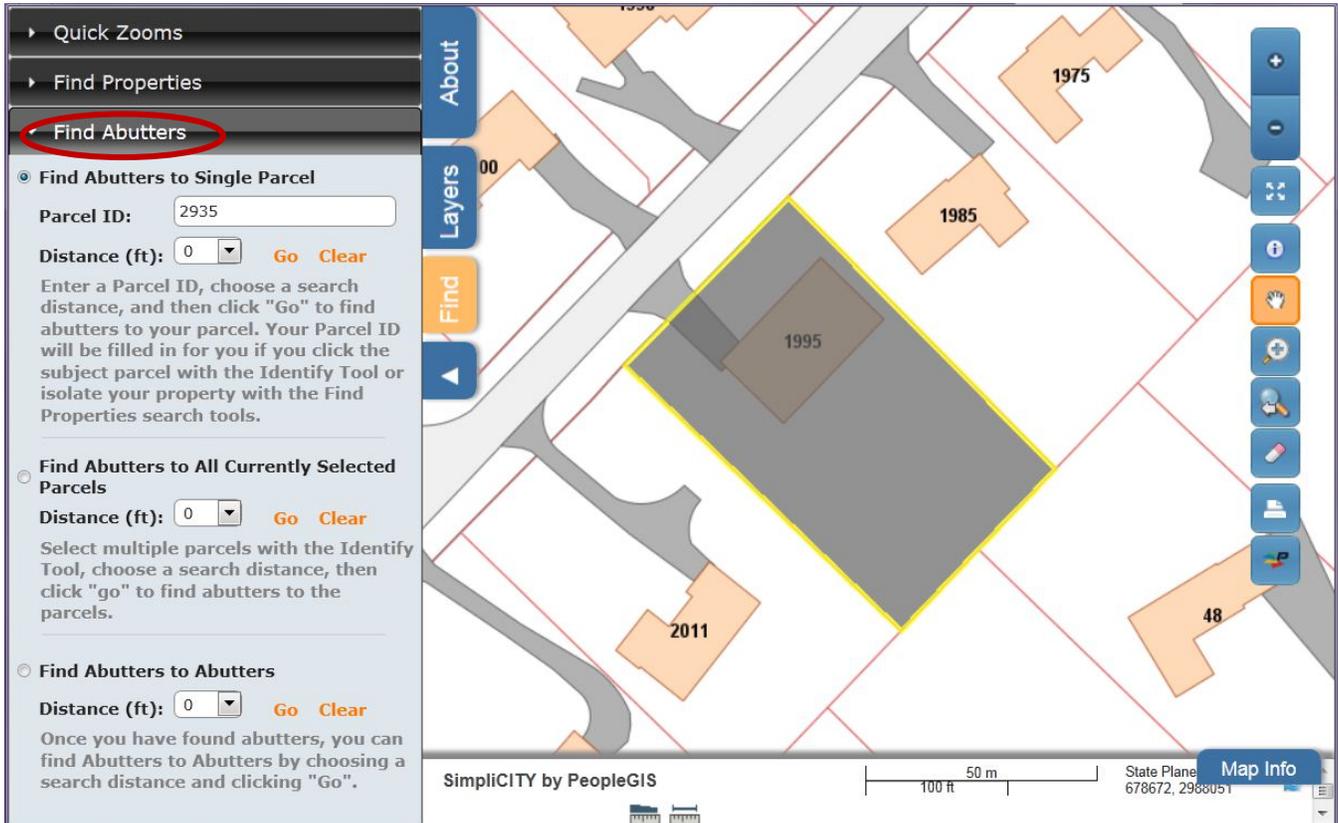
Map Info

- By Owner: Last name First name with no punctuation; click on **Parcel ID** in the Results Summary after typing first few characters and seeing the target name
- By Parcel ID
- By Address: Street Name first then Number; **pick from dropdowns** after typing first few characters

Important Note: If you switch from one type of **Find By** to another, be sure to **clear the previous search field(s)**, or you will be searching with multiple filters, which probably won't work well for you...

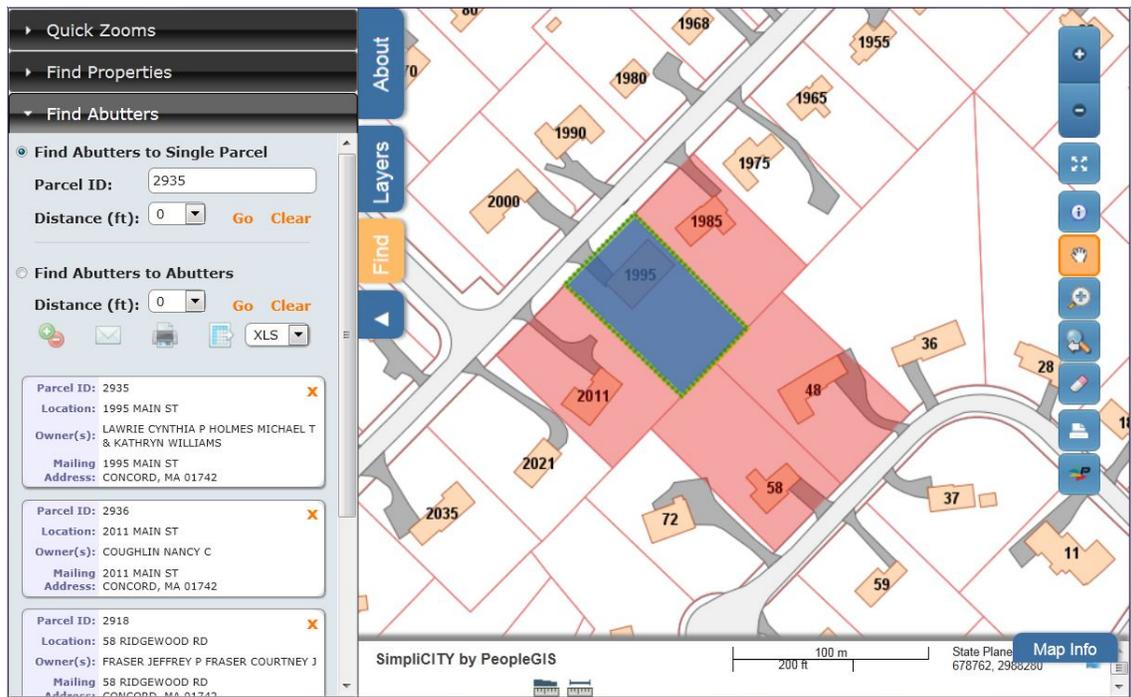
3. Find Abutters

- Use the **Find Properties** function to locate the parcel of interest, then click on the **Find Abutters** heading. The Parcel ID will already be populated. (You can also enter the Parcel ID directly.)

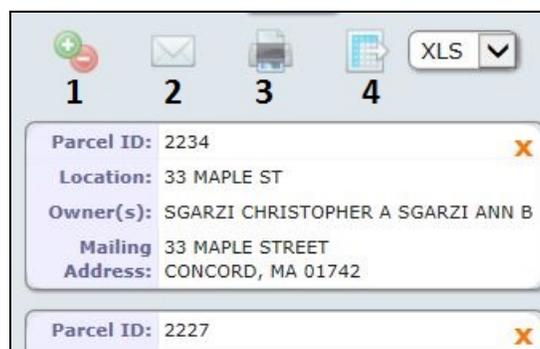


- Use the radio buttons on the left to select the type of **Find Abutters** search you want to perform. If you wish to find abutters based on a distance from the parcel of interest, enter it in the **Distance** box.
- Click **Go**.

- An abutters list will be generated, which includes the original parcel; abutting parcels are highlighted as well.



- Review the list of Abutters. If for some reason you wish to remove one, click on its red X.
- You can also **add** (or remove) abutters using the map by clicking on Button 1, as shown here:



Note: If you click **Button 1**, make note of the **yellow highlighting** that appears, meaning it's active. Be sure to click on it again (highlighting disappears) to de-activate it before going on with your task.

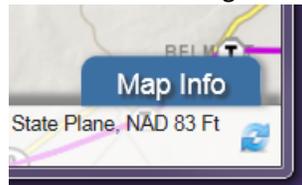
- Button 2 starts a dialogue for printing mailing labels
- Button 3 starts a dialogue for printing the full list of abutters
- Button 4 exports the abutters list to a spreadsheet in either XLS or CSV format

Measuring Stuff (Item C)



Two measuring tools are at the bottom center: **Area** Measuring and **Distance** Measuring.

If they are not visible, click on the Map Info tab in the lower right and they will appear.



Measuring a Distance in feet (above right)

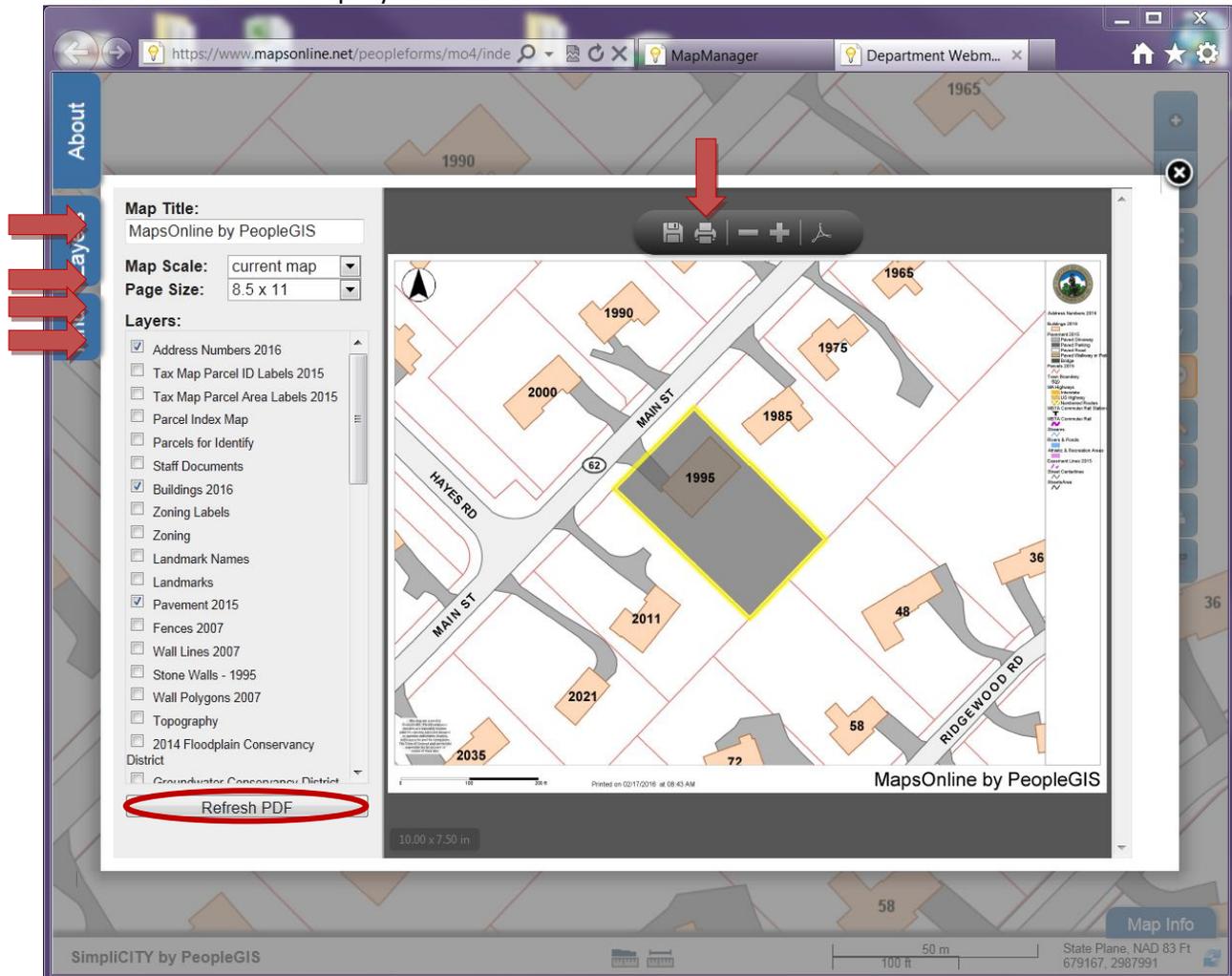
- Click on the **Distance** measuring tool – it will become **highlighted in yellow**.
- Click on the position of the first endpoint of the measuring line you want to draw
- Additional single-clicks create additional line segments; double-click to end the measured distance.
- The **Distance** measurement for the line you've drawn appears in **red** to the right of the measuring tool.
- When done measuring, click the **Distance** measuring tool again to turn it off; the yellow goes away.

Measuring an Area in square feet (above left)

- Click on the **Area** measuring tool – it will become **highlighted in yellow**.
- Click on the first corner point of the polygon you want to measure.
- Additional single-clicks create additional vertices; double-click to stop adding vertices.
- The **Area** measurement for your polygon appears in **red** to the left of the measuring tool.
- When done measuring, click the **Area** measuring tool again to turn it off; the yellow goes away.

Printing a Map

Click on the Print button on the right side of the main map page (key number 8 on page 2 of this document to see a **Print Preview** of the map layout in PDF format:



You can adjust the map in multiple ways:

- The tools on the left side of the preview window.
 - **Map Title**
 - **Map Scale:** Zoom the map display in or out
 - **Page Size:** Choose 8.5 x 11 or 11 x 17
 - **Layers:** Add/remove layers from the display by checking/unchecking from the Layers list at left
- The Adobe tools, accessed by clicking on the Adobe Logo (far-right tool in the top tool bar)
Important: Click the Refresh PDF button to view your changes!

For any other changes – re-centering the display, removing/changing highlighting etc. -- close the **Print Preview**, make the desired changes in the Webmap, then click **Print** again to return to the **Print Preview**.

When you are satisfied with the PDF, click the **Print** button at top center to access the usual printer dialogue. You can also save the map to a PDF with the button just to the left of **Print**.

Seeing Really Cool Stuff: Pictometry

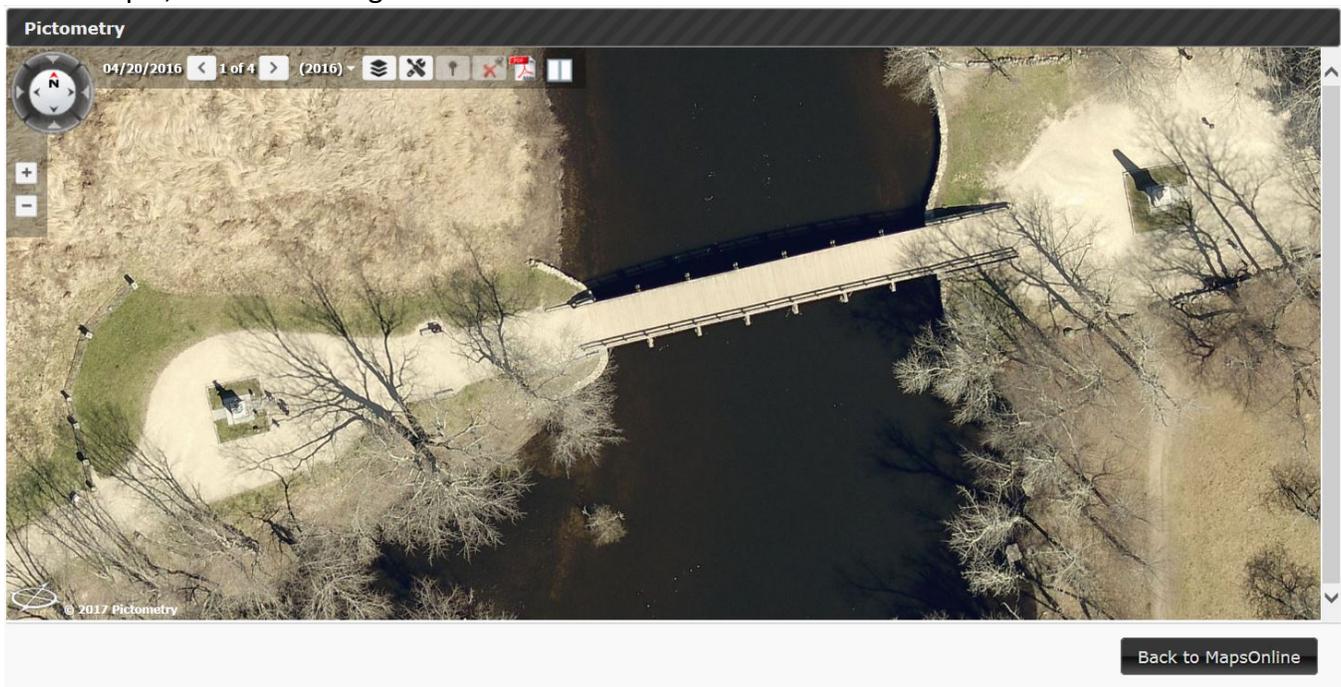


The last button on the right side of the standard map display opens a window with a variety of years of aerial images of the area, including oblique aerial views for the most recent year, 2016.

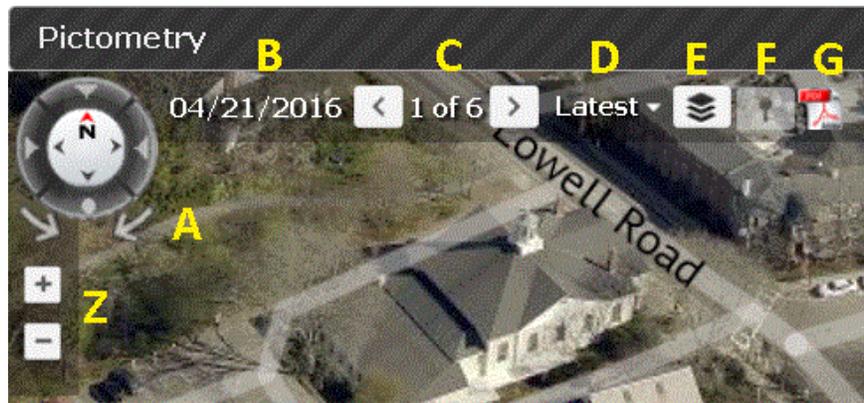
Standard Base Map display



For example, Old North Bridge – shown



This window provides the following tools:



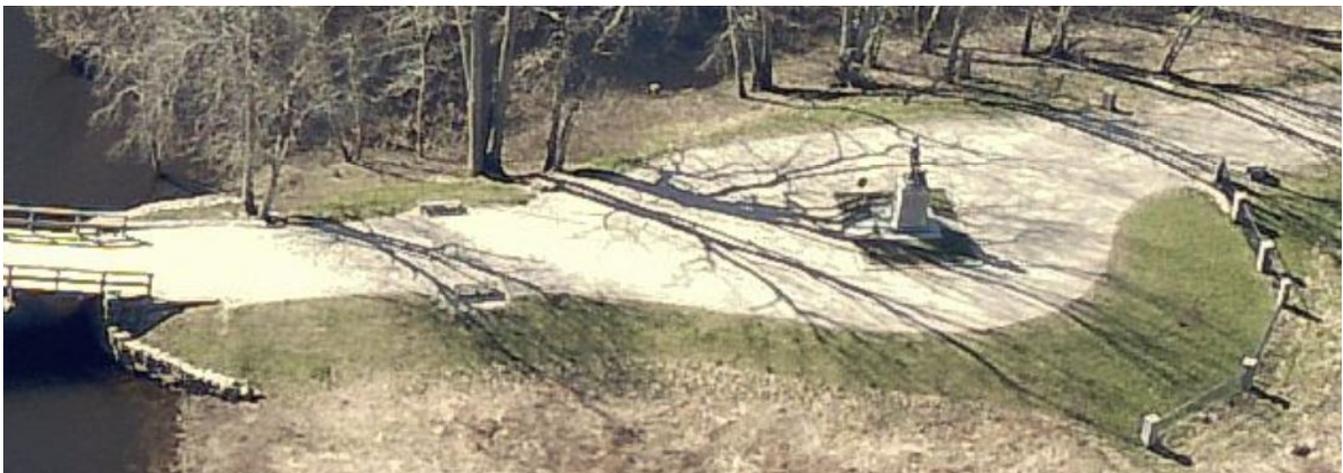
A: Change direction of view

- > Oblique / angled from North, South, East, West using the arrows
- or
- > From directly overhead (the dot at the bottom)

From the East

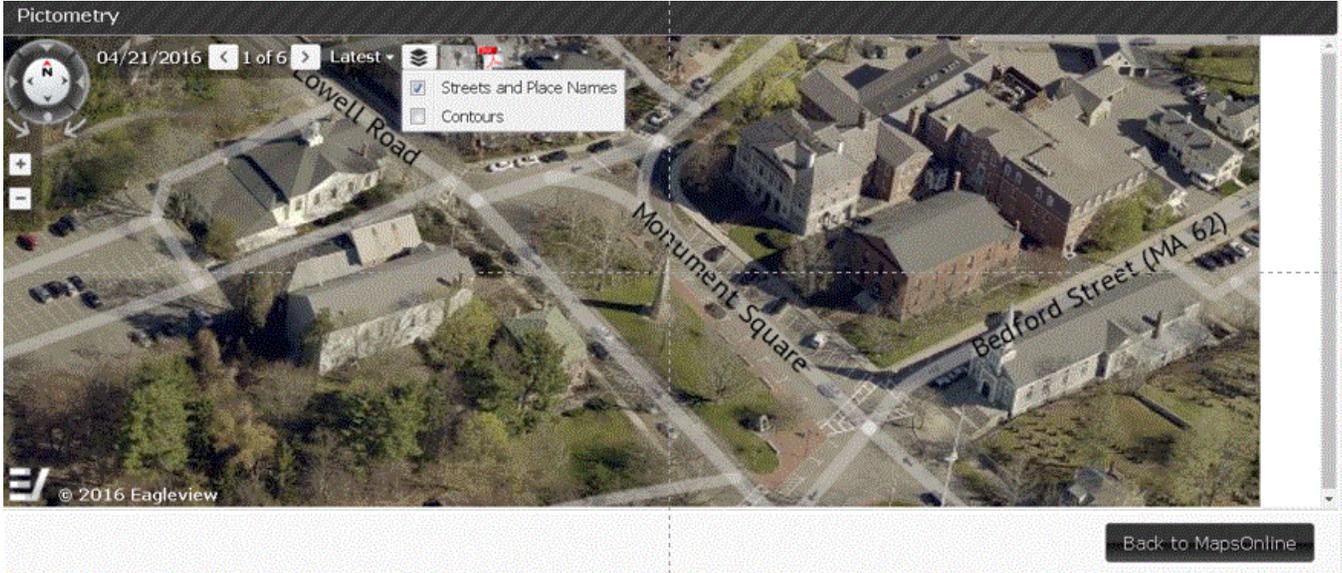


From the South



- B: Shows date of image; if only one frame is available, this becomes the **Button D** dropdown
- C: Indicates that multiple frames are available; arrows move the view from frame to frame
- D: Dropdown for selecting an imagery year; each year also indicates the number of frames (as in C)

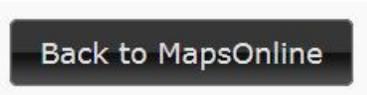
E: Add layers, e.g. Streets:



F: Hide Annotation – if I knew how to ADD annotation, this button would hide it...!

G. Export to PDF

Z: The usual Zoom in and out buttons, though they will only zoom out so far.



And at bottom right, the exit door: