

Sarasota County staff developed a public-facing web application that integrates enterprise GIS asset data with real-time Cartegraph work management information to provide location-based visibility into stormwater maintenance activities. Users can enter an address to view planned, scheduled, in-progress, and recently completed work associated with nearby stormwater infrastructure assets. The application enhances transparency, operational accountability, and customer service by providing direct public access to authoritative maintenance data, reducing call volume, and improving communication regarding system performance and level of service.

Sarasota County, including coordination with the City of Sarasota, serves a combined population of approximately 470,000 residents, with significant seasonal population increases due to tourism and part-time residents. The Stormwater Maintenance GIS Map is designed for residents of Sarasota County and the City of Sarasota, as well as homeowners' associations, businesses, developers, engineers, and other stakeholders seeking clear, timely, and location-specific information about stormwater maintenance activities in their communities.

The Stormwater Maintenance GIS Map is a one-of-a-kind, internally developed tool created through close collaboration between the Sarasota County Stormwater Department and the Enterprise Information Technology (EIT) Department. Stormwater Department staff—including engineers, environmental specialists, and maintenance program managers—provided subject matter expertise, asset data, and maintenance schedules. EIT GIS analysts and application developers designed, built, and deployed the interactive web-based mapping application. The project reflects the County's ability to leverage in-house technical talent to deliver innovative, reliable, and user-focused solutions.

Funding for the Stormwater Maintenance GIS Map was provided through the Sarasota County Stormwater Utility rate, a non-ad valorem assessment paid by property owners. Development utilized existing GIS software, data platforms, and internal staff resources, allowing the County to deliver a high-value public service tool without significant additional cost. Ongoing maintenance and updates are supported through routine Stormwater Utility and EIT operational budgets, ensuring long-term sustainability.

The primary goal of the Stormwater Maintenance GIS Map is transparency and proactive customer service. The map empowers residents with direct access to accurate, near real-time information about both planned and completed stormwater maintenance activities within their neighborhoods.

Through an intuitive, user-friendly interface, users can toggle between planned and completed maintenance, search any address within Sarasota County, zoom for detailed or countywide views, and reset the map easily. Customizable data layers allow users to view

specific stormwater structures and assets, creating a tailored experience that enhances understanding of the County's stormwater infrastructure and maintenance efforts.

By placing stormwater maintenance information directly into the hands of the public, the Stormwater Maintenance GIS Map strengthens trust, improves communication, and sets a new standard for public engagement. The project directly fulfills the Florida Stormwater Association's purpose by demonstrating local government leadership, innovation, and professional initiative in advancing water quality protection, flood mitigation, resilience, and sustainable stormwater management for the benefit of Sarasota County residents and the environment. Statewide, this initiative stands out as a rare example of a fully in-house, public-facing stormwater maintenance platform that delivers real-time transparency, intuitive usability, and meaningful public engagement without reliance on third-party vendors or costly custom solutions.

Supporting Information

The Stormwater Maintenance Map is a one-of-a-kind, internally developed tool that exemplifies the County's commitment to transparency, innovation, and proactive customer service. Created by County staff, the map empowers residents with direct access to real-time information about both completed and planned stormwater maintenance activities within their neighborhoods.

Through an intuitive and user-friendly interface, residents can easily toggle between "Planned Maintenance" and "Completed Maintenance" to view relevant data displayed directly on the map. Users may search any address within Sarasota County, zoom in and out for detailed or broader views, and quickly reset the map to a countywide perspective.

A key feature of the map is its customizable layer functionality, which enables users to select and view specific stormwater structures and assets based on their interests or needs. Layers can be easily turned on or off, providing a tailored experience that enhances understanding of the County's stormwater infrastructure and maintenance efforts.

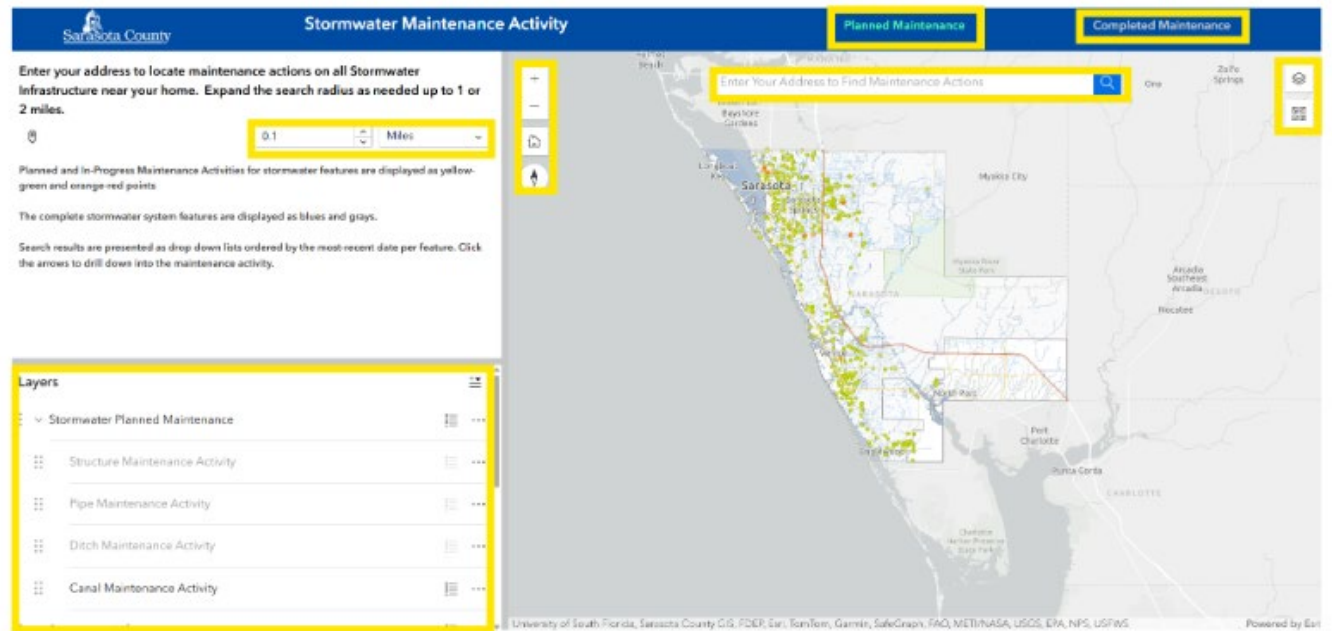
By placing accurate, stormwater maintenance information directly into the hands of the public, the Stormwater Maintenance Map strengthens trust, improves communication, and demonstrates the County's dedication to leveraging technology to better serve its residents. This innovative tool not only enhances operational transparency but also sets a new standard for public engagement in stormwater management.

The Stormwater Maintenance Map directly fulfills the FSA purpose by enabling local government leadership and professional initiative in advancing Florida's water resources and environmental programs, including water quality, stormwater flooding mitigation, resilience, and sustainable stormwater management practices. Through this innovative platform, the County demonstrates forward-thinking leadership that supports informed decision-making, effective financing, and meaningful public engagement in stormwater management.

The images below illustrate how to navigate and utilize the Stormwater Maintenance Map, highlighting its key features and functionality.

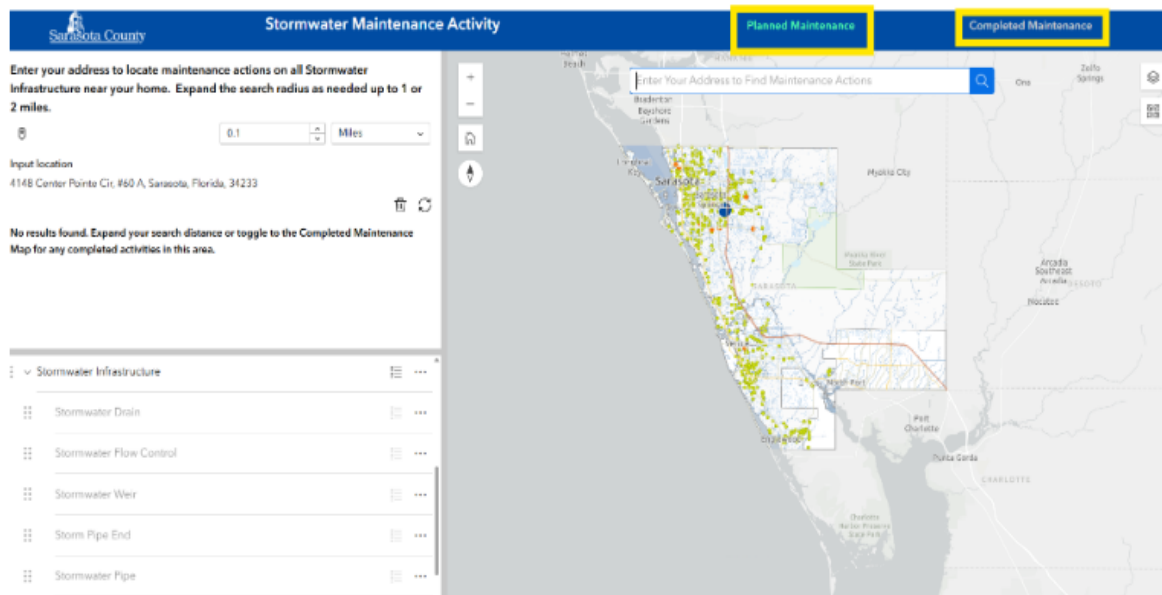
What are the key features on this map?

The Stormwater Maintenance GIS map has many features. The key features are highlighted below.



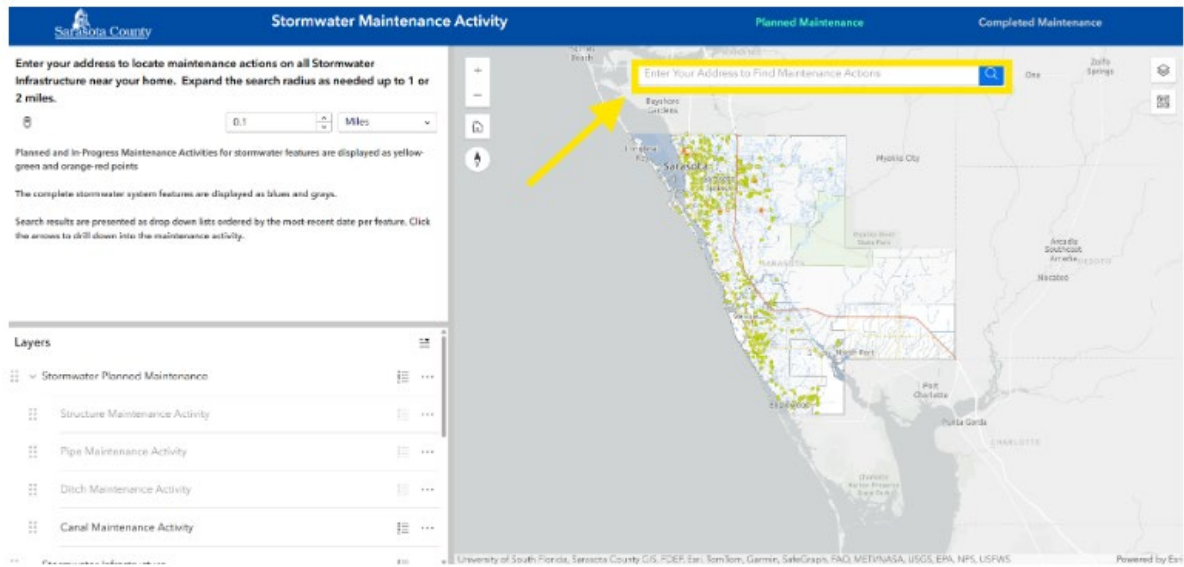
How can I see planned maintenance or completed maintenance?

On the top right of the map, select either 'Planned Maintenance' or 'Completed Maintenance' and the map will populate the necessary data. When you select a map, the text will be green as shown below.



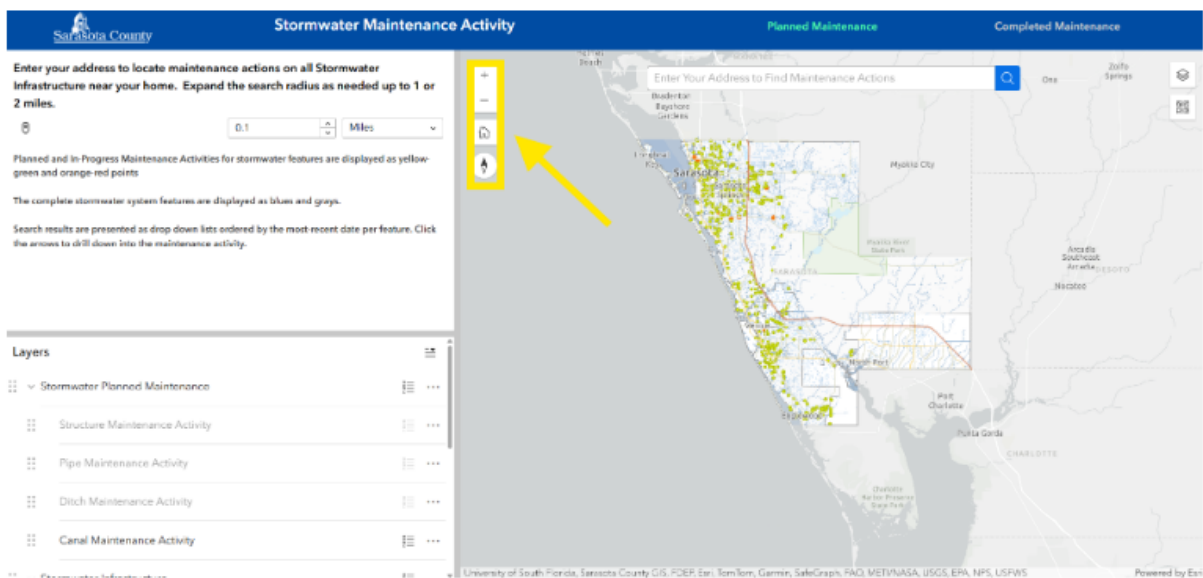
How do I search for my address?

To search an address on the map, click the 'Search Address' bar and type in an address located within Sarasota County.



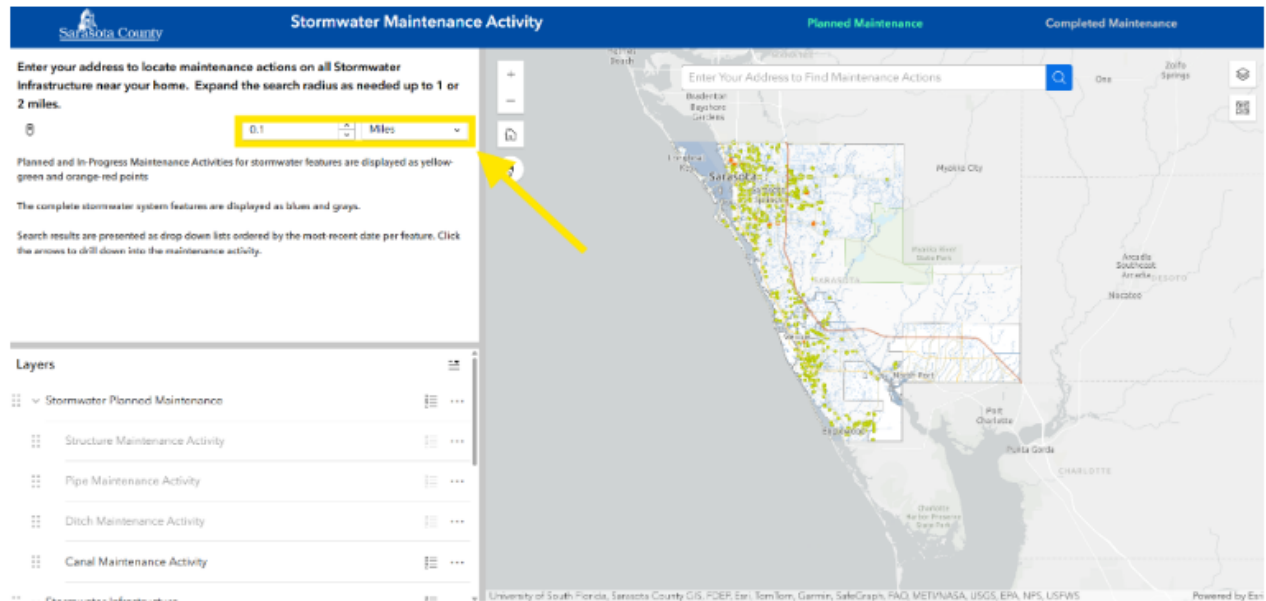
How do I zoom in to see more detail on the map?

To zoom in or out on the map, click the highlighted + or - buttons. The home icon button will allow you to zoom out of your search and see the entire map.



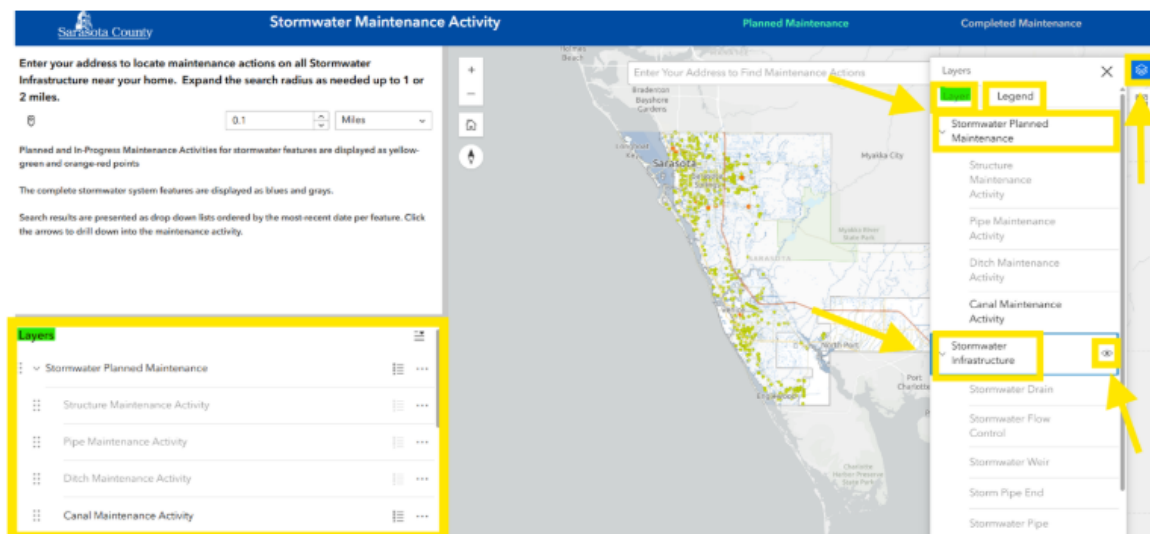
How do I see more activities or stormwater structures near my address?

To see additional information near the address you searched, expand the radius of your search using the highlighted section below.



How do I remove certain structures I don't want to see or view certain stormwater structures in the area?

To change your view of what stormwater structures/assets you see, you'll need to adjust which "Layers" are viewable on the map. You can do this by clicking on the top right of the map for the layers to dropdown or you can use the bottom left of the map showing the various layers. When you hover over the layer you'd like to see or hide, click the eye icon to either view or turn off. If you turn off the layer, the eye icon will show a line through it.



Can I change the map to show other features?

Yes, you can select a different 'Basemap' map that will show different versions of Sarasota County maps. This will not affect the stormwater maintenance activities or structures shown.

