

Services & Facilities Transportation Deep Dive

Plainville Master Plan

July 19, 2023



01. Agenda and Timeline

Agenda

1. Timeline
2. Community Feedback
3. Existing Conditions
4. Draft Goals and Strategies



01. Agenda and Timeline

Timeline

2022

2023

2024

Kick-off

- Data Gathering
- Mapping and Analysis
- Literature Review

Discovery

- Discovery OpenHouse
- Community Survey
- Master Plan
Committee established
- Develop shared vision, priorities, and goals

We're Here!

Feedback

- Meet people where they are. Revisit vision, priorities, and goals.
- “Travelling” Workshop Series

▪ **3 Topic-based follow-up discussions**

Review

- Draft Plan for public review
- Gather final thoughts
- Final Planning Board adoption of Plan

02. Community Feedback Update

Survey: Big Picture

670 Responses since October 2022

“More vibrant Town Center”

“Need more affordable housing, including for seniors”

“Protect Water Resources”

“Preserve Open Space”

02. Community Feedback Update

Land Use, Housing, Economic Development Deep Dive Recap

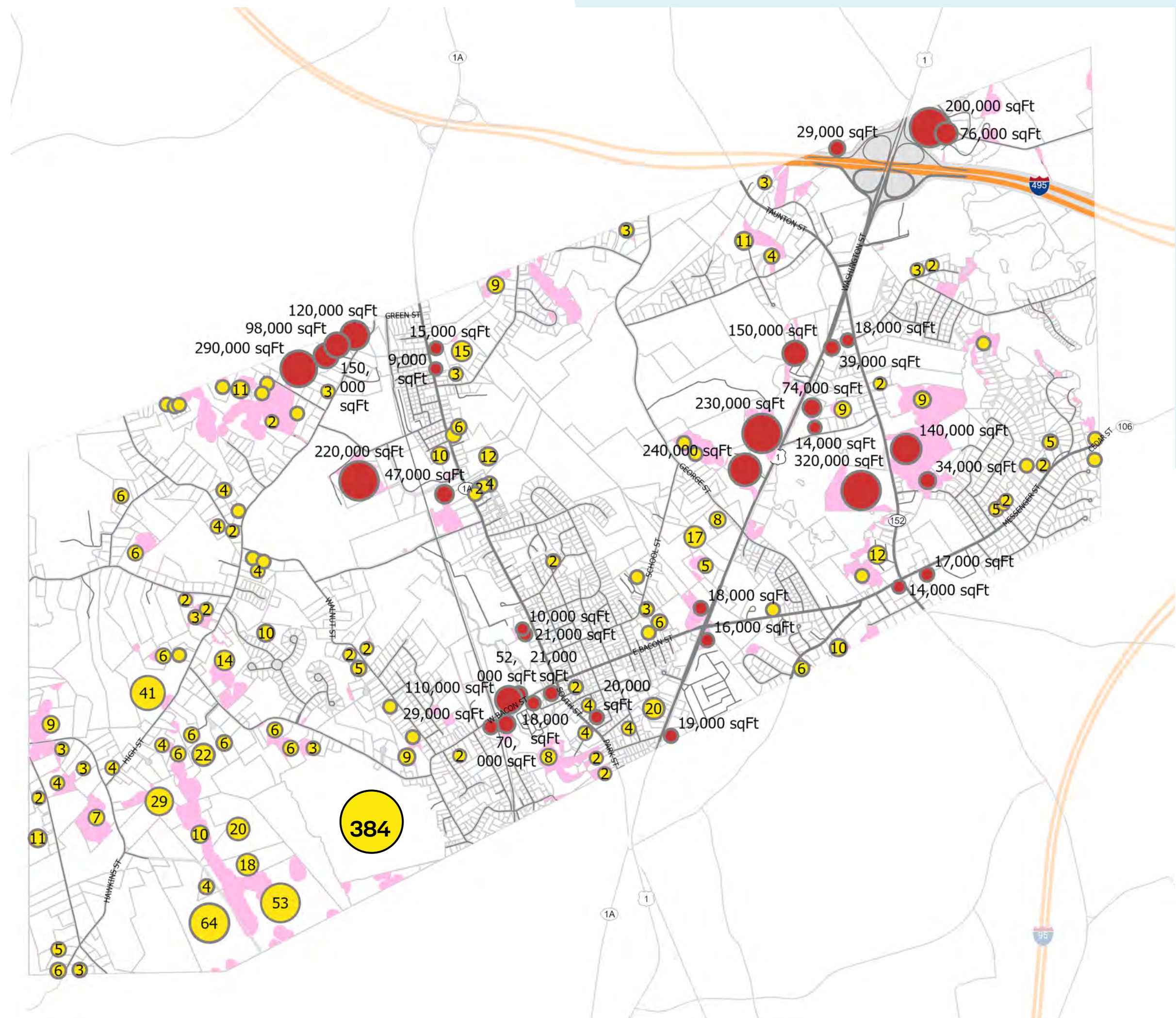
- Refined Zoning Capacity Model based on local knowledge.
- Openness to “missing middle” housing strategies, such as cottage clusters.
- More housing is needed. But where and what kind of housing makes sense?



02. Community Feedback Update

Updated Model

- Took out un-developable commercial/industrial
- Accounted for Heather Hills
- +1,116 units (384 units from Heather Hills)
- +2.9M s.f. Commercial/Industrial



02. Community Feedback Update

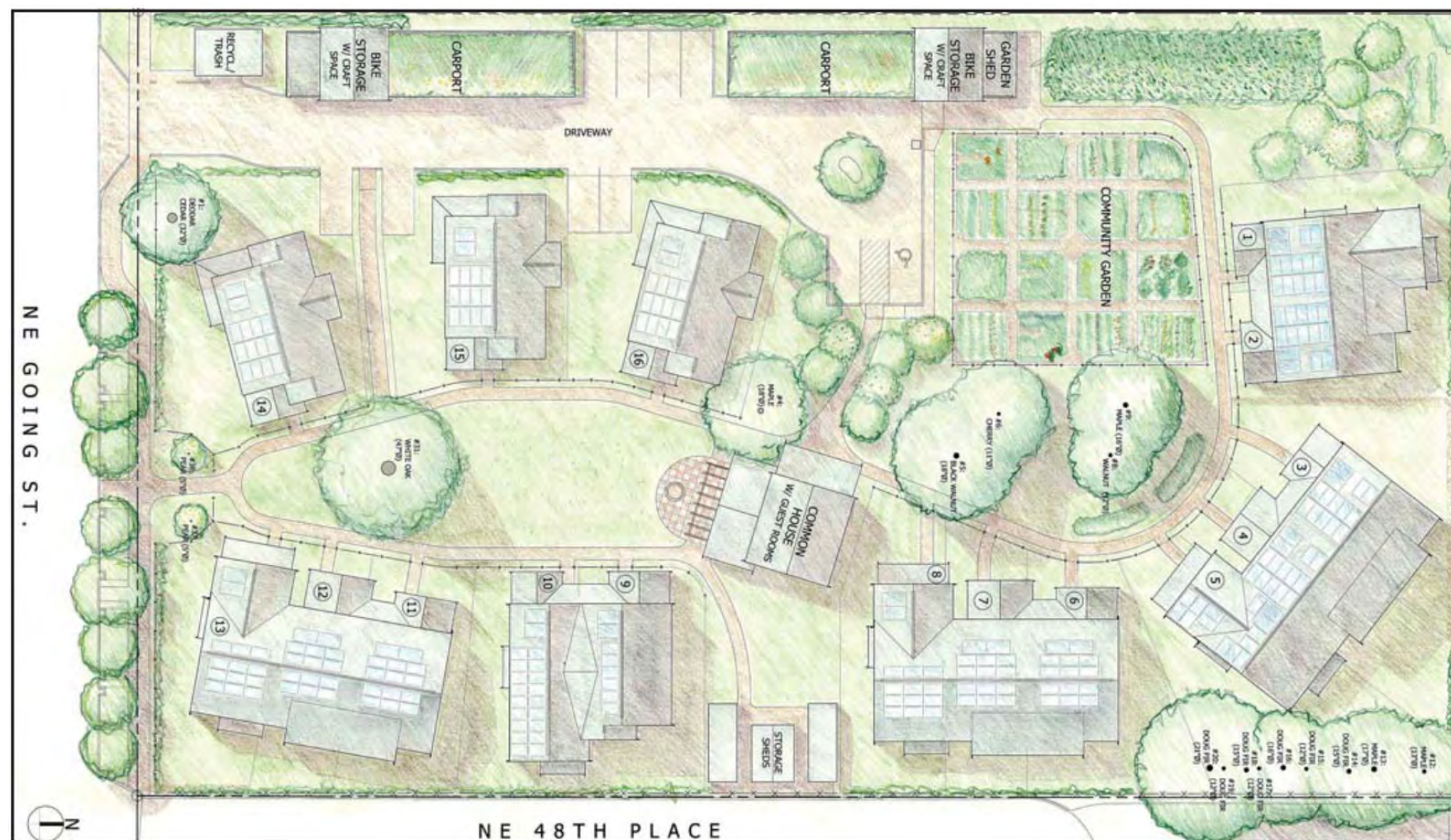
Cottage Clusters

- Smaller units (800 s.f. - 1,500 s.f.)
- Communal open space (e.g., community garden)
- Great for downsizing seniors and small families
- Style is compatible with neighborhood character



02. Community Feedback Update

Cottage Clusters



6 units on two conventional lots
Six 1,000 unit cottages is slightly more square footage than
two 2,500 s.f. suburban homes



<https://medium.com/@pdx4all/cottage-clusters-portlands-chance-to-build-community-in-a-new-way-7c504c5b260b>

<https://www.m-group.us/m-lab/blog/2017/3/7/cottage-housing-developments>

02. Community Feedback Update

Survey: Services & Facilities

670 Responses since October 2022

“Keep facilities well-maintained”

Most participants thought town facilities were well-maintained.

“Water & Sewer improvements must keep up with growth.”

The biggest concern about new development was its impact on water resources and open spaces.

02. Community Feedback Update

Survey: Transportation

670 Responses since October 2022

“Better sidewalks”

Many participants want to be able to walk and bike to parks, trails, and the Town Center.

“Improve intersection safety”

Many participants were concerned about traffic at intersections, particularly at big intersections such as Rt. 152/ Rt. 106 and Rt. 1/Rt. 152.

02. Community Feedback Update

The Big Question

Last time, we talked about what kind of growth and development would fit in Plainville

Today, we will talk about what infrastructure improvements are needed to support any new growth.

03. Existing Conditions

Water & Sewer

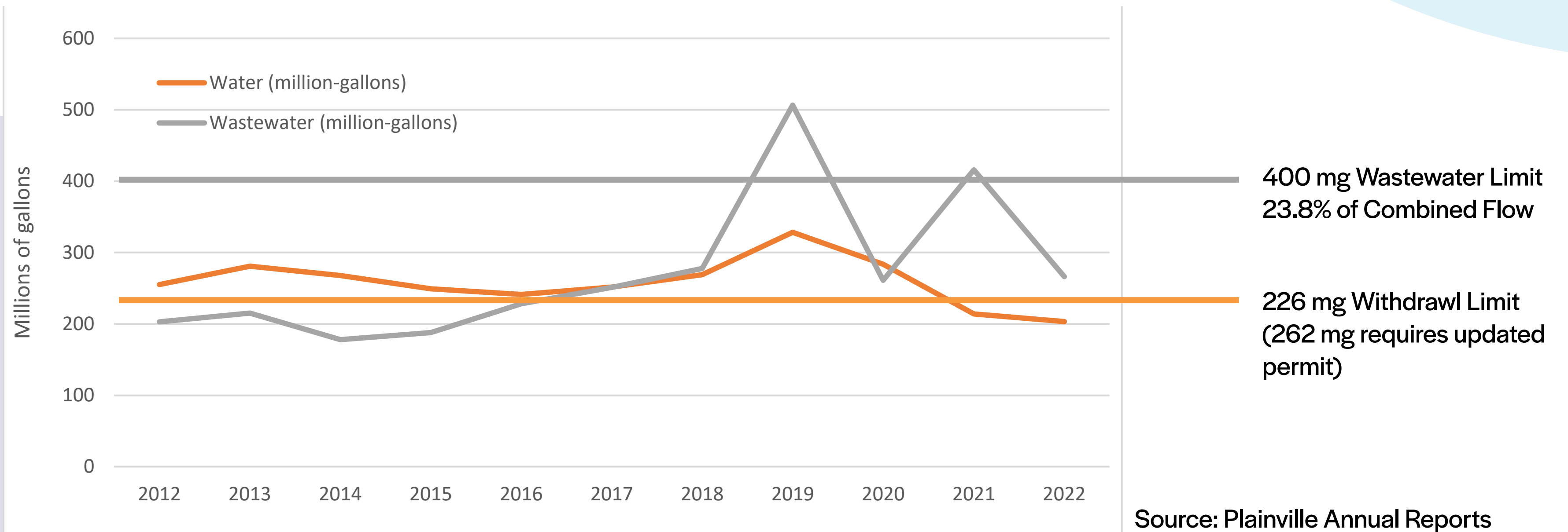
We all need water to live - and once we use our water, we need to dispose of it properly.

Plainville has invested a lot in improving the availability and quality of town-provided water. The Town is actively improving the efficiency of its wastewater network.



03. Existing Conditions

Water and Sewer Usage (2012-2022)



03. Existing Conditions

Municipal Water

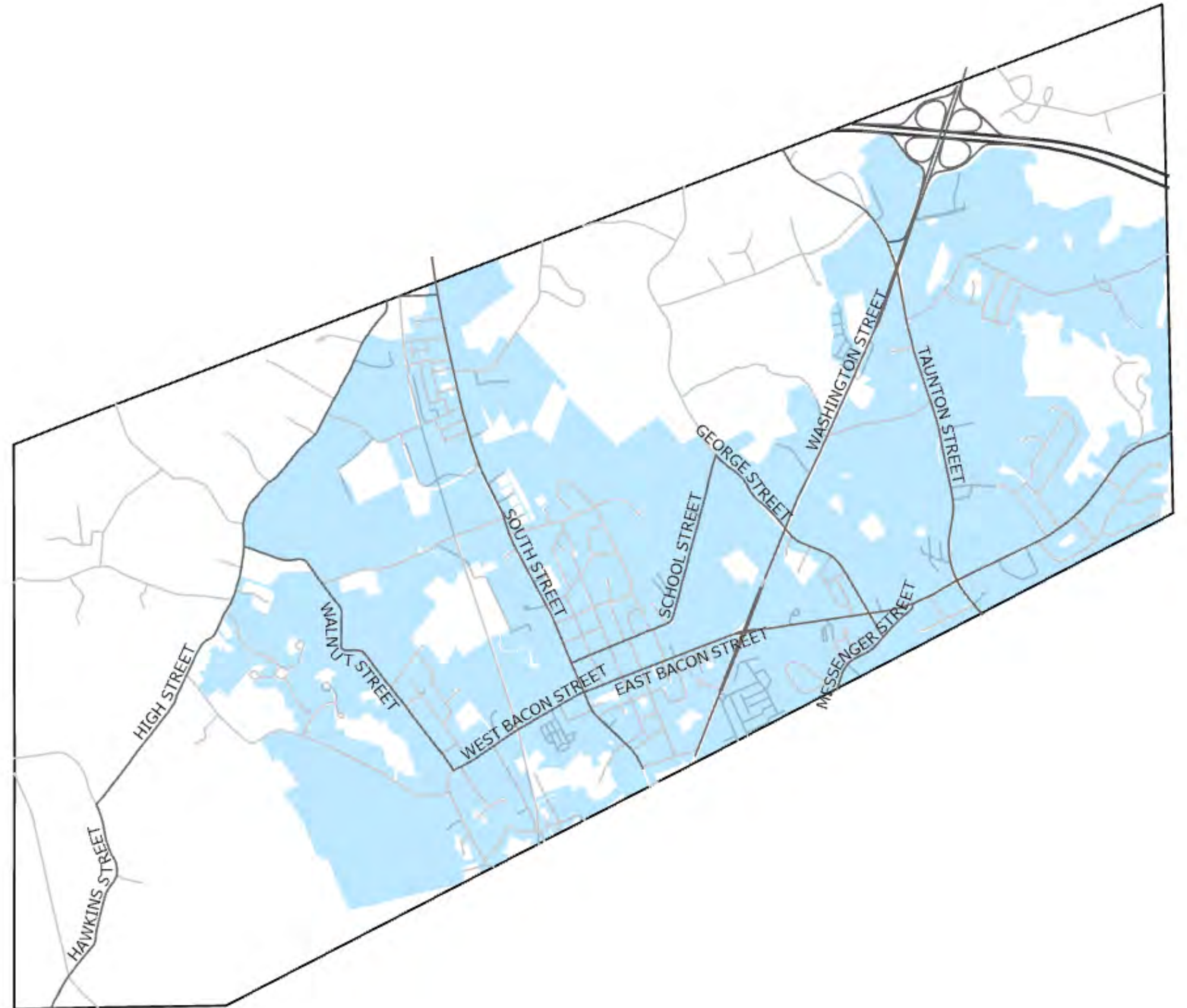
For illustrative purposes.

Created by using a 100-ft buffer around network.

May contain errors.

Two sources: the Turnpike Lake Water Treatment Plant, and the Highway Wells.

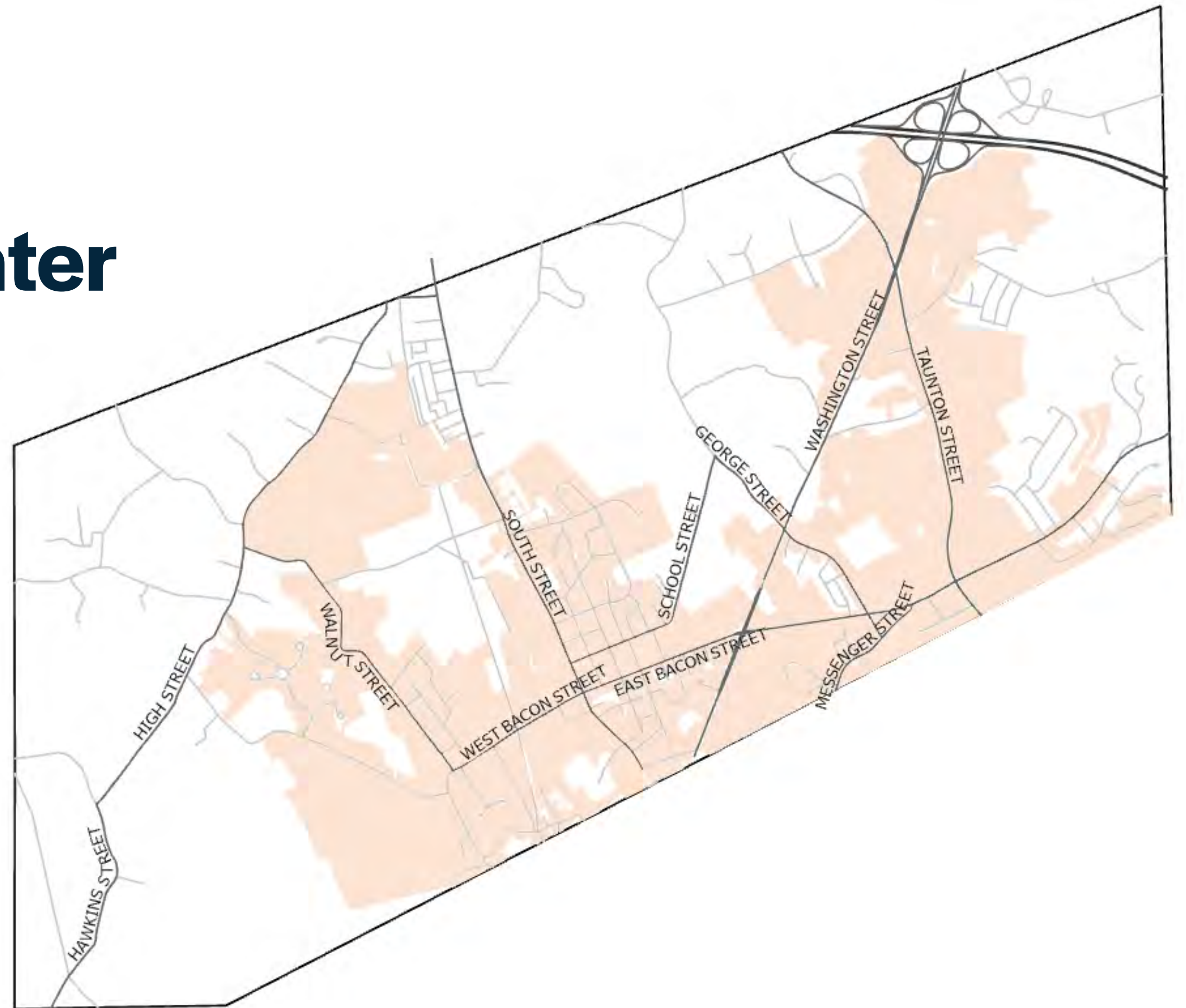
4 pressure zones, 2 water tanks, more than 2,500 water services, 65 miles of water main, and 4 wastewater collection stations.



03. Existing Conditions

Municipal Wastewater

For illustrative purposes.
Created by using a 100-ft buffer around network.
May contain errors.



03. Existing Conditions

Water Network Investments

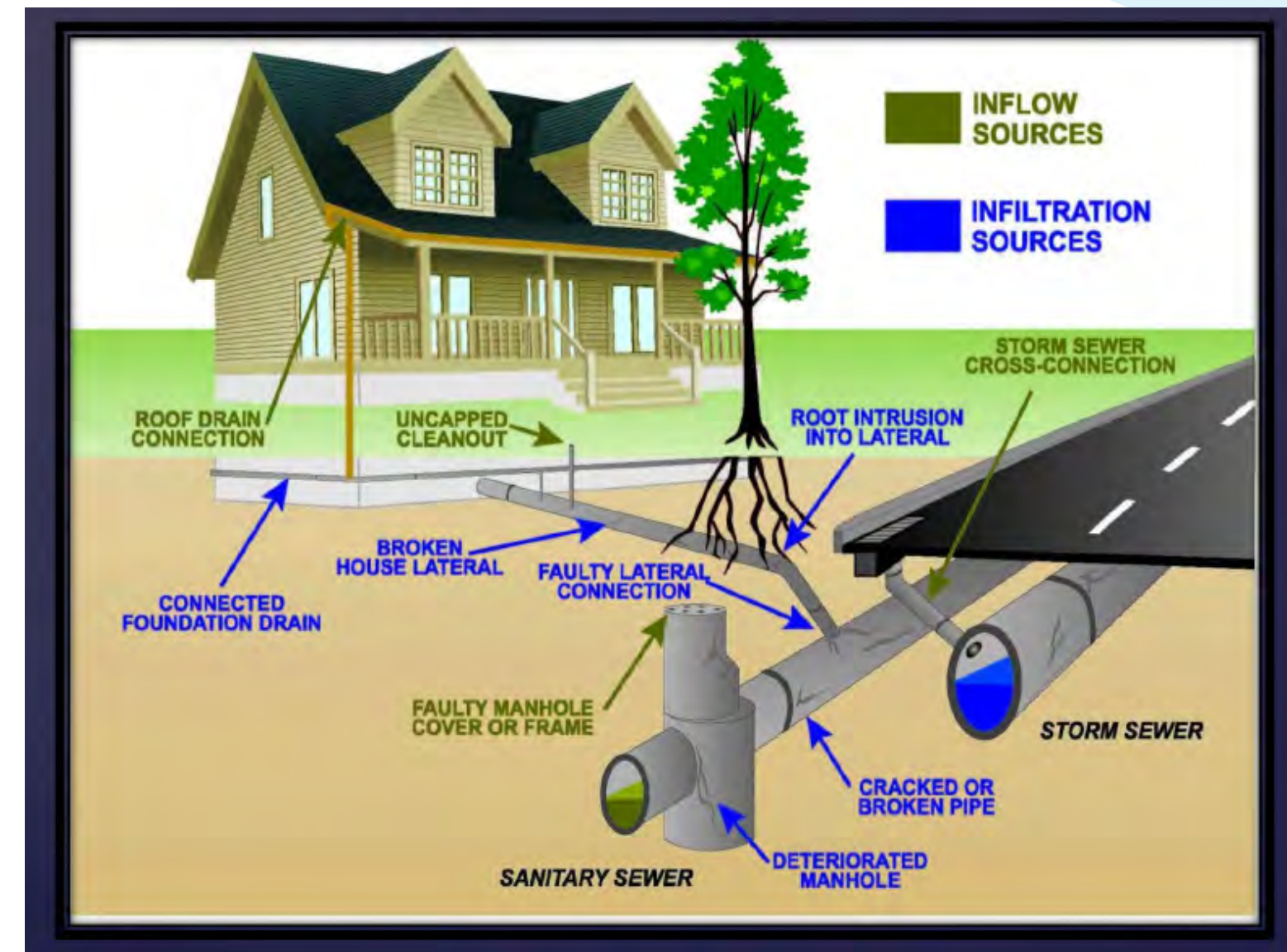
- Applying for new withdrawal permit for 0.82 MGD, up from 0.62 MGD.
- In the process of building a new well on newly bought land next to Turnpike Lake
- In the process of designing new Water Treatment Plant, doubling treatment capacity.



03. Existing Conditions

Wastewater Investments

- Focus on Inflow/Infiltration (I&I) improvements.
- Reducing I&I would free up significant capacity that could support new development.
- Capital Plan dedicates about \$400k per year to design/construction



03. Existing Conditions

Challenges

- No immediate plans to expand network.
- Plainville relies on N. Attleborough for wastewater treatment.
- While Water capacity is adequate, Wastewater capacity is at its limit.
- Development Moratorium triggered due to wastewater usage exceeding allowed amount.



03. Existing Conditions

Transportation

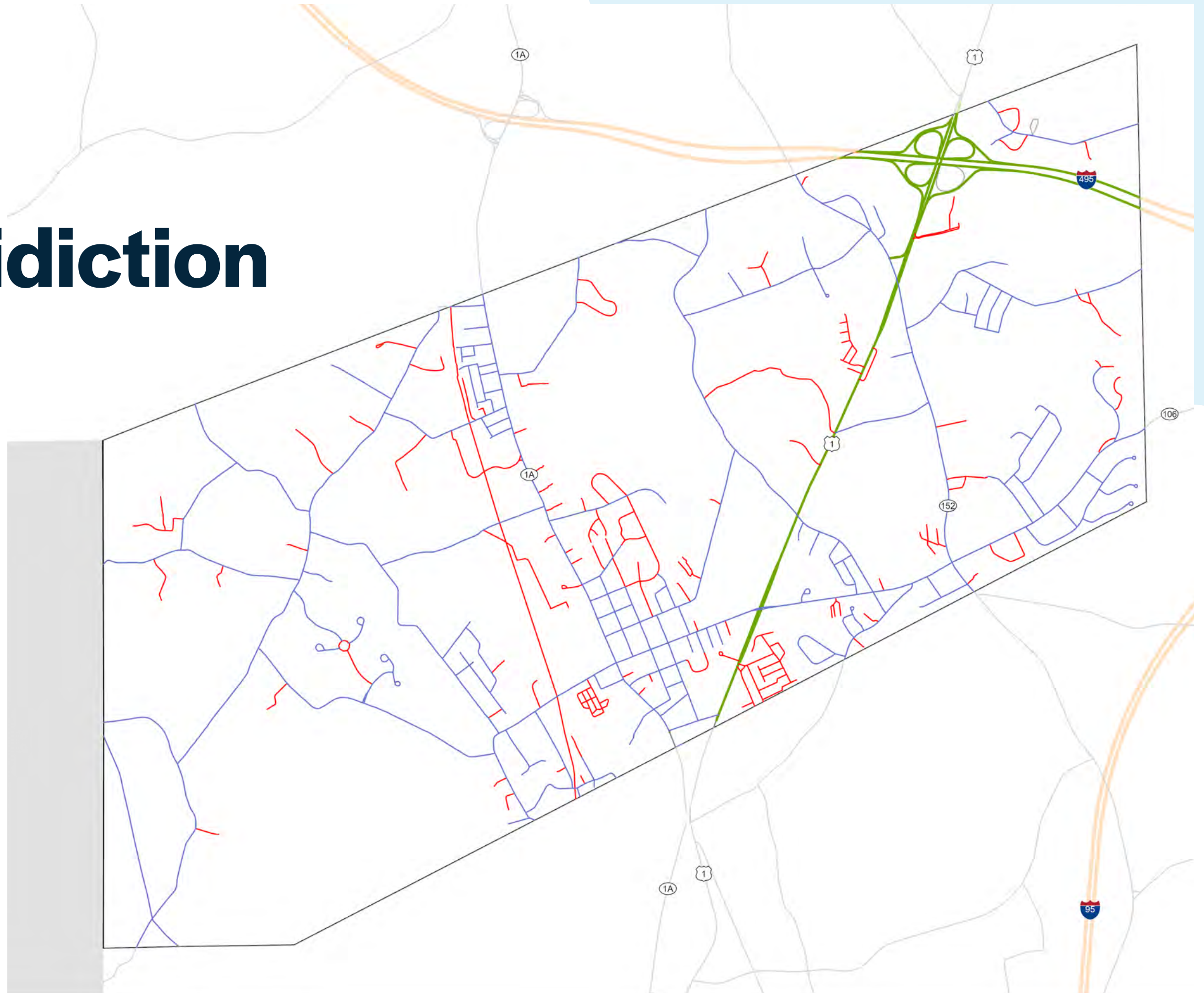
Most people drive to get around town, but many residents want more options - walking, biking, and transit. We'll focus on the safety of Plainville's transportation network for all users.



03. Existing Conditions

Roadways by Jurisdiction

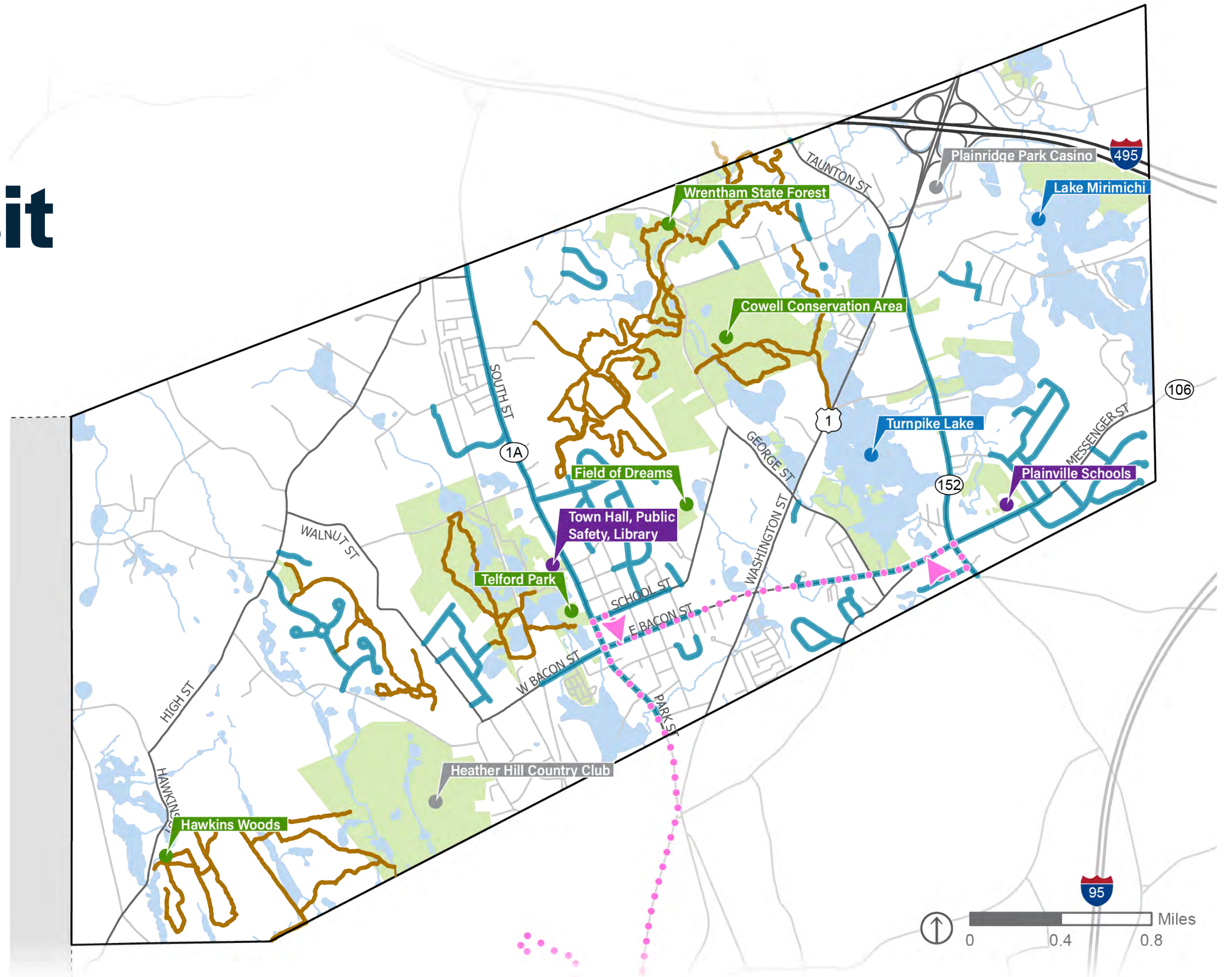
- State-managed
- Town-managed
- Private way



03. Existing Conditions

Pedestrian & Transit

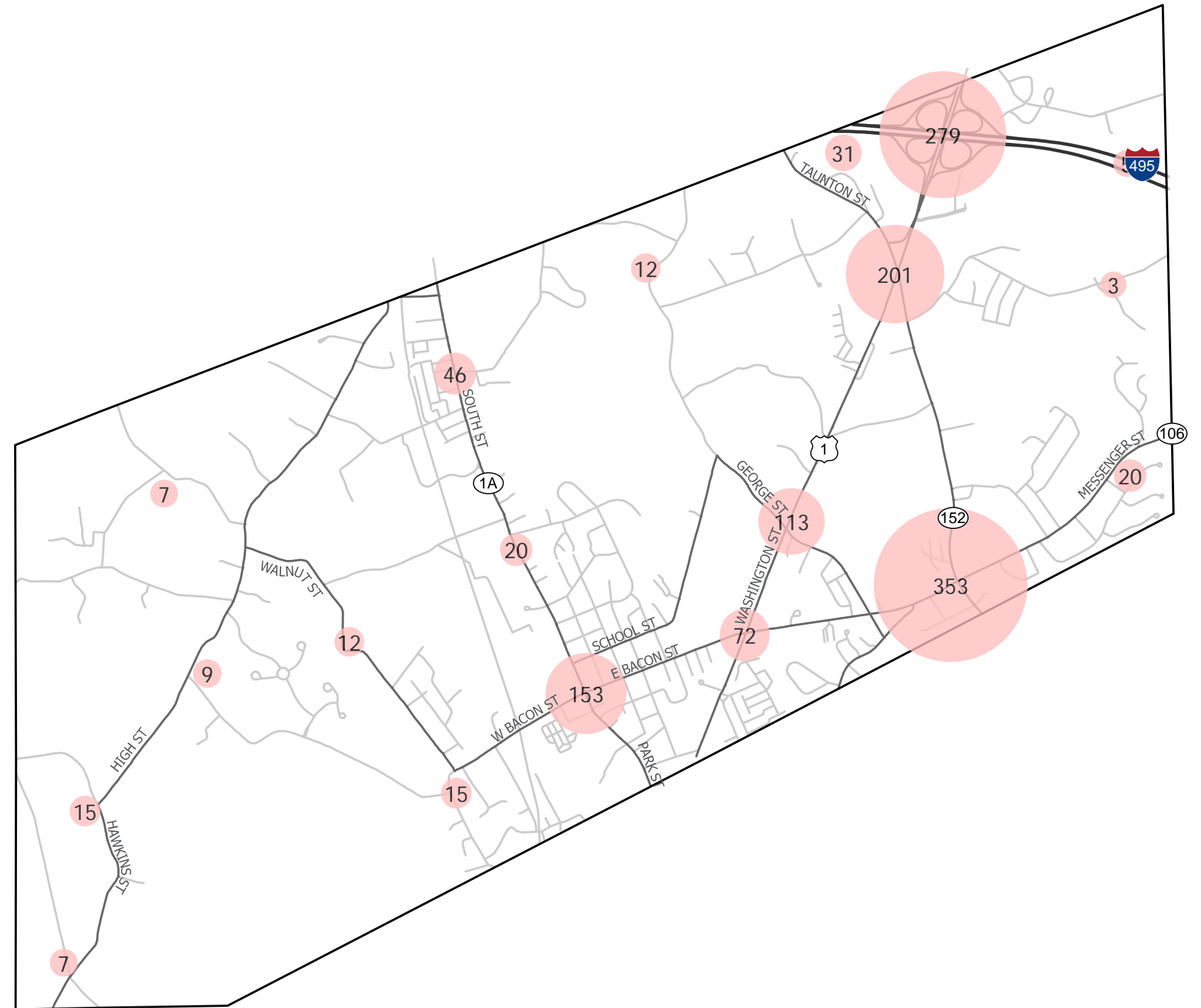
- Streets
- Major Roads
- Trails
- Streets with Sidewalks
- ● ● GATRA Route 14



03. Existing Conditions

Crashes

- I-495 and Route 1 (Washington St.)
- Rt. 152 (Taunton St.) and Rt. 106 (Messenger St.)
- Rt. 1 and Rt. 106 (E. Bacon St.)
- Rt. 1 and George St.
- Rt. 1A and E. Bacon/W. Bacon St.





Rt. 152 (Taunton St.) and Rt. 1 (Washington St.)



Wilkins Four Corners - Rt. 152 (Taunton St.) and Rt. 106 (Messenger St.)



Rt. 1 and Rt. 106 (E. Bacon St.)



Rt. 1 and George St.

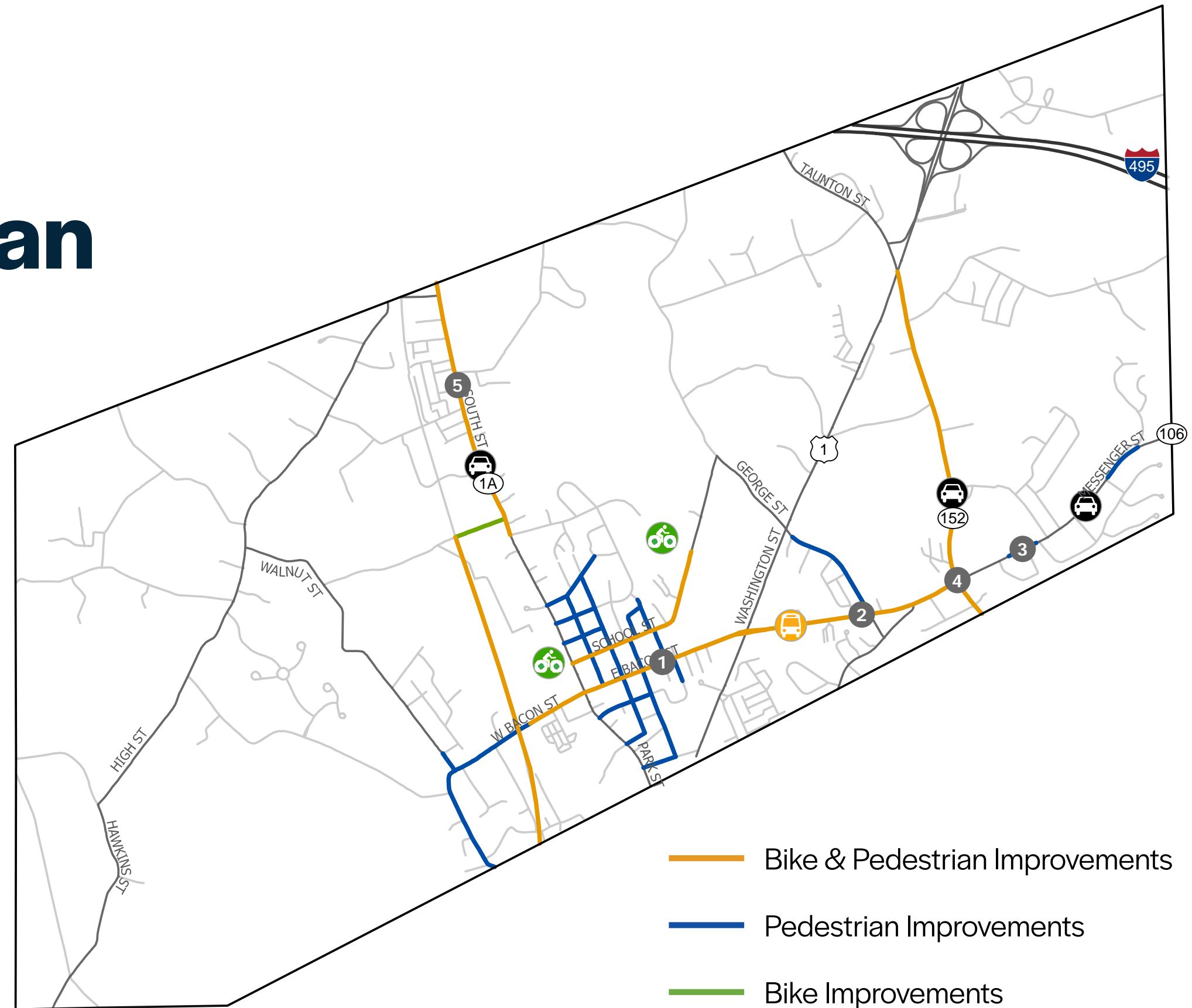


South St. and E/W. Bacon St. - the "Town Center" of Plainville

03. Existing Conditions

Complete Streets Plan

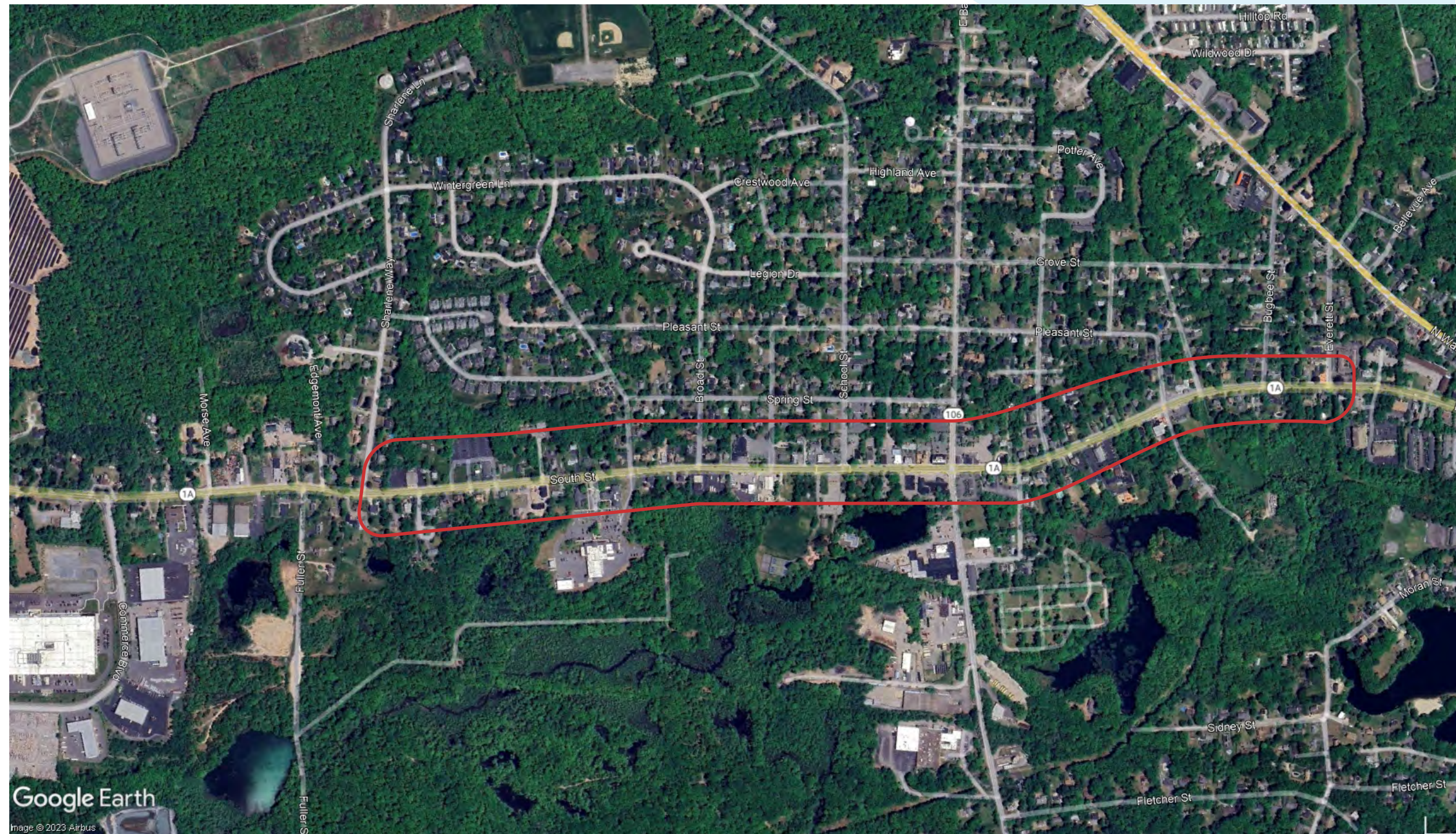
- 1. E. Bacon Phase I (South St. to Washington St.)
- 2. E. Bacon Phase II (Washington St. to Taunton St.)
- 3. Messenger St. School Crosswalk
- 4. Rt. 152, 106 Intersection Improvements
- 5. South St. (Sharlene Dr. to Wrentham line)



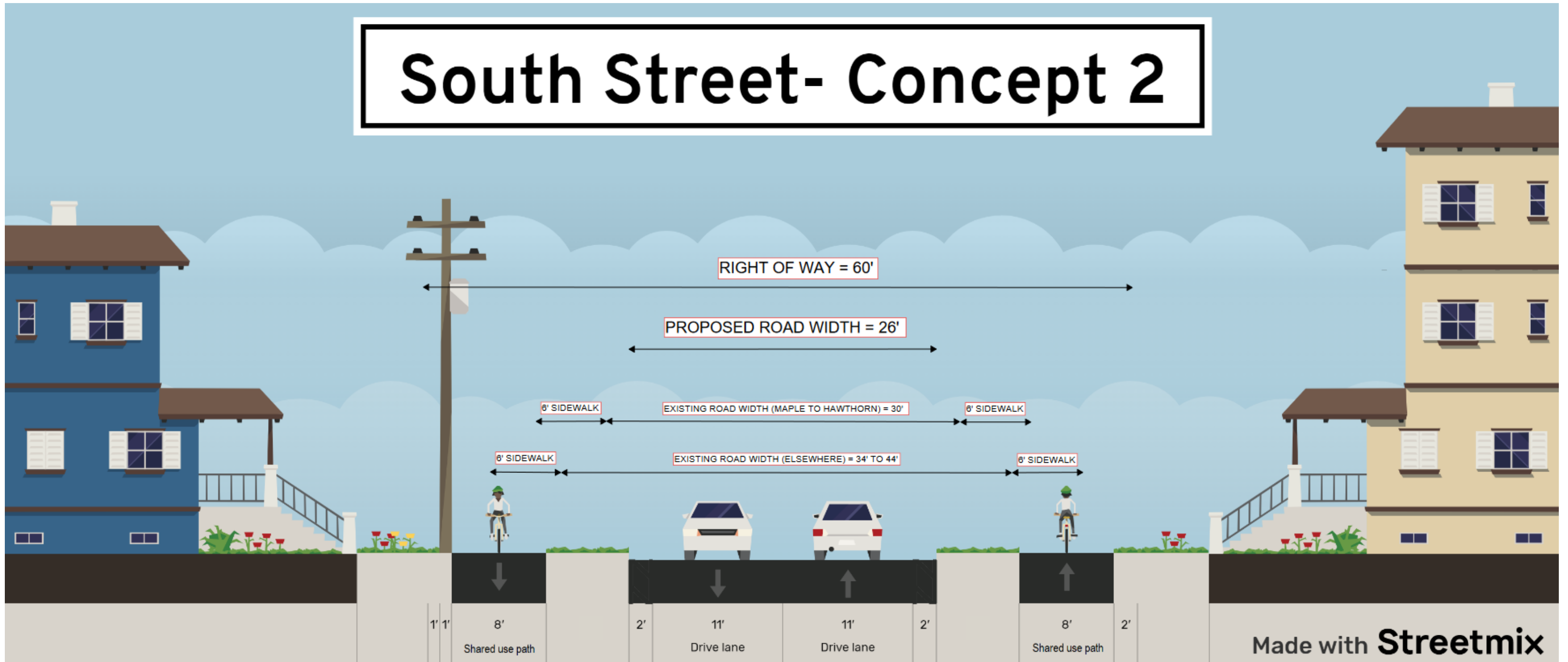
03. Existing Conditions

South St. Improvements

- 2026 TIP
- N. Attleborough town line to Sharlene Ln.
- 8 ft. Multi-use path on both sides of road with landscaping
- Draft presented in May 2023



South Street- Concept 2



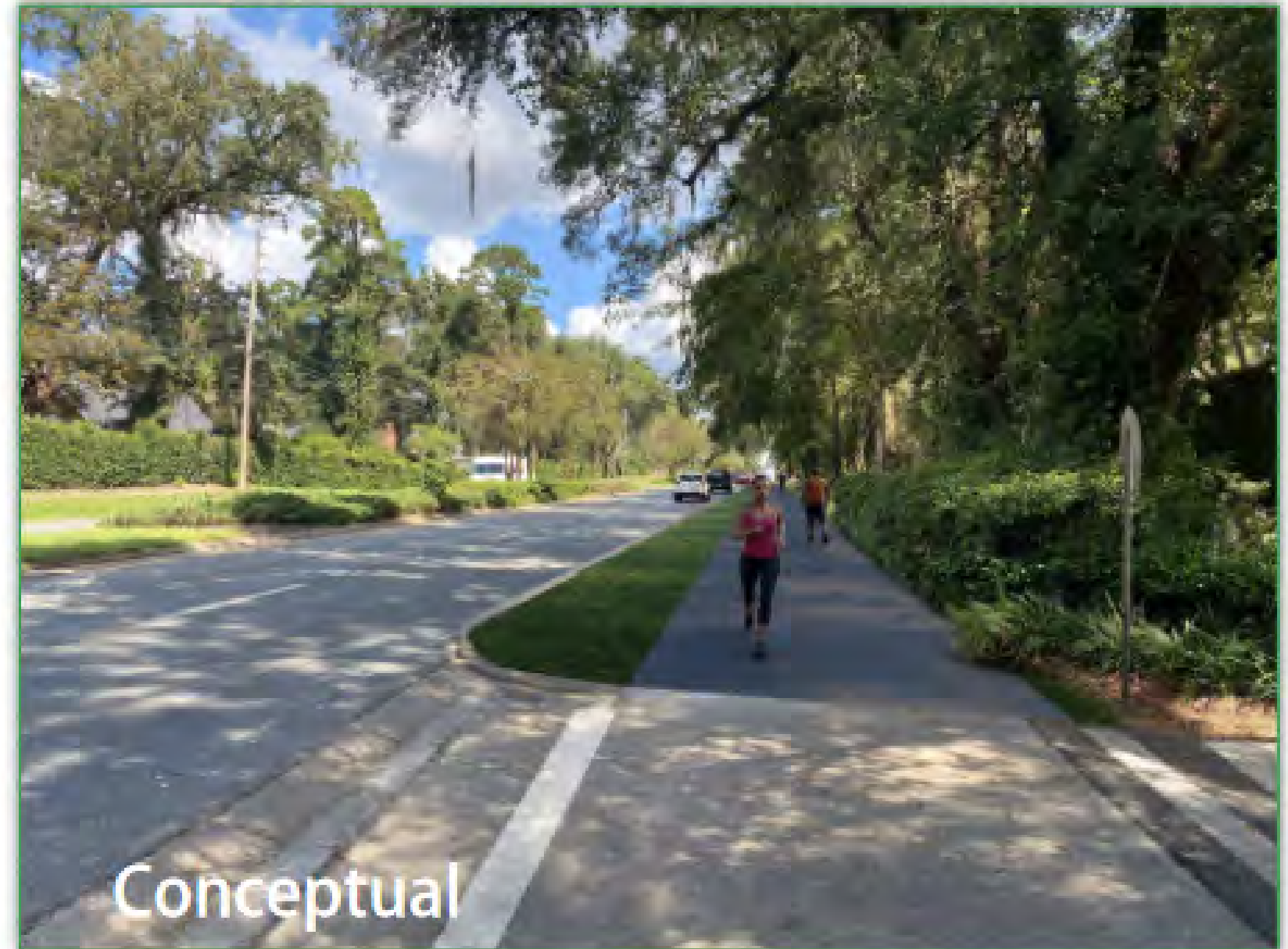
5' Landscape buffer

5' Landscape buffer

Made with **Streetmix**

03. Existing Conditions

Similar Example

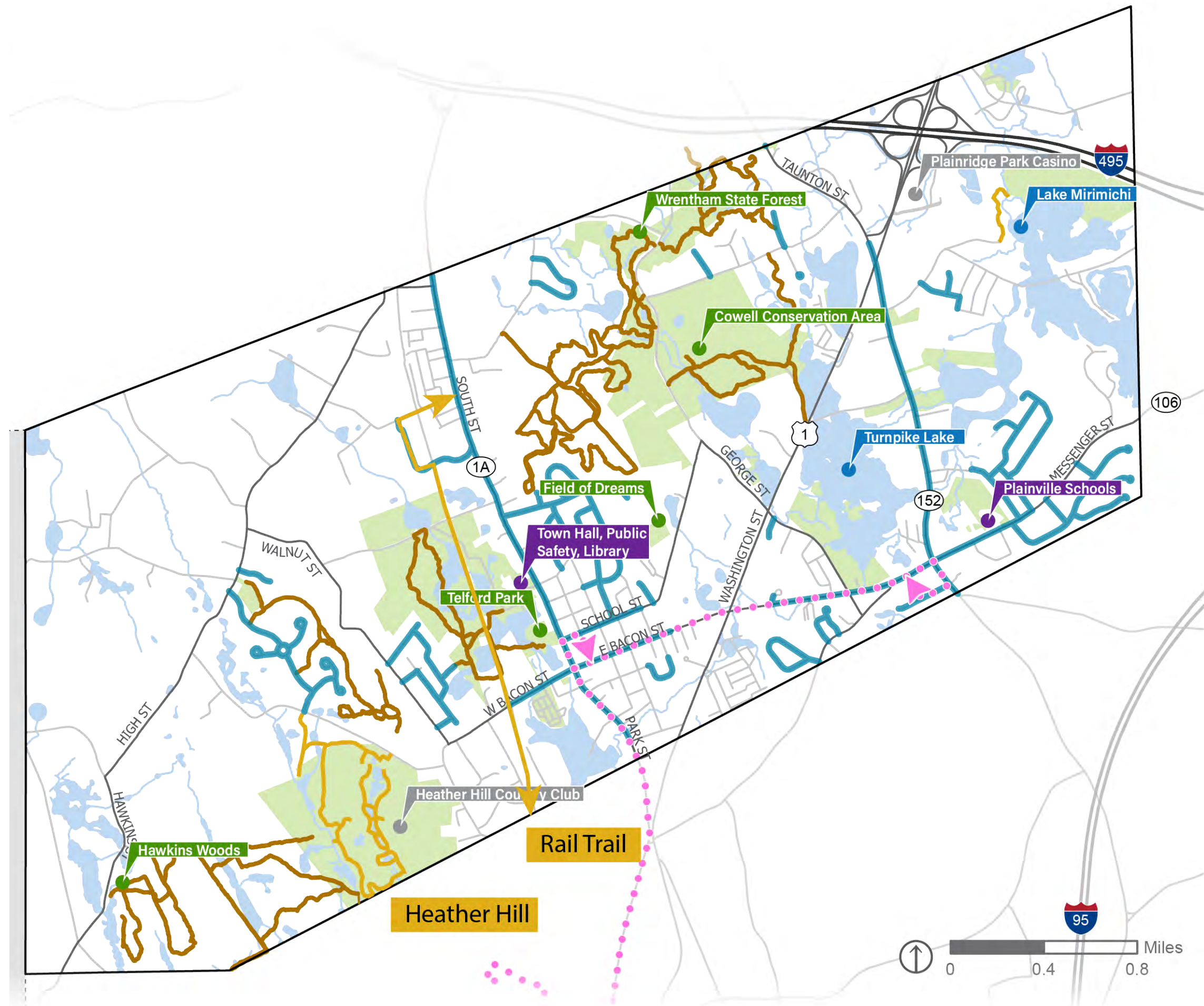


Example shown is a 2.5 mile 10-12 ft. path in a suburban community (Thomas Road Multi-use Path, CRTPA)

03. Existing Conditions

Trail Network

- Town-wide Trails for outdoor recreation and appreciation of nature
- New trails through private development, such as Heather Hill and near Casino
- Town Conservation efforts, such as Hawkins Woods
- Rail Trail proposal, connecting N. Attleborough to Wrentham



03. Existing Conditions

Services & Facilities

Plainville provides many services for its residents - such as the senior center and library. Plainville is working to modernize its many facilities.





Town Hall, Public Safety Complex, Library



Anna Ware Jackson Elementary School (Pre-K - Grade 2)



Beatrice H Wood Elementary School (Grade 3 - 6)



Council on Aging



Humphrey House, Historical Society

Other facilities:

- Open spaces, like Telford Park and Field of Dream
(we'll talk next Deep Dive!)
- Highway, Water and Sewer facilities
- Smaller structures like Bliss Union Chapel, Boy Scout House

03. Existing Conditions

Ongoing work

- 2021 ADA Plan
- Consolidated smaller projects under Facilities Maintenance Department



03. Existing Conditions

Key Takeaway

Any growth must be closely linked to investments in town infrastructure! That's responsible growth.



05. Early Draft Goals and Strategies

Transportation

1. Improve safety of key corridors and intersections.

- Perform safety studies on most dangerous intersections and corridors with high crash rates.
- Develop solutions for locations with known safety problems.
- Work with the Mass. Highway Department, SRPEDD, town departments and developers to implement safety improvement projects.

(this is generally through TIP projects)

2. Promote walking and biking between well-populated areas of town.

- Implement Complete Streets Projects, particularly connecting Town Center with Wilkins Four Corners along E Bacon St.
- Continue expanding trail network, including future rail trail to connect areas without sidewalk access.
- Improve pedestrian and cyclist access to Town Center through South Street multi-use path improvements.
- Implement shared parking solutions for Town Center, including municipal parking.
- Work with GATRA to evaluate routes and shelters, with a focus on senior users.

05. Early Draft Goals and Strategies

Services & Facilities

1. Improve availability and quality of water.

- Continue investing in facilities and network, including new well and water treatment plant.
- Create a Water and Sewer Master Plan.

2. Improve wastewater network

- Continue reducing Inflow and Infiltration (I&I) to reduce town wastewater usage and allow for future development.
- Explore strategic wastewater system expansion at sensitive environmental areas and near water bodies.
- Create a Water and Sewer Master Plan.

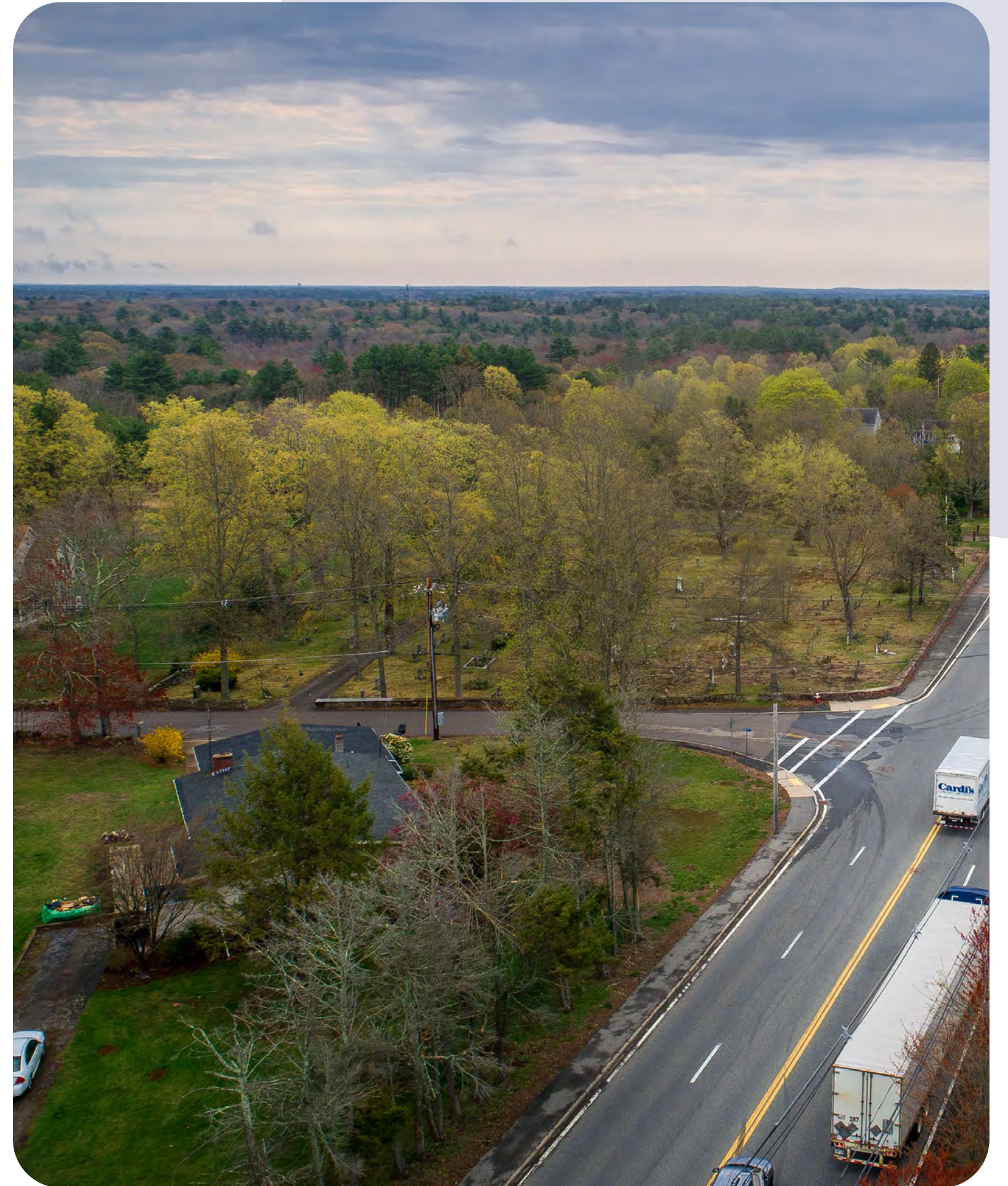
3. Maintain and modernize facilities to meet needs of growing town.

- Implement ADA Transition Plan improvements to ensure facilities are accessible to all.
- Provide adequate resources to Facilities Department to complete smaller maintenance and construction projects in a cost-effective way.
- Provide adequate resources to Town Departments to continue high-quality services in town.
(particular emphasis on library, COA)

05. Early Draft Goals and Strategies

Questions

- What is missing from these early draft goals and strategies for these two planning areas.
- What does/does not feel like a Town priority?





05. Early Draft Goals and Strategies

Next Steps

- **Next Deep Dive in August. Topic will be Open Space and Natural/Cultural Resources.**
- **Begin drafting plan for MPC/Public Review in late-November.**