

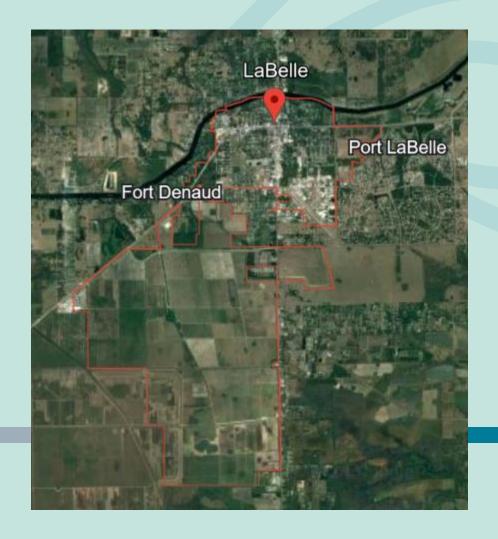
Can Small Cities be the Underdog for Stormwater Management?

Amanda C. Boone, PE

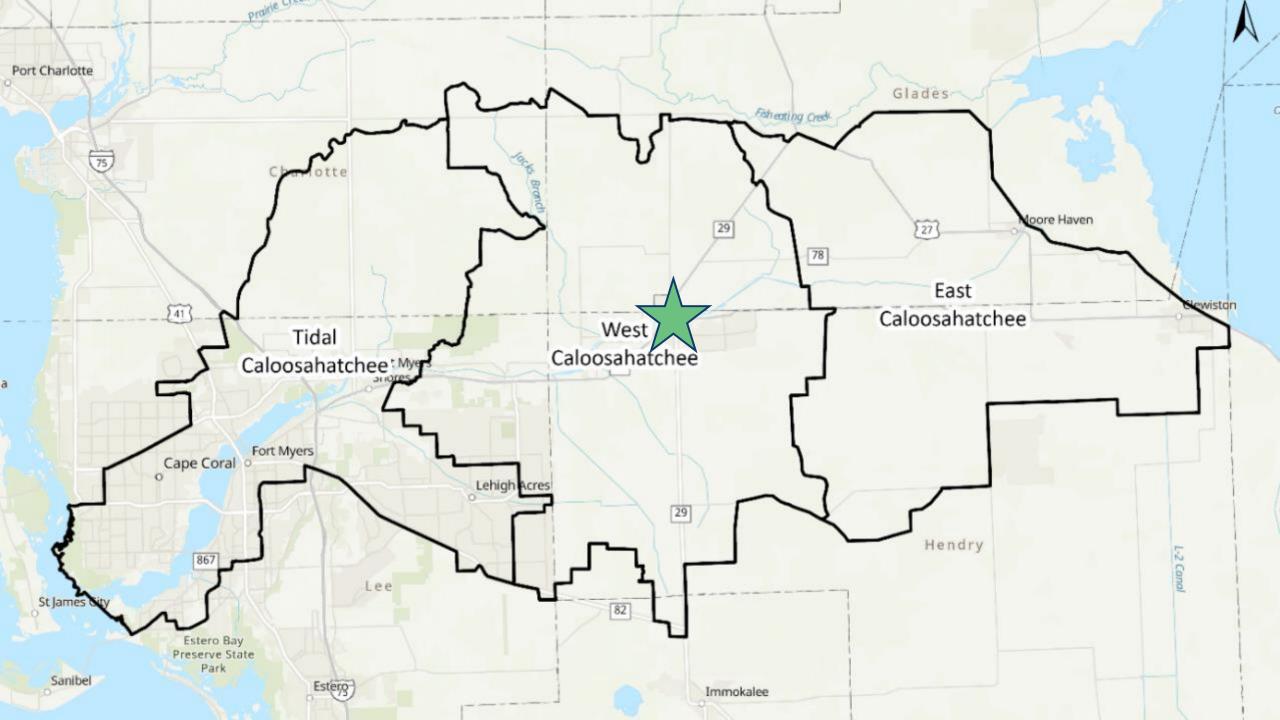
Florida Stormwater Association
Summer Conference 2024

City of LaBelle

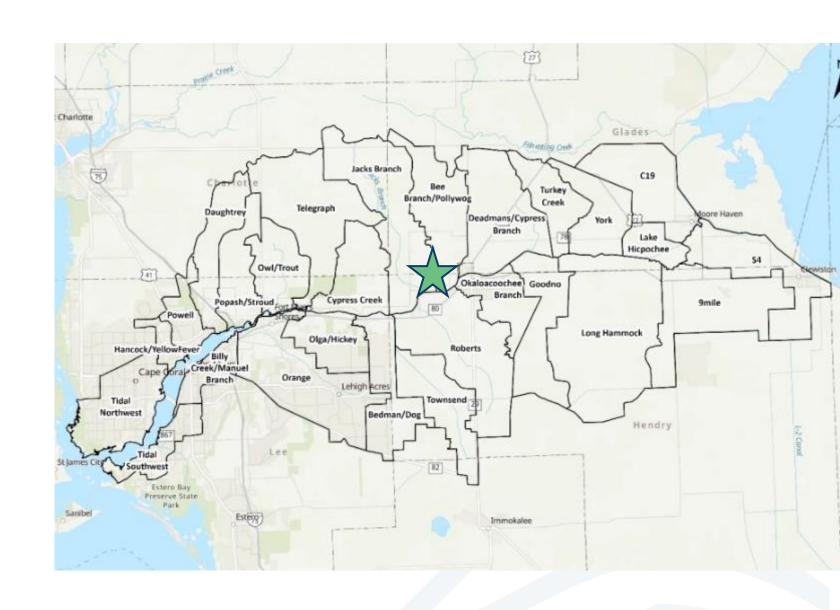
The City Under the Oaks







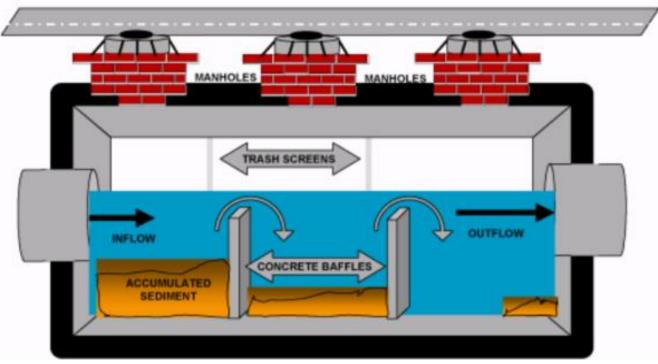
- Insufficient data to determine TN or TP trend
- ► TN load reduction requirement of 2,950 lbs/yr
- BMAP does not give credit for septic to sewer projects

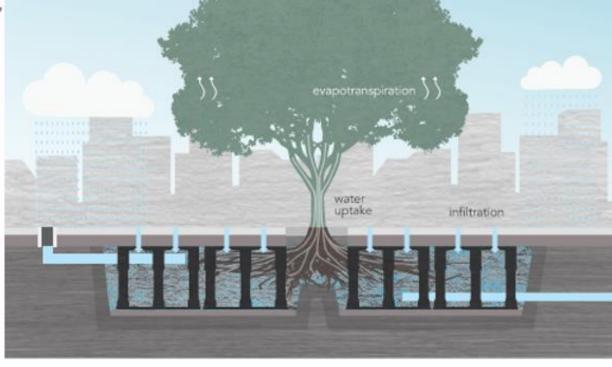


Actions to Achieve Nutrient Load Reductions

- ► 5 projects
- Includes septic to sewer conversions & WWTP improvements
- Over 860 customers coming off septic







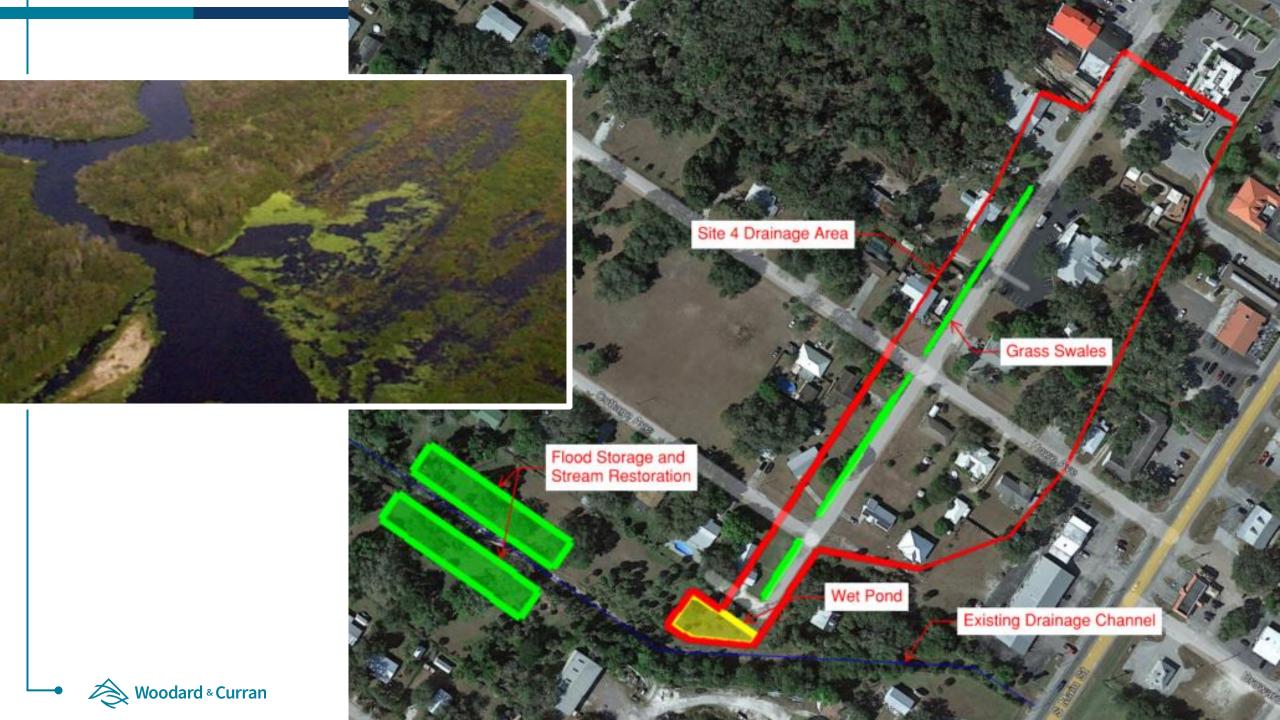
Sources: EPA Storm Water Technology Fact Sheet Baffle Boxes Schematic of a Baffle Box

Source: Silva Cell System



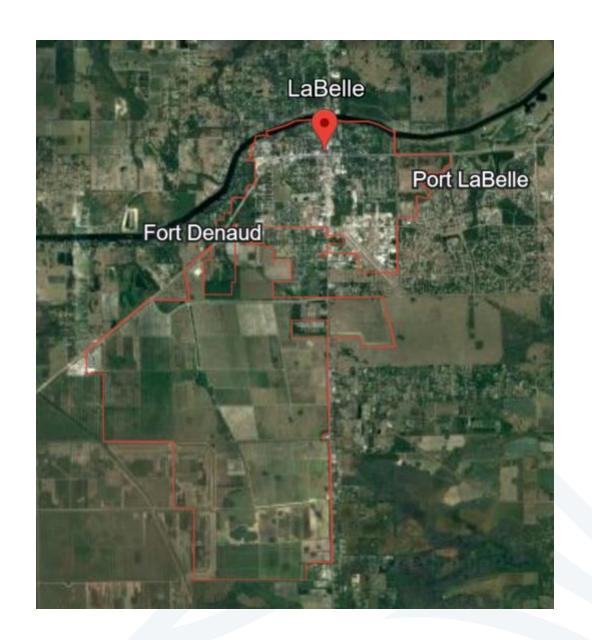






Current Status

- Already converting septic to sewer
- Exploring SW opportunities to improve water quality
- Upgrading their utilities to plan for the future
- Seeing increased development and reduction in ag lands



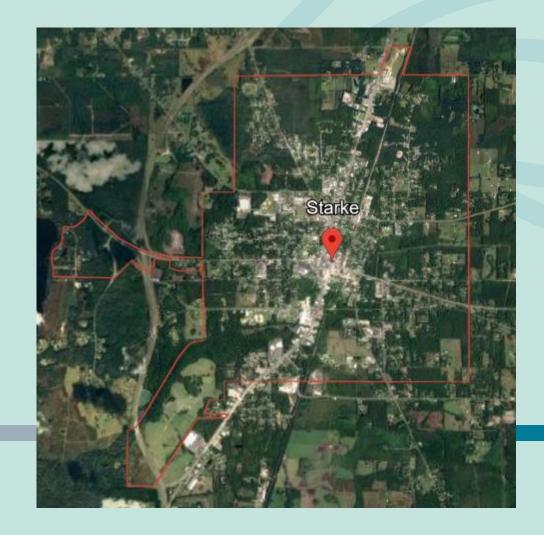
Closing Thoughts For LaBelle

- Perfectly positioned for urban sprawl
- ► LaBelle needs assistance to handle the increasing pressures
- ► They are an environmental justice community
- Need to acknowledge water quality improvement projects and provide support for
- Need additional water quality monitoring

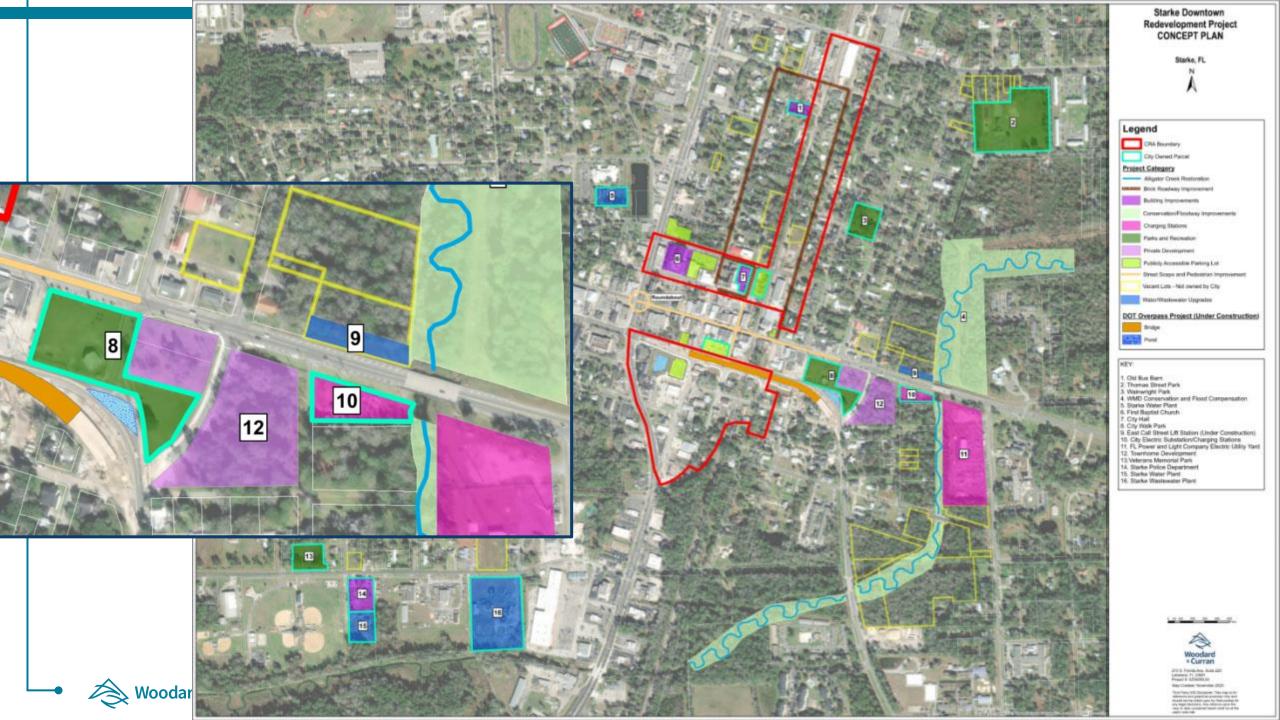


City of Starke

Southern Hospitality at Its Finest

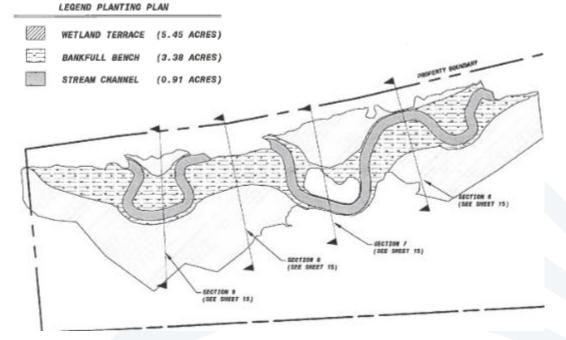








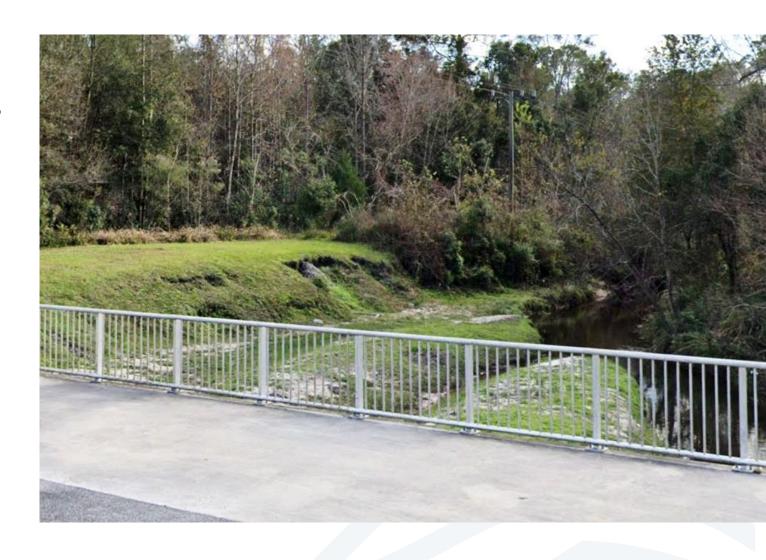
- Previously restored 1,790 ft to 2,430 ft
- Added sinuosity and bankfull bench
- Provided area for flow to spread out and slow down





Existing Stream Issues

- Flashy slows subjecting improperly vegetated banks to extreme erosive forces
- Lack of habitat
- Limited opportunity to interact with nature
- Viewed more as a liability than an asset



Opportunity

- ► Restore an additional 9,000 ft
- Improve resiliency
- Stabilize banks
- Improve fish & wildlife habitat
- ► Provide recreational use
- Reduce maintenance
- Improve water quality
- Increase species diversity
- For Starke, provide connectivity!







Inland Florida Communities

Mascotte, LaBelle, Starke, Groveland, Bushnell, Orange City, Newberry, Montverde





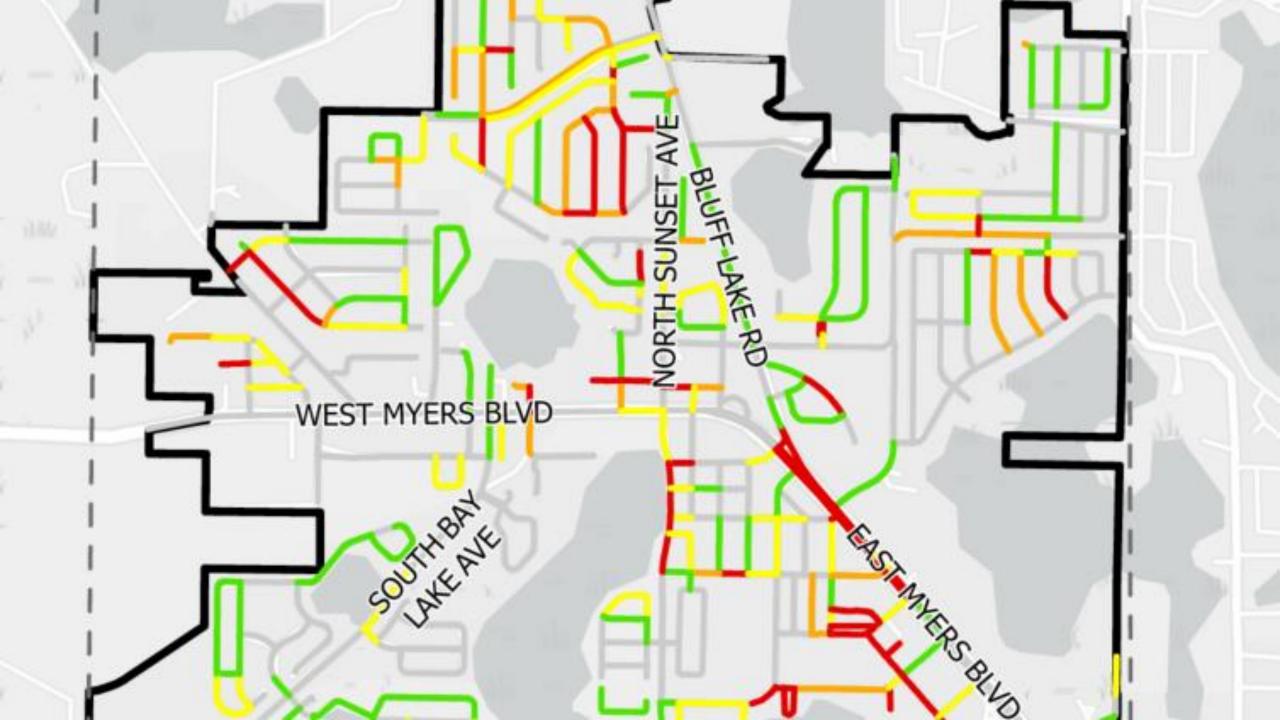


ARCADIA, Florida — Tias Lias thought she was doing a nice thing, driving her kids to get Chinese food the day after Hurricane Ian tore through their rural town 50 miles inland from the coast.









What's the Point?

- Meets FDEP requirements
- Opens up multiple opportunities for funding
 - Not just Resilient Florida, some are considered environment justice communities
- Provides a mechanism to manage failing infrastructure

Can Small Cities be the Underdog for Stormwater Management?



... YES!

- ► The next wave
- Mutually beneficial