



Stream Restoration Through ARPA Funding

South Carolina Association for Hazard Mitigation Conference

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March 19, 2024

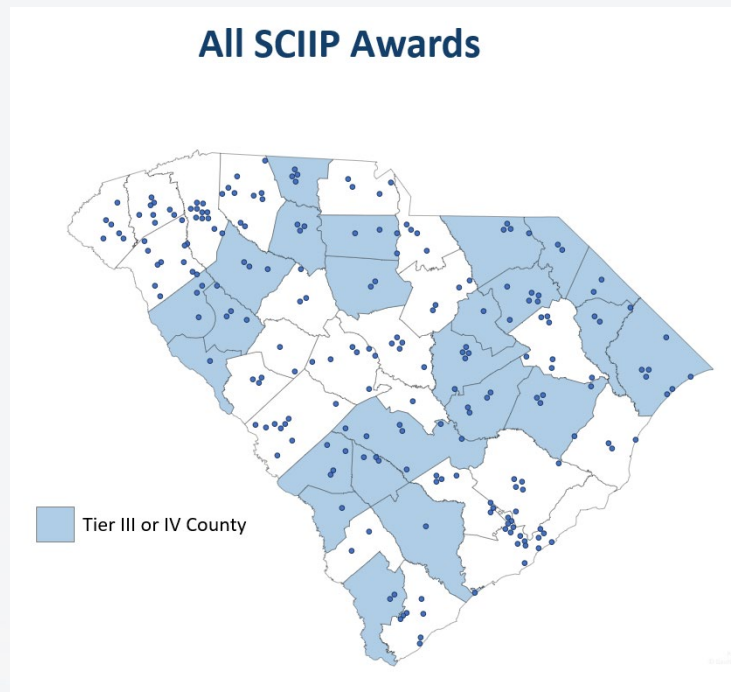


RISE TO THE CHALLENGE

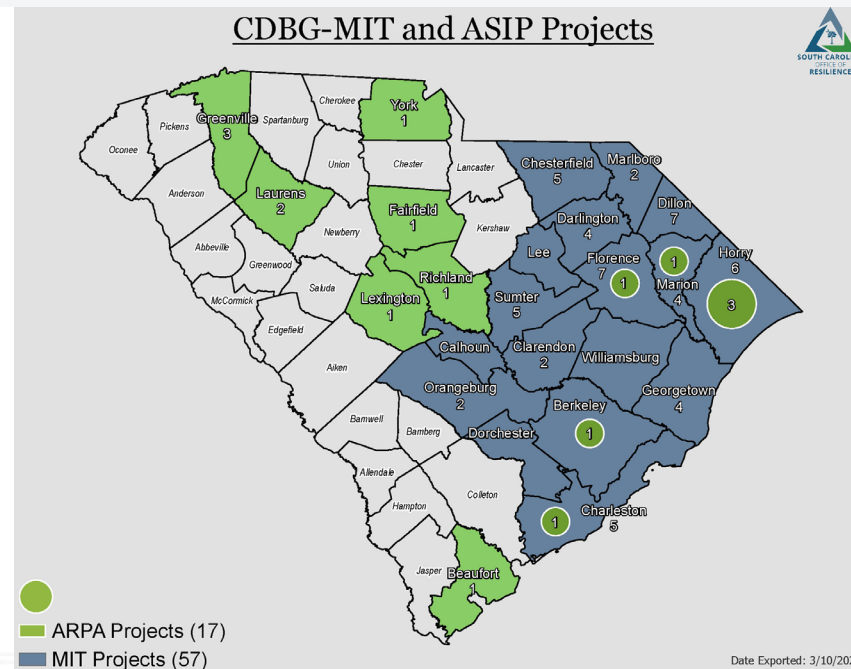
ISO 9001:2015 Certified | Employee-owned Since 1988

ARPA Funding in South Carolina

- American Rescue Plan Act (ARPA) – March 2021
 - ▶ Direct to Municipalities
 - ▶ South Carolina Infrastructure Investment Program (SCIIP) \$900 million water, wastewater, and stormwater systems
 - ▶ South Carolina Office of Resilience (SCOR) \$55 million for Stormwater Infrastructure Program



Map from <https://ria.sc.gov/>



Map from <https://scor.sc.gov/news/2023-03/arpa-stormwater-infrastructure-project-award-announcement>

Stream Restoration for ARPA

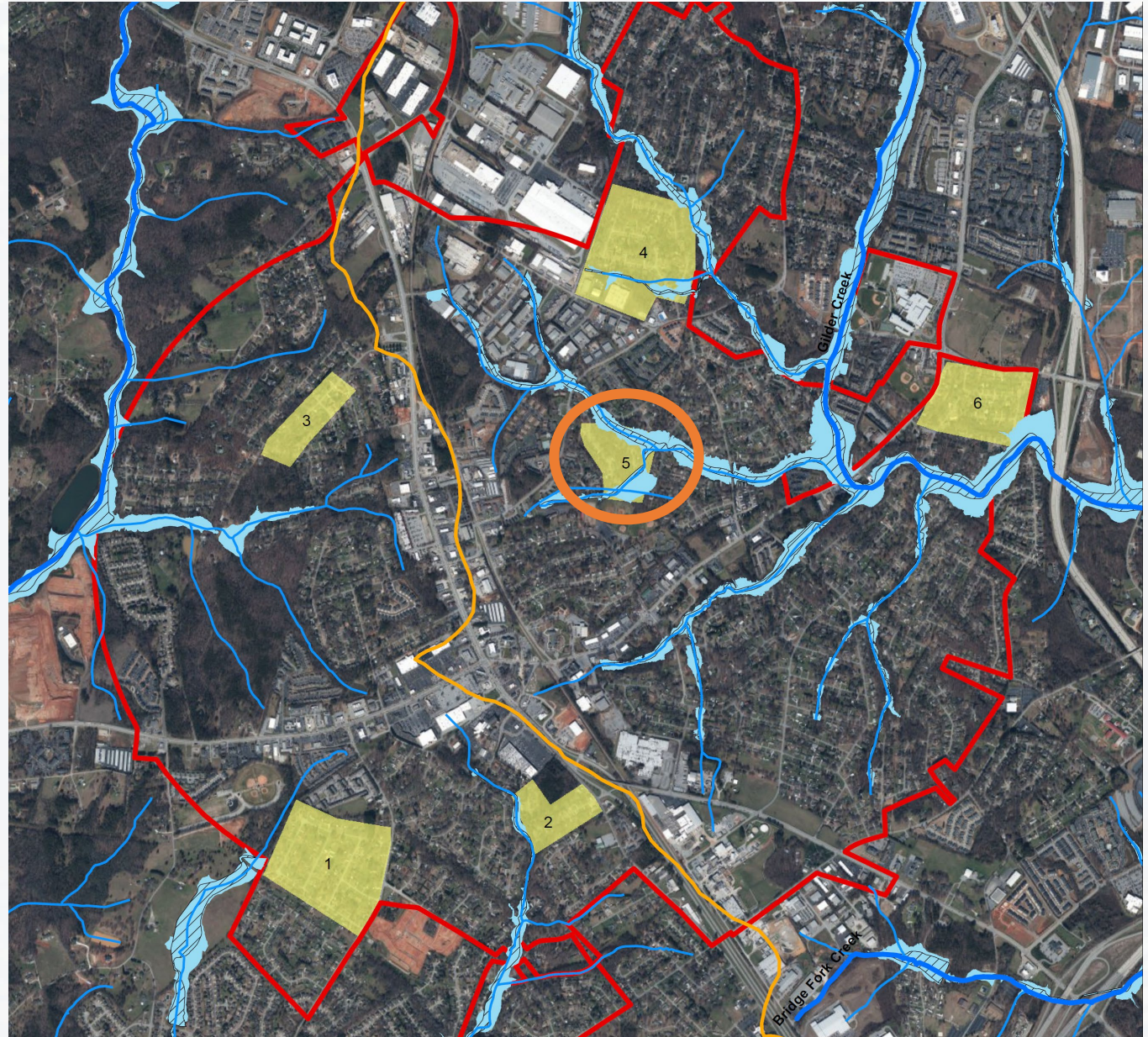
- Typical Stream Restoration Drivers:
 - ▶ Mitigation
 - ▶ Erosion / Land Loss
 - ▶ Relocations
 - ▶ Habitat Improvement
- Stream Restoration for ARPA/Infrastructure Projects:
 - ▶ Flood Risk Reduction
 - ▶ Nature-Based Approaches
 - ▶ Infrastructure Protection
 - ▶ Community Equity and Greenspace
 - ▶ Interdisciplinary Design Coordination



Oak Park Stormwater Improvements

Mauldin, SC

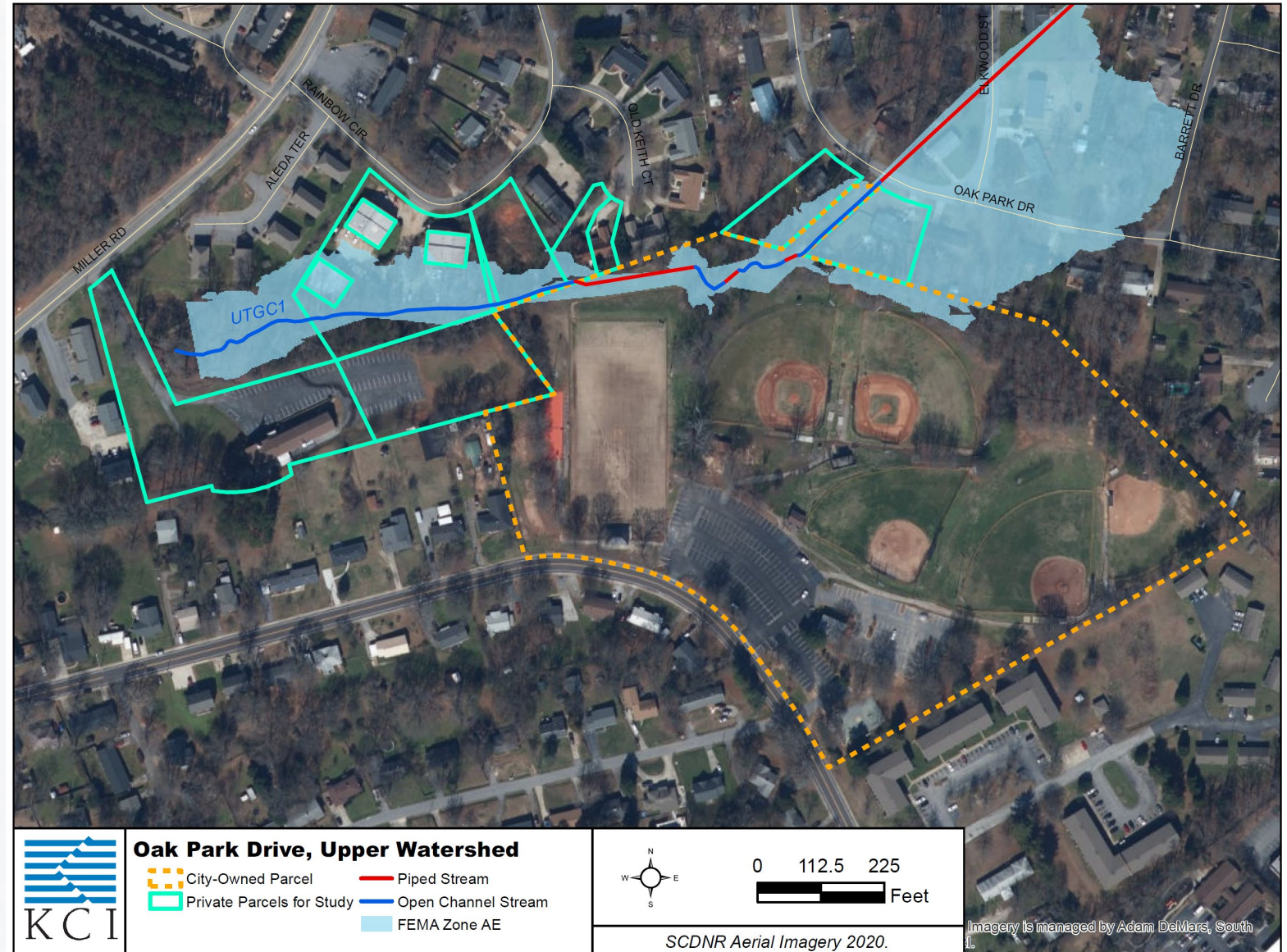
- Historic stormwater problems identified by City in initial site identification



Oak Park Stormwater Improvements

Mauldin, SC

- Infrastructure at risk
- Lower income demographic

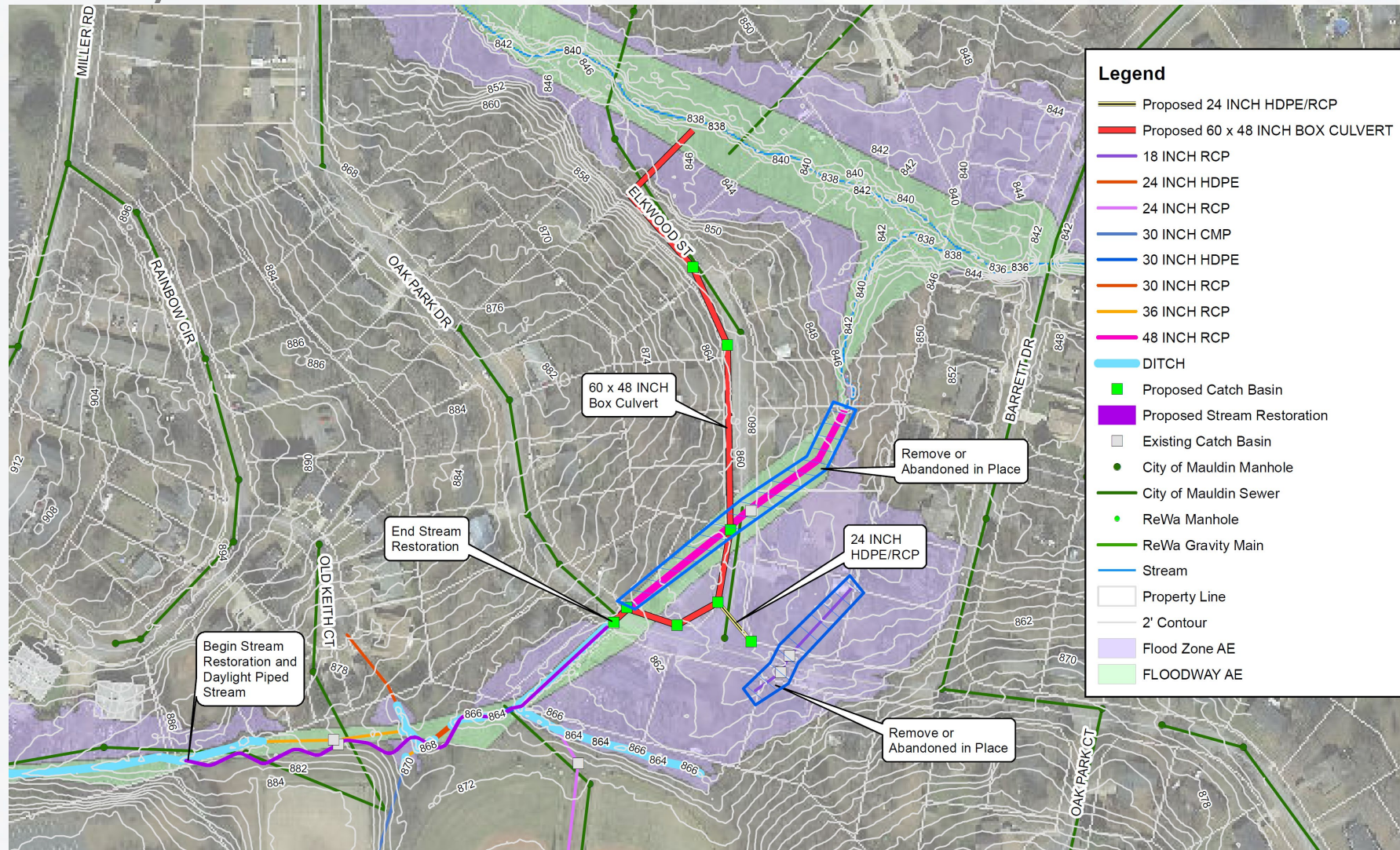


Oak Park Stormwater Improvements Mauldin, SC



Oak Park Stormwater Improvements

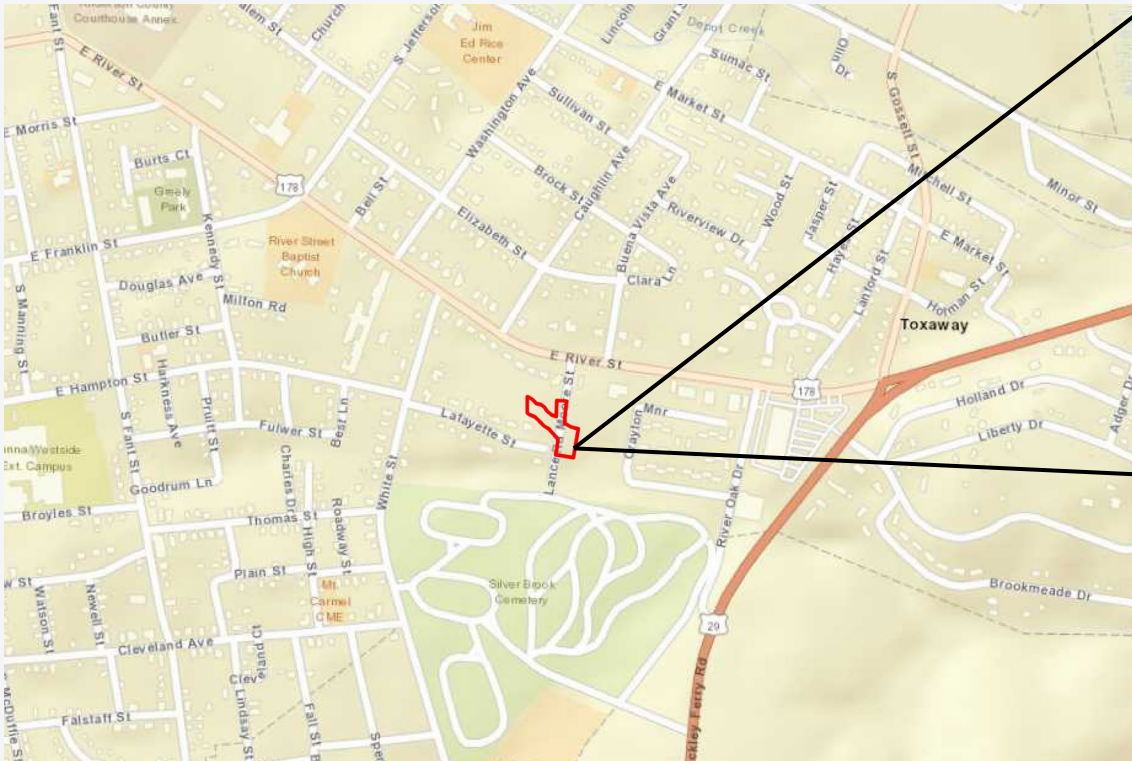
Mauldin, SC



Lafayette Street Stormwater Improvements

City of Anderson

- Historic erosion and stream obstruction due to abandoned culvert



Lafayette Street Stormwater Improvements

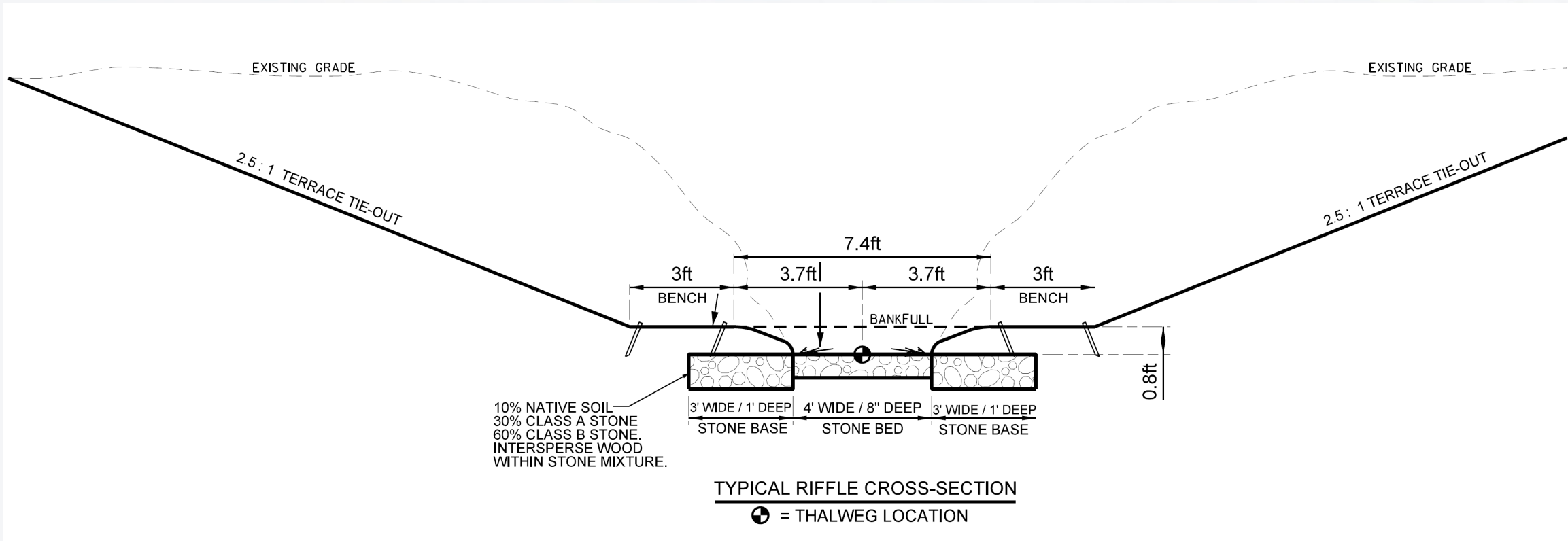
City of Anderson



Lafayette Street Stormwater Improvements

City of Anderson

- Constructed Riffle with Vegetated Soil Lifts



ARPA Constraints & Lessons Learned

- Legacy Problems
- Emphasis on Nature-Based Design
- Tight Timelines
- Careful Planning
- Opportunity for Creativity



After ARPA?

- Continue momentum for nature-based design
- Emphasize benefits to community resilience
- Pursue other funding sources:
 - ▶ FEMA Grants
 - ▶ Section 319 Grants
 - ▶ CIP Funding through municipalities
 - ▶ Public Utilities



Questions?

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