

Redwood Convenience Site Update

BOCC Work Session

January 5, 2026



Motiryo Keambiroiro, DCo General Services Director

Chrissie Koroivui, DCo Solid Waste Program Manager

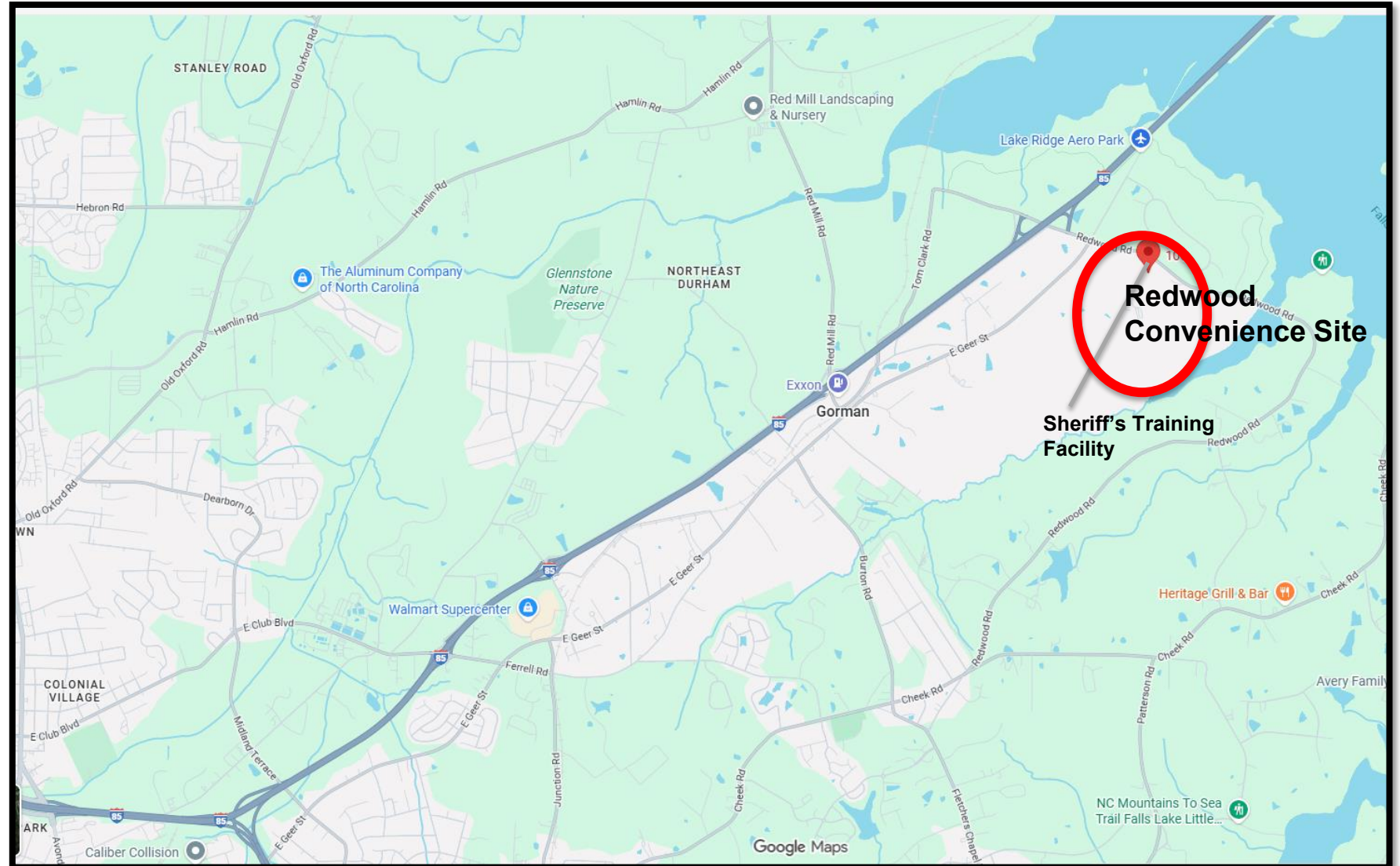
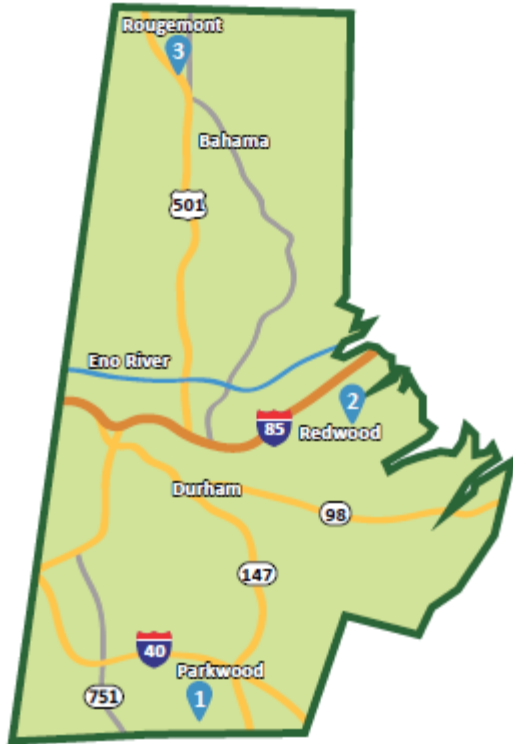
Mike Brinchek, Smith + Gardner, Vice President / Sr. Project Manager

Overview

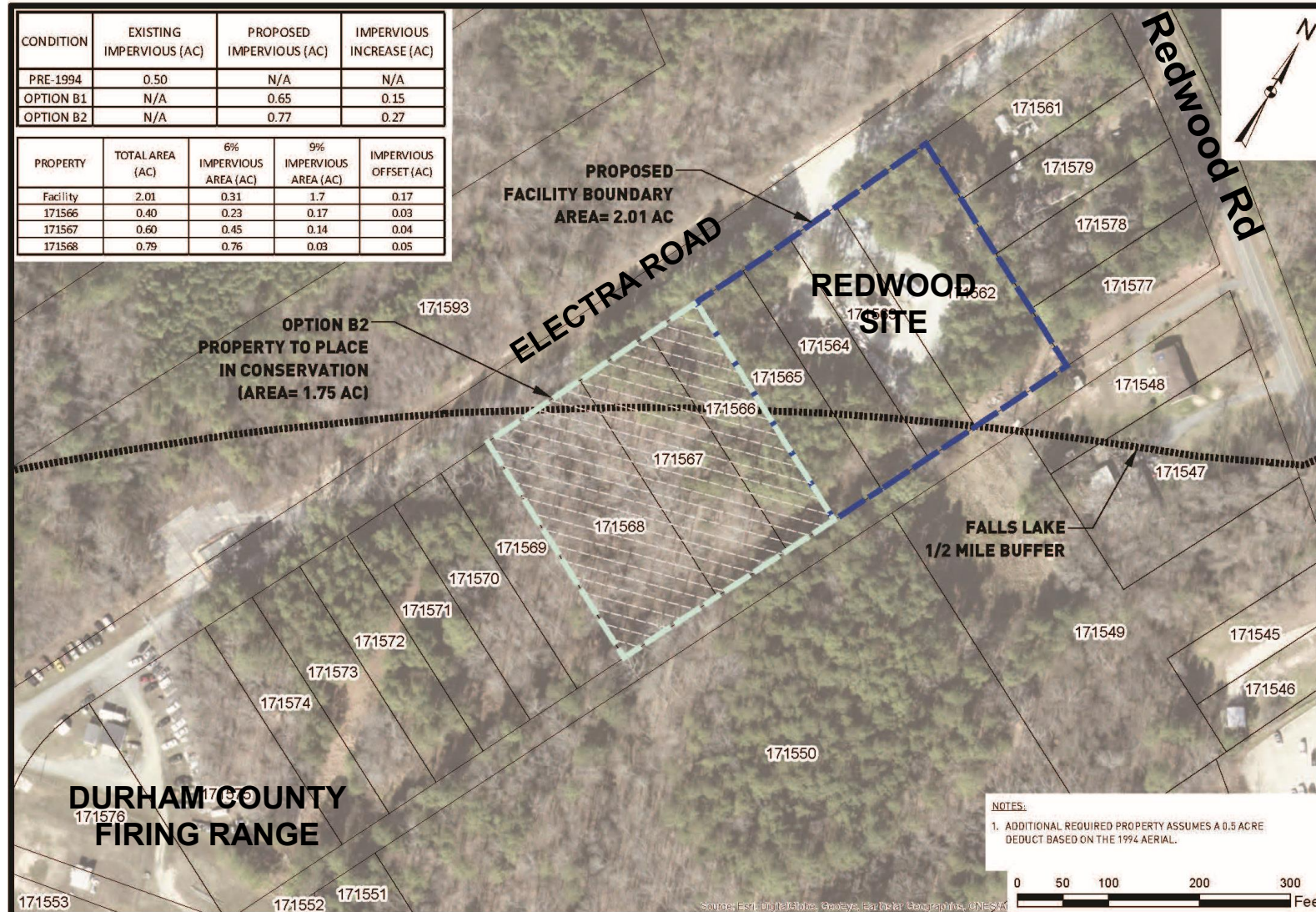
- Redwood Site Today
- Program Analysis
- Proposed Plan
- Next Steps



East Durham



Site Characteristics



Average Annual Statistics



52,000 Customers



**2,200 tons of
MSW**



**350 tons of
commingled
recycling**



**160 tons of
yardwaste**

Additional Materials Collected: Fluorescent Bulbs, Lead Acid Batteries, Auto Fluids (Motor Oil, Antifreeze, Oil Filters), Cooking Oil, Textiles, Scrap Metal, White Goods

Community Outreach



- Community Meeting was held on January 19, 2023 at East Regional Library.
- Community Survey was distributed at the meeting, at the Redwood Site, and was available online.
- Feedback: Customers want a more ergonomic yard waste disposal area, paved driveways, and additional services such as e-waste and household hazardous waste collection.

Existing Conditions



Unconditioned Attendant Hut with No Permanent Restroom or
Computer/Internet Access

Existing Conditions

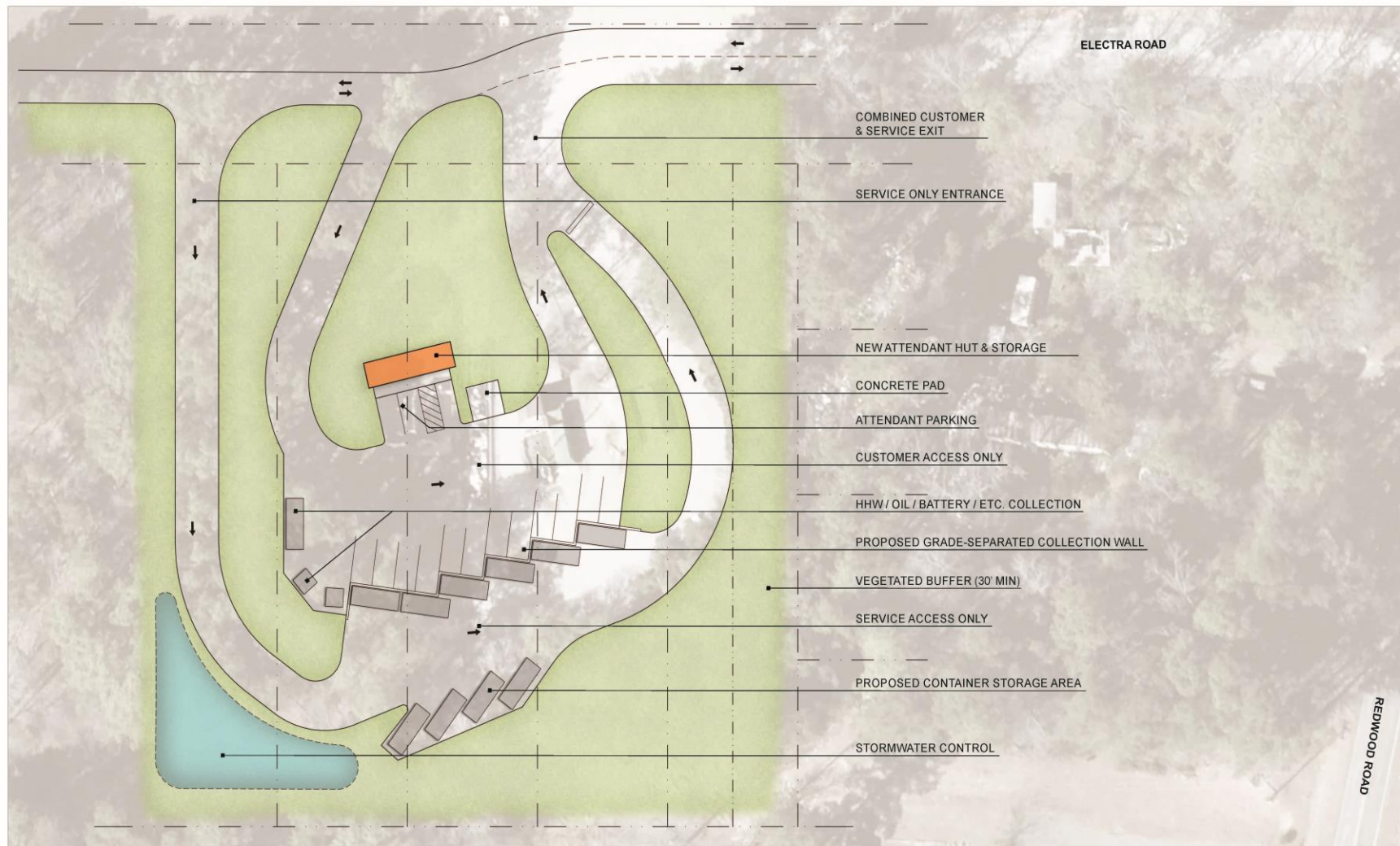


Gravel surface with no clear lanes

Existing Conditions



- Single Lane for Trash Disposal, Stairway to Yard Waste
- Open Top Dumpsters are Inefficient Compared to Compaction



DURHAM SOUTHERN CONVENIENCE CENTERS

REDWOOD FACILITY



SCALE 1"=20'



Planned Improvements



- Expanded Facility Footprint
 - Improved Layout and Access
 - Separation of Service Vehicles

- Additional Services
 - Swap Shop
 - Special Events (e-waste, HHW)
- Improved Site Signage


Planned Amenities



- Covered Canopies
- Permanent Building with Restroom, Internet Access
- Swap Shop

Funding

- In 2023, Durham County was awarded \$18,000 through NC DENR's Community Waste and Reduction Grant to install Swap Shops at the Northern and Redwood Convenience Sites.
- In May 2024, Durham County was awarded \$3.3 million dollars through EPA's Solid Waste Infrastructure for Recycling Grant (SWIFR).



Investing in America through the Bipartisan Infrastructure Law
Solid Waste Infrastructure for Recycling Grants
Community Grant Fact Sheet
Durham County, North Carolina

Selected Grant Recipient
Name: Durham County, NC
Project Title: Convenience for All: Renovation and Re-design of the Redwood Convenience Site in Eastern Durham County

EPA Information
Region: EPA Region 4

Grant Funding: \$3,313,200

Durham County will renovate and re-design the Redwood Convenience Site in eastern Durham County. The Redwood Convenience Site is a drop-off station serving historically disadvantaged neighborhoods in the eastern portion of the county. The site accepts household yard waste, furniture, white goods, textiles, special plastics, metals, and glass. The renovation will add improved sustainability measures, and expand the site's capacity. The project will reduce contamination of recycling stream materials.

SWIFR Grants for Communities
The 2021 Bipartisan Infrastructure Law provides the authority for EPA to support National Recycling Strategy implementation through the SWIFR Grants for Communities.

Highlights

- Redesigns and renovates the Redwood Convenience Site.
- Result in two new jobs.
- Benefits disadvantaged communities.



Cost Increases

- After a competitive bid process, C.T. Wilson Construction Company, Inc was identified as the lowest responsive and responsible bidder with a bid of \$4,781,705.
- Inflation, tariffs, and Build America, Buy America (BABA) requirements have significantly increased the cost of steel, concrete, electrical and manufactured components. Additional revisions required by NCDOT and City-County Planning for site access, stormwater improvements, and driveway reconfiguration also increased cost estimates.
- The Redwood Renovation Project requires an additional \$1,688,697 for completion.

Timeline

- January 2026: Approve Construction Contract
- February 2026: Issue Notice to Proceed to General Contractor
- March 2026: Obtain Permits for Construction
- April 2026: Begin Construction (Divert customers to Parkwood And Northern Sites)
- February 2027: Reopen Redwood Site

Questions?

DURHAM COUNTY REDWOOD CONVENIENCE CENTER

2023



SMITH+GARDNER
ENGINEERS

