

# FOXFIRE VILLAGE

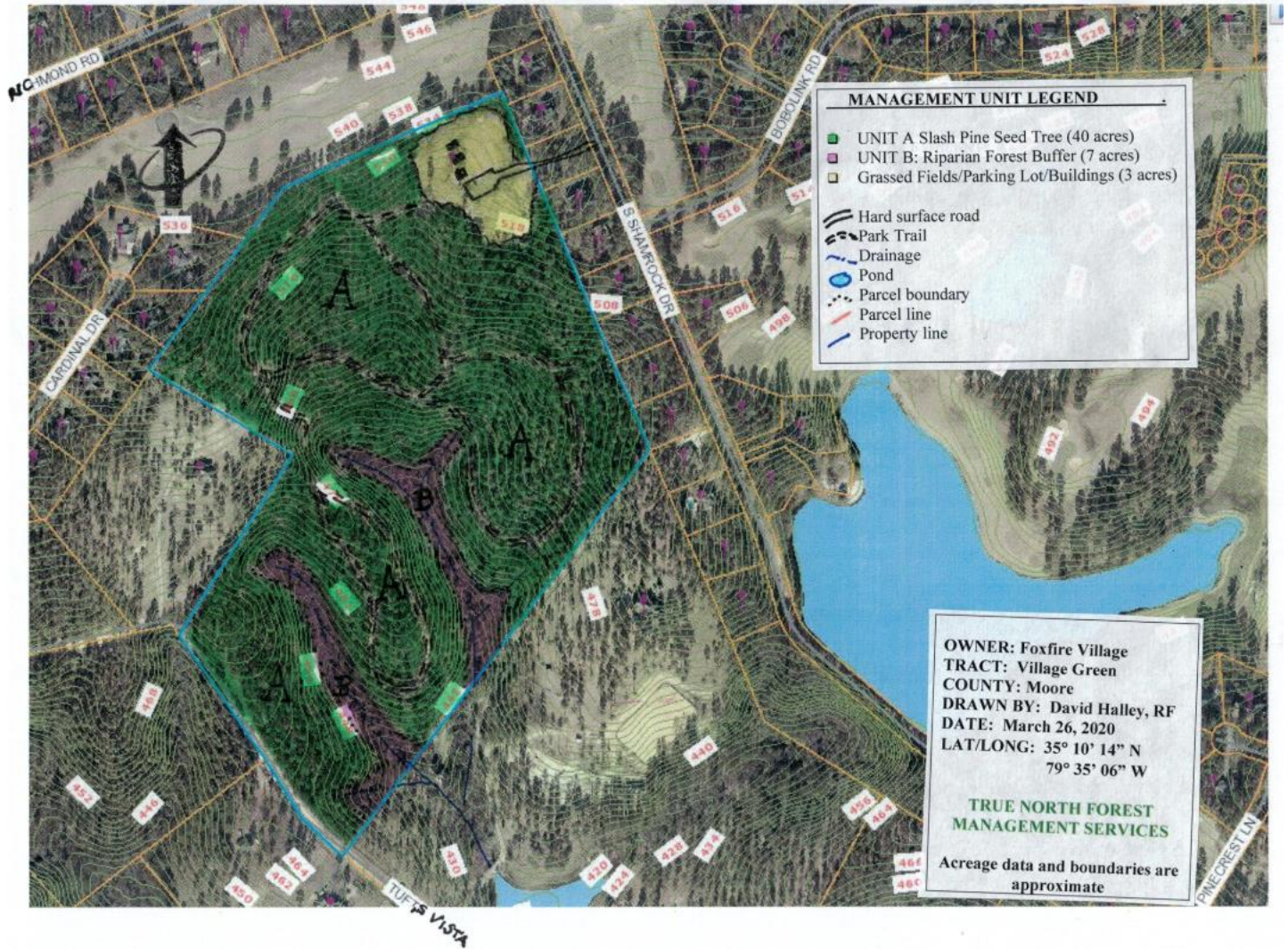
## Green Park

### Longleaf Pine Restoration Project





# Forest Types



## Unit A: Description - 40 acres

- Fifteen to thirty overstory slash pine seed trees per acre: 55- to 60-year-old
- Thicket of 17- to 20-year-old loblolly pine midstory trees
- Understory of scrub oaks, willow oak, sumac, horse sugar, hickory, broom sedge, wiregrass, bracken fern, ink berry, gall berry, cherry, American holly, sassafras, and sourwood.
- No prescribed burning.



# [ Unit A





# [ Unit A



# [ Unit A





# Unit A: Wiregrass!!



# [ Unit A: 40 acres Restoration Recommendations ]

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- Restore to longleaf pine
- Harvest pine midstory for pulpwood and fuel chips
- Leave some mature overstory pine for fuel (needles)
- Herbicide treatment
- Plant longleaf pine
- Start burning



# Foxfire Restoration Accomplishments

- Start with a small area first (“Proof of concept”)
- Select two areas that already have forest trails around them (6 acres).
- Conducted an understory burn (Feb 2021)
- Mulched understory pine and hardwoods (March 2021)
- Herbicide treatment (August 2021)
- Planted longleaf pine (December 2021)

# [ Areas Restored ]





# Longleaf Pine Restoration Costs

- Received grant from US Fish & Wildlife Service and Sandhills Prescribed Burn Association to help with:
  - Prescribed Burning (\$950)
  - Forestry Mulching (\$4,000)
  - Herbicide Spraying (\$950)
  - Longleaf pine tree planting (\$930)
  - Build informational kiosk (\$1,715)
  - Total: \$8,545
    - USFWS paid \$3,800 (44%)
    - Sandhills PBA paid \$925 (11%)
    - Foxfire covered \$3,560 (42%)
    - SPBA covered consulting fees

# [ Before Mulching ]





# Before Mulching





# [ Forestry Mulcher ]





# [ After Mulching ]





# [ After Mulching ]





# [ After Mulching ]





# [ After Mulching ]





# Informational Kiosk





# Informational Kiosk





# [ Scrub oak regrowth ]





# Backpack herbicide treatment





[ Planted containerized longleaf pine in  
December 2021 ]



[ Planted containerized longleaf pine in  
December 2021 ]





# Expected response of wiregrass



## [ Next Steps ]

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- Prescribe burn 6 acres in 2023-24
- Keep loblolly out of stand
- Burn every three years



# [ Burn Young Longeaf ]



# [ Decide what to do next ]

- More Restoration?
- Logging Operation: Whole Tree Chipper—2024-26
- Would generate income
- Follow Up with:
  - Site Prep Herbicide Treatment
  - Plant in longleaf pine
  - Understory Burning (every three years)



# [ Future forest ]



# Future forest





# [ Future forest ]





# [ Long term Vision ]

