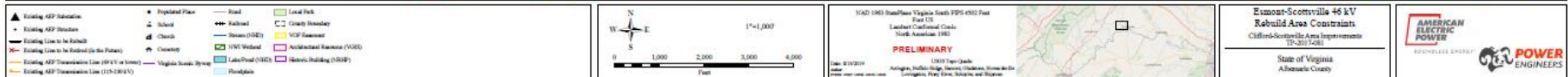
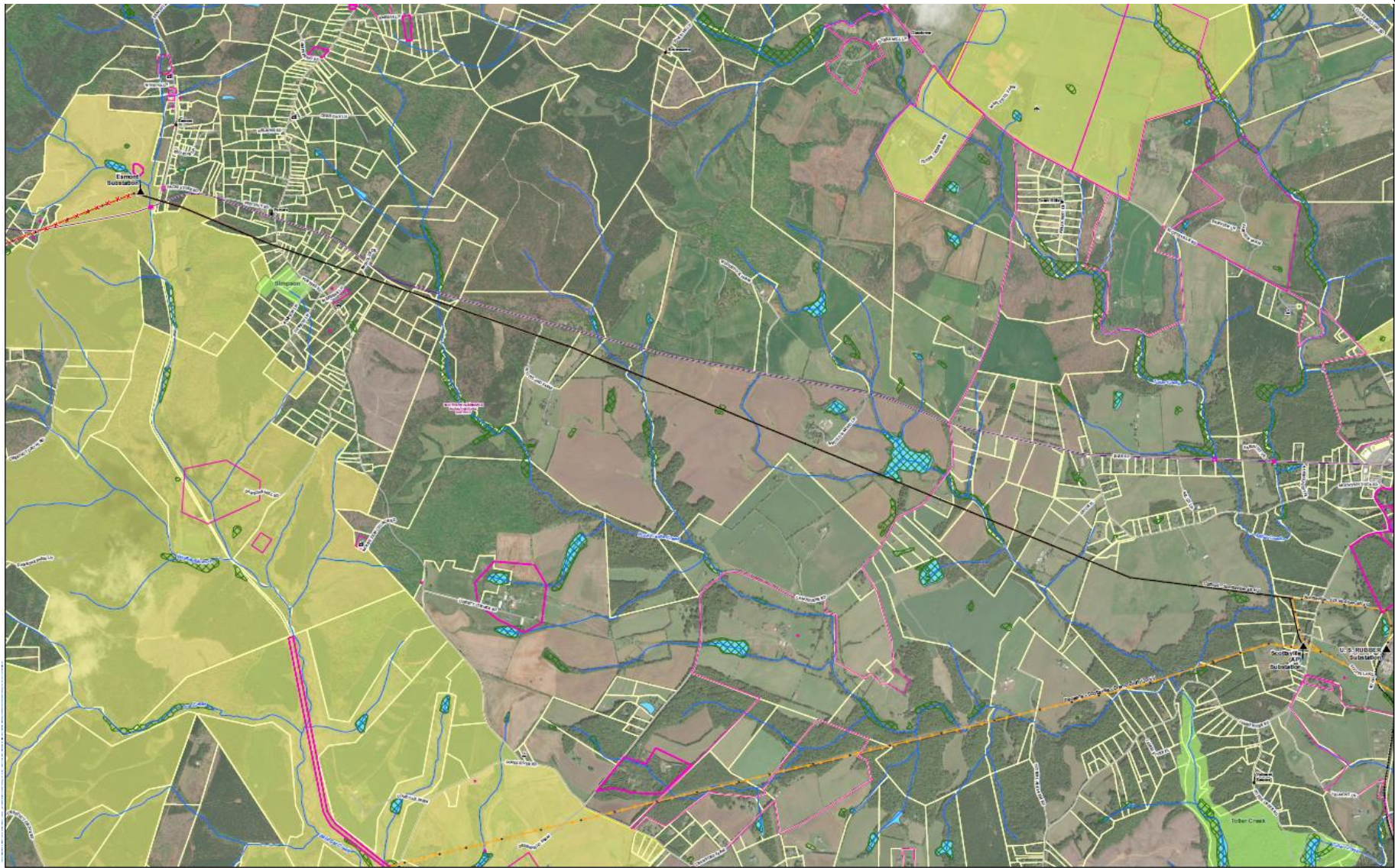


# Project Description

- Rebuild six miles of existing 46 kV transmission line between Esmont and Scottsville substations in Albemarle County.
- Improvements at AEP's existing Scottsville Substation
- Improve approximately six miles of existing distribution line between substations.
- The 46 kV transmission line structures (built in the 1920s) are aging and deteriorating, lack a shield wire for lightning protection and have reached the end of their useful lives.
- **The Company will seek County approval for the line rebuild and station improvements next year (2021).**







	Proposed Centerline		VOF Easement
	Proposed Access Road		Local Park
	Road		Parcel Boundary
	Community Center		Proposed ROW (80')
	Architectural Resource (VGIS)		Existing AEP Transmission Line (To Be Removed)

Porters Road  
Albemarle County, Virginia

0 100 200 300  
Feet

1" = 150'

**Albemarle - Nelson Area  
Improvements Project**  
Esmont-Scottsville 69 kV Line

DATE: 9/14/2020; AUTHOR: dchick; PROJECT: 180207

# Structure Comparison

- The rebuilt transmission line will be similar in character.
  - Existing: 65 Wood H-Frames, approximately 50 to 60-feet tall
  - Proposed: Approximately 62 Steel H-Frames, approx. 15 – 20 feet taller (due to current safety clearance requirements for the shield wire).
  - Structures will generally be located in the same location.





# Right Of Way

- The existing transmission line right-of-way easements allow renewing and improving the existing line.
- The existing right-of-way is 80 feet wide. Supplemental easements might be necessary to address current design standards.

