ECS Southeast, LLC Contract Approval
Grovemont Landslide Mitigation and Restoration

Presented by

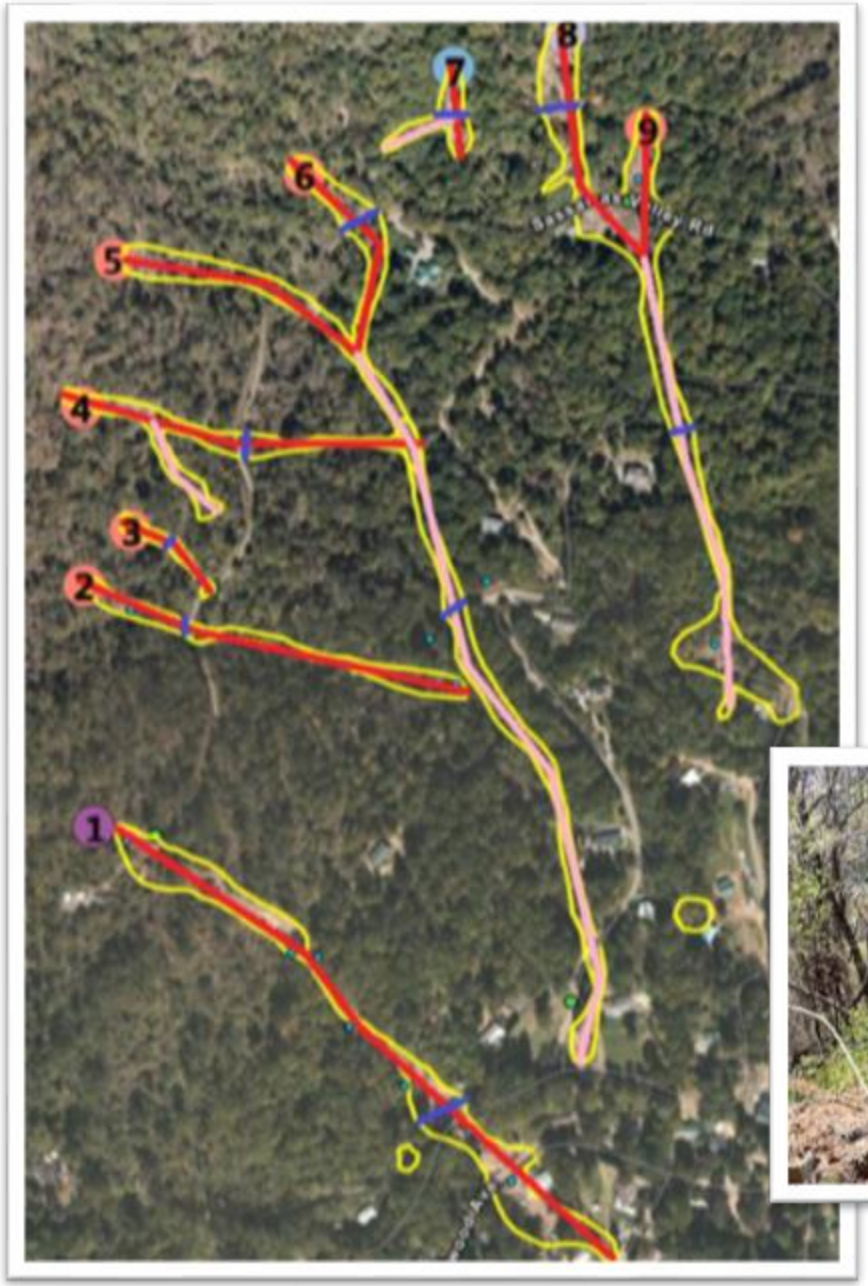
Kevin Madsen, Helene Recovery Officer

Background Information

- Countywide
  - 55 slides initially identified as impacting 2 or more properties
  - 25 met FEMA criteria for Architectural & Engineering (A&E) funding
- Village of Grovemont Landslide
  - Initial case impacting multiple residential properties
  - A&E funds obligated by FEMA Public Assistance
  - Request for Qualifications evaluation completed
- Community Impacts for the Project
  - Assessment of risks and hazards
  - Identification of potential mitigation efforts
  - Design and engineering recommendations



Grovemont Landslide Photo



Grovemont Landslide Information

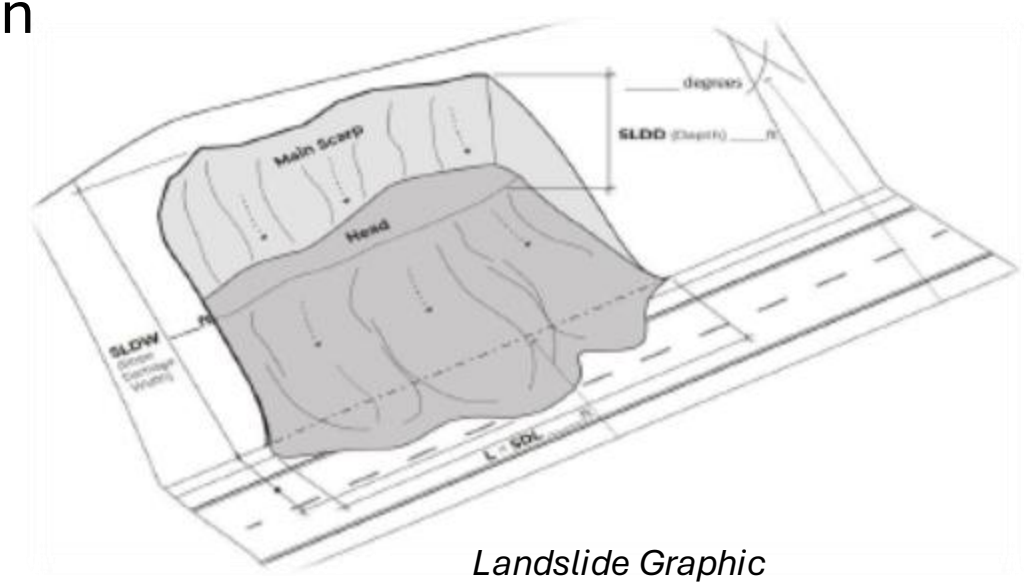
- There are approximately 9 predominant slide areas
- The total length of the nine slides documented is 12,529 feet
- The slide Slope Damage Width (SLDW) varies with a total cumulative width of 6,800 feet with an average width of 755 feet



Grovemont Landslide Photos

Scope of Phase One ECS Contract

- Existing Data Review and Activity Coordination
- Aerial LiDAR Mapping and Surveying
- Field Reconnaissance
- Hazard Modeling and Risk Assessments
- Geotechnical Soils Testing and Analysis
- Mitigation Recommendations Development
- Engineered Design Solutions
- Preliminary Construction Cost Estimates



Landslide Graphic

Estimated Fee - $794,200

Funding Source: FEMA PA Funding

No Buncombe County Funding Required

Estimated Phase One Services Schedule

• Existing Data Review	3 Weeks
• Aerial LiDAR Mapping	5 Weeks
• Field Reconnaissance	5 Weeks
• Hazard Modeling and Risk Assessments	4 Weeks
• Geotechnical Investigations	12 Weeks
• Engineering Designs and Cost Estimating	12-14 Weeks

Estimated total duration for services: 41-43 Weeks

Next Steps

- Project Funds
  - Signed contract shared with North Carolina Emergency Management
  - NCEM will provide 75% of the FEMA obligated funds to Buncombe County
  - The remaining obligated funds will be received at project completion
- Contracted Services
  - ECS will proceed with project in early 2026
  - Project completion within 10 months

Recommended Motion & Requested Action

Approval for the ECS Southeast, LLC Design and Engineering Services for Examining Potential Landslide Hazard Mitigation Options in the Village of Grovement Contract's Execution as Conveyed in the Associated Resolution

End of Presentation