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July 10, 2026

City of Lenoir, North Carolina
Department of Public Works
Jonathan Hogan, Director of Public Works
PO Box

RE: RFQ – Design-Build Services for Lenoir Fire Department Foundation Stabilization

Dear Mr. Jonathan Hogan:

GeoSpecialties LLC is pleased to submit this Statement of Qualifications for design-build services for the Lenoir Fire Department Foundation Stabilization project. We understand that Fire Station #1 is critical public safety infrastructure and that the City needs a technically sound, constructible, and fiscally responsible solution that stabilizes the building and slab-on-grade conditions while preserving the ability to repair or replace the adjacent 42-inch CMP storm drainage system.

Our team is specifically suited for this assignment because we integrate geo-structural engineering, specialty drilling, compaction grouting, micropile underpinning, sinkhole remediation, QA/QC, and construction management under one coordinated design-build team. That integration is important on this project because the final stabilization approach must respond to variable subsurface conditions, the existing building load path, the condition of the storm drainage corridor, and the City's need to keep public safety operations functional during design and construction.

GeoSpecialties will not approach this project as a single predetermined repair. Instead, we will validate the existing Catawba Valley Engineering & Testing data, supplement it where needed, evaluate the foundation and slab performance, develop practical repair alternatives, and work collaboratively with the City to select the stabilization system that best balances performance, risk, schedule, and the available project funding. Based on the RFQ and available information, likely stabilization tools may include compaction grouting, micropile underpinning, localized slab support improvements, storm drainage corridor stabilization, and sinkhole remediation; final quantities and details will be established through the design-build validation process.

We appreciate the opportunity to support the City of Lenoir on this important project and are prepared to mobilize the appropriate engineering and construction resources immediately upon selection.

Respectfully submitted,

GeoSpecialties

Justin Anderson, PE
Justin.anderson@geospecialties.com
c: 859.583.0732

Mike Milton
Mike Milton
mike.milton@geospecialties.com
c: 423.494.0945

Attachments: A – Key Personnel Resumes and Certs
B – Relevant Project Experience

1.1 – Statement of Services

The City of Lenoir is seeking a design-build team capable of stabilizing Fire Station #1 after documented deterioration of subsurface conditions near the existing storm drainage infrastructure and building. GeoSpecialties brings the right combination of engineering judgment, field execution, and emergency stabilization experience to deliver this work under a single accountable team.

City Need	GeoSpecialties Response	Benefit to Lenoir
Integrated design-build delivery	Engineer-led specialty contractor with in-house drilling, grouting, micropile, shotcrete, and sinkhole repair capabilities.	Fewer handoffs, faster decisions, and more constructible design details.
Foundation and slab stabilization	Evaluation-based repair using compaction grouting, underpinning micropiles, slab support, and sinkhole remediation as appropriate.	Permanent stabilization without overcommitting to quantities before final engineering.
Coordination with 42-inch CMP repair	Design sequencing that stabilizes the building first and preserves future storm drainage replacement access.	Reduces risk of rework and protects public investment.
Operational public safety facility	Phased construction, monitoring, vibration controls, utility protection, and site safety planning.	Maintains fire station operations and limits disruption.
Budget stewardship	Cost opinions, VE workshops, and constructability reviews during design.	Aligns repair scope with the City's overall LFD funding constraints.

Why GeoSpecialties

- Single-source delivery: professional engineering, geotechnical construction, drilling, grouting, micropiles, QA/QC, and closeout are coordinated by one accountable design-build team.
- Direct experience with sinkholes, voided ground, municipal emergency stabilization, stormwater-related failures, underpinning, and difficult access construction.
- Technical flexibility: our approach validates the ground model first, then selects the most appropriate repair instead of forcing a predetermined method.
- Field-proven constructability: our engineers work directly with superintendents and drill crews to select means, methods, sequencing, and acceptance criteria that can be built safely and efficiently.
- Public owner mindset: our team understands schedule pressure, cost transparency, documentation, and operational constraints associated with critical municipal facilities.

GeoSpecialties will use a staged design-build process that keeps the City informed, validates assumptions before construction, and allows the final repair to be tailored to actual subsurface conditions and building performance.

Phase 1 - Kickoff, Records Review, and Site Controls

- Review RFQ materials, Catawba Valley Engineering & Testing reports, boring logs, CPT data, geophysical results, storm drainage observations, building condition information, and available utility records.
- Conduct a kickoff meeting with Public Works and Fire Department representatives to confirm operational restrictions, emergency access, work hours, staging, and communication protocols.

- Establish baseline site documentation, including photographs, existing distress mapping, slab/foundation observations, and preliminary settlement monitoring points.

Phase 2 - Supplemental Investigation and Monitoring

- Perform targeted supplemental borings, CPT soundings, test pits, DCP testing, geophysical follow-up, or probe drilling as needed to validate loose/voided zones, unsuitable material, groundwater, and the limits of affected ground.
- Locate utilities and evaluate conflicts with proposed drilling/grouting operations and future CMP repair or replacement.
- Establish precision elevation monitoring, crack gauges where appropriate, vibration monitoring thresholds, and baseline floor-slab/foundation movement data.

Phase 3 - Geo-Structural Evaluation and Alternative Development

- Evaluate shallow foundation performance, slab-on-grade support, subsurface loss mechanisms, and the likely influence of the storm drainage corridor on foundation soils.
- Develop repair alternatives that may include compaction grouting, limited mobility grouting, micropile underpinning, brackets or grade-beam connections, localized slab support, drainage corridor stabilization, sinkhole remediation, and temporary work sequencing.
- Compare alternatives based on technical performance, risk, constructability, schedule, future stormwater repair compatibility, and cost opinions.

Phase 4 - Final Design, Permitting, and Value Engineering

- Prepare sealed geo-structural drawings, specifications, instrumentation requirements, QA/QC criteria, sequencing requirements, and design calculations by properly licensed professionals.
- Coordinate permitting and regulatory approvals required for earthwork, drainage-adjacent construction, erosion control, traffic/site access, and any required building or specialty trade permits.
- Conduct a design-phase value engineering meeting with the City to confirm scope, repair limits, allowances, contingency items, and cost impacts before construction release.

Phase 5 - Construction and Quality Control

- Install approved stabilization systems in a controlled sequence that protects the building, adjacent utilities, and the future storm drainage repair corridor.
- Use real-time field logs for grout volumes, injection pressures, drilling refusal, grout behavior, micropile installation criteria, reinforcement placement, and acceptance testing.
- Implement QA/QC through grout cube testing, load testing where required, survey monitoring, daily reports, photo logs, and engineer review of field conditions.

Phase 6 - Closeout and As-Constructed Documentation

- Submit as-constructed drawings showing actual grout points, micropile locations, depths, quantities, limits of stabilization, field changes, and utility conflicts encountered.
- Provide final QA/QC records, test results, monitoring summaries, engineer closeout letter, and recommendations for future storm drainage replacement coordination.

- Conduct a final walk-through with the City and Fire Department to verify restoration, access, drainage considerations, and remaining maintenance items.

Anticipated Stabilization Concepts to be Validated During Design

- Compaction grouting or low-mobility grouting to densify loose/voided soils, reduce future settlement potential, and improve support below slab and foundation areas where appropriate.
- Micropile underpinning, with brackets, grade beams, or other engineered connections where foundation load transfer must bypass compromised near-surface soils.
- Localized slab-on-grade stabilization, void filling, or replacement where slab support has been lost or where grout improvement alone is not the most reliable repair.
- Stabilization of soils adjacent to the storm drainage corridor so the subsequent CMP repair/replacement can occur without undermining the building.
- Sinkhole throat treatment or inverted filter/backfill repair where discrete sinkhole features are identified and accessible.

Final means, methods, locations, depths, and quantities will be developed after supplemental validation and City review. This protects the City from premature commitments and allows the design-build process to optimize performance and cost.

Risk Management and Operational Controls

Primary Risk	GeoSpecialties Control	Owner Benefit
Continued settlement or void migration	Baseline survey, staged grouting/underpinning, monitoring triggers, engineer review of field response.	Early detection and controlled construction sequence.
Impact to fire station operations	Phased staging, access planning, daily communication, work zones separated from emergency response movements.	Maintains facility function during construction.
Utility and CMP conflicts	Utility locating, potholing, drilling exclusion zones, coordination with future stormwater work.	Reduces damage and rework.
Unknown karst/voided conditions	Probe drilling, flexible repair toolbox, field-fit details, contingency procedures.	Responsive design without schedule paralysis.
Cost growth	Design milestone estimates, VE options, transparent quantities, allowance/contingency tracking.	Improved budget control.

1.2 – Firm and Team Information

GeoSpecialties LLC will serve as the prime design-build entity and will coordinate all engineering, investigation, specialty construction, QA/QC, safety, and closeout services. APS GEO, a wholly owned subsidiary of GeoSpecialties, provides additional geotechnical engineering, field, and materials testing resources. Specialty subconsultants such as surveying, utility locating, laboratory testing, traffic control, erosion control, or restoration subcontractors will be added as needed to support the final scope and North Carolina requirements.

RFQ Requirement	GeoSpecialties Response
Companies and responsibilities	GeoSpecialties LLC - prime design-builder, specialty geotechnical construction, project management, safety, QA/QC, and overall contract responsibility. APS GEO - geotechnical engineering, investigation support, testing, and technical

	review. Surveying, utility locating, and other specialty services will be provided by qualified subconsultants as needed.
Key services	Foundation stabilization, micropile underpinning, compaction grouting, sinkhole remediation, drilling, soil nail and shotcrete stabilization, drainage-adjacent stabilization, constructability review, and as-built documentation.
Office locations	Headquarters: Lexington, Kentucky. Field Operations Yard: LaFollette, Tennessee. Work will be supported by engineering, project management, and field operations personnel assigned specifically to the Lenoir project.
Company size	Approximately 53 full-time staff, including professional engineers, professional geologists, project managers, superintendents, foremen, drillers, operators, laboratory/testing personnel, QA/QC personnel, and safety professionals.
Company history	GeoSpecialties has provided specialty geotechnical construction and stabilization services throughout Appalachia and the surrounding region since 2020, with a focus on emergency stabilization, sinkhole remediation, municipal infrastructure, transportation, and foundation systems.
Current workload and availability	GeoSpecialties operates multiple full-time geotechnical crews and maintains drilling/grouting equipment capable of supporting immediate mobilization. The Lenoir project would be assigned dedicated project management and field leadership for continuous support through design and construction.
Bonding and insurance	Bonding capacity and insurance capability exceed $10 million. GeoSpecialties will provide required performance and payment bonds and insurance certificates in accordance with the RFQ and North Carolina procurement requirements if awarded.
North Carolina licensing	GeoSpecialties understands the requirement for applicable North Carolina licensing for firms and individuals performing the work and meets the requirement with License No. 105523. Final sealed design documents will be prepared or directly supervised by appropriately licensed professionals.
Minority business participation	GeoSpecialties will make good-faith efforts to identify and include qualified North Carolina HUB/MBE/WBE firms for appropriate scopes such as surveying, trucking, erosion control, restoration, materials, and support services, consistent with North Carolina procurement requirements.

1.3 – Proposed Staff and Qualifications

GeoSpecialties proposes an engineer-led design-build team with direct communication between the City, the Engineer of Record, the Project Manager, and field supervision. This structure is intended to reduce design/construction disconnects and allow quick field decisions during drilling, grouting, and underpinning work.

Proposed Team Organization

Authorized Representative / Principal-in-Charge	Justin Anderson, P.E.	Contract authority, executive oversight, design-build accountability
Engineer of Record / Technical Lead	Matt Birchmier, P.E.	Geo-structural design, sealed plans, analysis, alternatives, QA review
Project Manager	Jeff Bonaventura / Clark Parker	Schedule, budget, coordination, RFIs, submittals, City communication
Construction Superintendent / Field Leadership	Jamie Bevard / Tommy Smiddy / assigned	Drilling, grouting, micropile sequencing, field production, safety coordination

	superintendent	
Safety and QA/QC	Safety Director + Project Engineer / QA staff	Site safety plan, monitoring, testing, daily reports, closeout documentation

Key Personnel Narrative

Matt Birchmier, P.E. - Principal-in-Charge / Technical Lead - Matt will provide executive-level accountability and senior technical oversight for the project. His experience includes compaction grouting, micropile underpinning, soil nail walls, Matt stabilization, sinkhole remediation, and design-build geo-structural work. For this project, Justin will guide the initial evaluation, repair alternative development, cost/risk discussions, and final technical approach.
Project Engineer / Engineer of Record - GeoSpecialties / APS GEO - The project engineer will review existing and supplemental geotechnical data, develop calculations and sealed design documents, coordinate with the construction team, establish acceptance criteria, and review field observations during installation. A North Carolina-licensed professional engineer will seal documents as required.
Project Manager - GeoSpecialties - The Project Manager will be the day-to-day single point of contact for the City, responsible for schedule, submittals, procurement, field coordination, cost updates, quality documentation, meeting minutes, and closeout deliverables.
Jamie Bevard - Field Leadership / Grouting and Foundation Stabilization - Jamie brings direct field experience in specialty foundation construction, grouting, sinkhole repair, and emergency stabilization. His role will include field constructability review, equipment planning, grouting sequence input, and daily coordination with drill crews.
Tommy Smiddy - Field Leadership / Micropile and Specialty Stabilization - Tommy provides senior supervision for micropile, drilling, underpinning, and stabilization work. His experience is particularly important for constructability in constrained building-adjacent environments and for adapting means and methods to actual ground conditions.
Safety Director / QA-QC Support - Safety and QA/QC staff will prepare the site-specific safety plan, review excavation/drilling hazards, establish public safety controls, coordinate daily toolbox talks, and compile testing, monitoring, and as-built records.
Attachment A should include resumes, licenses, certifications, OSHA/safety credentials, and project-specific experience summaries for each proposed key person. The body of the SOQ should summarize the team, while Attachment A provides the detailed support.

1.4 – Relevant Project Experience

The projects below demonstrate GeoSpecialties' direct experience with the same technical elements that control the Lenoir project: sinkhole remediation, stormwater-related ground loss, emergency stabilization, design-build delivery, micropiles, grouting, shotcrete/soil nails, sheet piles, and construction adjacent to critical infrastructure.

Project	Owner / Contact	Relevance to Lenoir	Cost / Budget	Delivery
Elizabeth Court Sinkhole Remediation, Gallatin, TN	City of Gallatin Engineering Department; Nick Nuttle, City Engineer;	Municipal sinkhole remediation; excavation to identify sinkhole throat; inverted filter system; geotextile, boulder, stone, structural backfill, and drainage coordination. Demonstrates direct sinkhole repair experience for	$173,725 final / $173,725 initial	Bid-build / General Contractor

	615-451-5965	public owner.		
8703 and 8711 Lynnhall Court Slope Stabilization, Louisville, KY	Louisville Metro Government / NRCS EWP; Edward Meiman III, Emergency Management Director	Emergency design-build stabilization after rainfall and rapid drawdown; soil nail and reinforced shotcrete wall; sheet pile toe/scour protection; supplemental geotechnical investigation and permitting coordination. Demonstrates fast-track public emergency stabilization.	$1,821,620 final; $1,682,475 initial	Design-build Specialty Geotechnical Contractor
Buffalo Trace Slope Stabilization, Frankfort, KY	Buffalo Trace Distillery / ThermalTech Turnkey Solutions; Kyle Lehman, Project Manager; 513-873-8667	Major landslide stabilization along Kentucky River; micropiles, soil nails, reinforced shotcrete, drainage systems, scour protection, deadman anchors, drilled shafts, and phased stabilization as conditions evolved. Demonstrates flexible specialty stabilization toolbox.	Undisclosed project value / over $1M;	Design-build Specialty Geotechnical Contractor
New Richmond Wall Design-Build, New Richmond, OH	Village of New Richmond / Liberty Landing Development	Design-build riverbank stabilization in constrained public corridor; sheet pile wall, tieback anchors, concrete waler, cellular concrete backfill, utility/access constraints. Demonstrates design-build delivery adjacent to infrastructure and public access.	$1,894,567 final; $1,894,567 initial	Design-build Specialty Geotechnical Contractor

Past Performance Themes Relevant to the City

- Municipal & public-sector: experience coordinating with city representatives, emergency management, federal program requirements, and public infrastructure constraints.
- Design-build responsiveness: ability to use supplemental investigations and field observations to refine final designs as conditions are confirmed.
- Complex stabilization systems: practical field experience with micropiles, compaction grouting, soil nails, shotcrete, drainage, sheet piles, tiebacks, and sinkhole remediation.
- Constrained sites: experience maintaining access and working near structures, utilities, waterways, roads, and occupied facilities.
- Documentation: daily field reports, logs, testing, monitoring, and as-constructed drawings for public-owner closeout.

1.5 – Litigation and Safety Disclosures

GeoSpecialties response includes zero litigation history related to design or construction projects with the past five years. GeoSpecialties maintains an Experience Modification Rate (EMR) below 1.0 and has recorded zero lost-time incidents in the past three years.

A – Key Personnel Resumes & Certs

PROJECT TEAM

GeoSpecialties and APS GEO leadership team provides **more than 350 years of combined experience** in geotechnical engineering, engineering geology, construction materials testing, drilling, and specialty geotechnical construction. This depth of experience allows the department to access senior technical expertise, experienced project managers, and seasoned field personnel capable of supporting both routine task orders and emergency geohazard response assignments.

Certification	Count
ASA Certified Shotcrete Nozzleman	12
OSHA 30	13
OSHA 10	7
CPR / First Aid	13
CDL Licensed	4
Forklift Certified	5
Lean Six Sigma Green Belt	1
Professional Engineer (Multi-State)	3
Professional Geologist	6
MSHA Part 48	1
Rope Access Technician	6

Justin Anderson, P.E. | President / Principal Engineer

Education: Master of Science, Civil Engineering, University of Kentucky, 2006
Bachelor of Science, Civil Engineering, University of Kentucky, 2005
Licenses: Professional Engineer (KY, IN, OH, TN, VA, MN, TX, NE, IA)

Professional Summary: Justin Anderson is the Founder and Principal Engineer of GeoSpecialties with more than 20 years of experience in geotechnical engineering and slope stabilization. He has led over 1,000 geohazard repair projects, including award-winning work for state DOTs and Class I railroads. A licensed Professional Engineer in multiple states and a patent holder, he provides technical leadership and develops innovative solutions that improve the safety, efficiency, and performance of geotechnical stabilization projects.

Key Capabilities & Expertise

- Design and engineering oversight for multi-million-dollar stabilization projects, including design-build delivery.
- Licensed PE with experience across state DOTs, railroads, and municipal infrastructure.
- Specializes in subgrade stabilization and specialty grouting.
- Proven leader with deep understanding of field operations, traffic management, and QA/QC processes.

Awards & Recognition

- ENR Regional Best Project – Renovation/Restoration: *Lexington Historic Courthouse* (Structural stabilization & temporary works support role).
- NRC Award: *Mankato Landslide Stabilization, Union Pacific Railroad (Mankato, MN)* Implemented a three-tier soil-nail and shotcrete wall protecting the Union Pacific mainline and adjacent cemetery. Project completed on time and received the National Railroad Construction (NRC) Award for Excellence.

Certifications & Licenses

- PE Licenses – TN, KY, IN, OH, VA, MN, TX, NE, IA
- OSHA 30

- FEMA Disaster Recovery Training
- CPR / First Aid
- Tennessee Contractor's License – Specialty Construction

Matt Birchmier, P.E. | Chief Operating Officer / Senior Engineer

Education: Master of Science, Geotechnical Engineering, Iowa State University
Bachelor of Science, Civil Engineering, Iowa State University
Licenses: PE (KY plus 25 States)
Professional Summary: Matt Birchmier brings over two decades of experience leading engineering and operations for complex geotechnical projects. He specializes in **soil nailing, deep foundations, micropile design, and rockfall stabilization**, with extensive experience managing multi-state contracts and high-volume stabilization programs. Matt ensures operational excellence across all GeoSpecialties crews, providing direct oversight for project scheduling, safety compliance, and resource management.
Key Capabilities & Expertise

- Multi-state PE licenses supporting broad DOT and federal project work.
- Skilled in **large-scale soil nail wall and micropile system design and execution**.
- Expert in traffic management planning and environmental permitting.
- Lean Six Sigma Green Belt – focused on operational efficiency and continuous improvement.

Certifications & Licenses

- PE Licenses – 25 States
- Lean Six Sigma Green Belt
- OSHA 30
- CPR / First Aid

Education: Bachelor of Science & Master of Science; Civil Engineering – Iowa State University

Clark Parker, P.E. | Senior Geotechnical Engineer / Project Manager

Role: Lead Engineer – Stabilization Systems
Education: Bachelor of Science, Civil Engineering, Western Kentucky University (2018)
Employment: 2025 - Present
PE Licensure: Indiana, Kentucky (#38437) and Wisconsin
Professional Summary: Clark Parker is a licensed Professional Engineer with more than six years of experience in geotechnical stabilization and design-build delivery. He has completed over 300 projects involving slope stabilization, landslide repair, shoring, and deep foundations for DOTs and municipalities across Indiana, Kentucky, and Tennessee. His expertise combines practical engineering design with field execution to deliver safe, constructible, and cost-effective solutions.
Certifications & Licenses

- Licensed Professional Engineer – Indiana, Kentucky & Wisconsin
- OSHA 10
- Louisville MSD EPSC Certification

Noel Philippon | Operations Manager – Rockfall & Specialty Stabilization

Professional Summary: Noel Philippon is a nationally recognized leader in rockfall mitigation and geohazard response, with more than three decades of experience overseeing complex stabilization projects across the United States. He specializes in rock scaling, anchored mesh systems, and emergency slide response. Noel has managed **hundreds** of high-risk projects for DOTs, railroads, and federal agencies, including the **I-75 Rockfall Emergency Response** and large-scale planned rockfall programs.

Certifications

- ASA Certified Shotcrete Nozzleman – Supervisory Level
- OSHA 30 – Construction Safety
- Rope Access Level II Certified
- CPR / First Aid
- MSHA Part 48 – Mine Safety

Jeff Bonaventura | Project Manager

Education: Bachelor of Science, Civil Engineering, Fairmont State University (2008)

Professional Summary: Jeff Bonaventura has nearly 20 years of experience managing large-scale slope stabilization projects, including soil nailing, retaining walls, and compaction grouting in active roadway environments. He has completed over 230 projects for the West Virginia Department of Highways and is skilled at coordinating multi-crew operations to deliver work on time and on budget.

Certifications

- OSHA 30
- Safeland Oil & Gas Safety
- CPR / First Aid

Tommy Smiddy | Senior General Superintendent

Professional Summary: Tommy Smiddy is a senior field leader with more than 35 years of experience in geotechnical construction, specializing in driven piles, retaining walls, and deep foundation systems. He has supervised some of GeoSpecialties' largest stabilization projects for DOTs, railroads, and municipalities, providing expert leadership in complex and emergency field conditions while ensuring safe and efficient project execution.

Key Qualifications and Contributions:

- Over **1,000 stabilization** projects constructed including soil nail, rock bolt, compaction grout, slurry grout, driven piles, shotcrete and micropiles.
- Deep foundation construction, including driven rail steel, drilled rail systems, and large-diameter piles.
- Retaining wall design-build execution for large-scale embankment repairs.
- Skilled traffic control and logistics planning for simultaneous multi-crew deployments.
- Integration of stabilization and earth retention systems and grouting methods for comprehensive stabilization.
- Mentorship and training of field crews to meet ASA and OSHA safety standards.

Casey Prine | General Superintendent

Education: Jelico High School, 2008

Professional Summary: Casey Prine is an experienced superintendent who oversees multiple stabilization crews and has installed more than 10,000 soil nails and rock bolts, managed over 1,000 micropiles, and completed dozens of DOT stabilization projects. He is recognized for leading high-pressure field operations while maintaining exceptional safety and quality standards.

Key Capabilities & Expertise

- Over 200 stabilization projects constructed including soil nail, rock bolt, compaction grout, slurry grout, driven piles, shotcrete and micropiles.
- Stamped and architectural concrete
- Skilled traffic control and logistics planning for simultaneous multi-crew deployments.
- Integration of rail steel systems with soil nail walls and shotcrete facing for comprehensive stabilization.
- Mentorship and training of field crews to meet ASA and OSHA safety standards.

Certifications

- ASA Certified Shotcrete Nozzleman
- OSHA 10 & 30
- CDL Licensed
- Forklift Certified
- CPR / First Aid

Key Qualifications and Contributions:

- Proven expertise in **top-down stabilization techniques**, allowing for continuous traffic flow on active roadway projects.
- Leadership in QA/QC testing for soil nails, shotcrete strength, and drainage systems.
- Experienced with **environmentally sensitive sites**, ensuring compliance with DOT and state permitting requirements.

James (Jamie) Bevard | Superintendent / Lead Driller

Professional Summary: Jamie Bevard is one of GeoSpecialties' most experienced drillers, specializing in cased drilling and anchor installation for soil nail walls, micropiles, and DCP anchors along with many years of compaction and slurry grouting. With over 20 years of expertise specializing in geotechnical and environmental drilling, Jamie ensures safety with aggressive production rates and precision installation and high QA/QC compliance.

Key Capabilities & Expertise

- Over 500 stabilization projects constructed including soil nail, rock bolt, compaction grout, slurry grout, driven piles, shotcrete and micropiles.
- Extensive experience in deep foundations such as cased micropiles and specialty grouting such as compaction grouting.

Certifications

- ASA Certified Shotcrete Nozzleman
- OSHA 30
- CPR / First Aid

B – Relevant Project Experience

GEO240028
Elizabeth Court Sinkhole Remediation

Gallatin, TN

Client:
City of Gallatin

Total Project Construction Cost:
$173,725

Date(s) Work Performed:
October 2024

Key Personnel:
- Justin Anderson, P.E. – Engineer of Record
- James Brevard

Worked Performed As:
General Contractor

Project Overview:

GeoSpecialties performed sinkhole remediation in Gallatin, TN, using the inverted filter method. The work included 1,200 CY of excavation, installation of boulders and geotextile fabric, and placement of compacted stone, backfill, and drainage elements to restore the site to the required subgrade elevation.

Scope of Work:

Key components of the work included:

- Remediation of a sinkhole using the inverted filter method at a single location in Gallatin, Tennessee.
- Excavation of approximately 1,200 CY to expose the sinkhole throat.
- Identification and exposure of a sinkhole throat approximately 6 feet in diameter.
- Placement of approximately 125 tons of boulders and over 1,000 SY of geotextile fabric along the excavation sidewalls and across the base to establish the inverted filter system.
- Installation of approximately 275 tons of compacted stone and 300 CY of structural backfill, placed in coordination with drainage elements, to restore the area to the required subgrade elevation.





GEO250013
8703 and 8711 Lynnhall Court Slope Stabilization

Louisville, KY

Client:
Louisville Metro Government / NRCS Emergency Watershed Protection Program

Total Project Construction Cost:
$1,821,620

Date(s) Work Performed:
2025

Key Personnel:

- Brian Miller - Sr. General Super
- Tommy Smiddy - Sr. General Super
- Jessee Ricker – Superintendent
- Thomas Hylton – Foreman

Engineer of Record:
Justin Anderson, PE

Worked Performed As:
Design-Build Specialty Geotechnical Contractor

Description of Work Performed:

GeoSpecialties provided design-build services for the emergency stabilization of a major landslide along the bluff above Harrods Creek at 8703 and 8711 Lynnhall Court in Louisville, KY. The failure occurred after extreme rainfall, elevated creek levels, and rapid drawdown conditions caused instability along the saturated slope, threatening nearby residential homes.

To restore long-term stability and protect the structures above, GeoSpecialties designed and constructed an integrated stabilization system consisting of a soil nail wall with reinforced shotcrete facing along the upper slope and a driven sheet pile wall at the creek bank to provide toe support and scour protection. The systems were structurally connected to create a continuous stabilization solution from the creek bank to the residential grade.

The project was completed under the NRCS Emergency Watershed Protection (EWP) program and included coordination with Louisville Metro Government, federal permitting agencies, and supplemental geotechnical investigations to confirm subsurface conditions and refine the final design.











GEO250013
Buffalo Trace Slope Stabilization

Frankfort, KY

Client:
Buffalo Trace Distillery

Date(s) Work Performed:
2025

Key Personnel:

- Clark Parker - Project Engineer
- Zach Harmon - Foreman
- Thomas Hylton - Foreman
- Casey Prine -General Superintendent

Engineer of Record:
Justin Anderson, PE

Worked Performed As:
Design-Build Specialty Geotechnical Contractor

Project Overview:

- GeoSpecialties completed emergency slope stabilization along the Kentucky River after a major landslide impacted the rear of the Buffalo Trace facility. The 200-foot-long failure area required a permanent stabilization solution that included micropiles, soil nails, reinforced shotcrete, drainage systems, scour protection, and the largest A-Wall ever constructed—a 25-foot-tall by 200-foot-long system.
- Additional stabilization measures were implemented as site conditions evolved, including deadman anchors and drilled shafts. Following completion, GeoSpecialties also installed concrete flatwork and paving to create a finished courtyard space for the facility. The completed system provides long-term slope stability while protecting critical infrastructure and utilities along the river.









GEO250015 – New Richmond Wall Design-Buil

New Richmond, OH

Client:
Village of New Richmond / Liberty Landing Developmen

Total Project Construction Cost:
$1,894,567

Date(s) Work Performed:
2025

Key Personnel:
- Noel Philippon
- Tommy Smiddy -General Superintendent

Engineer of Record:
Matt Williams, PE

Worked Performed As:
Design-Build Specialty Geotechnical Contractor

Project Overview:

GeoSpecialties served as the design-build specialty contractor for the stabilization of the Ohio River riverbank along Front Street in New Richmond, Ohio. The project was completed to facilitate the redevelopment of the Liberty Landing area, including improvements to the riverfront boardwalk and public access to the waterfront.

The work included the design and construction of an approximately 387-foot-long permanent sheet pile retaining wall system installed along the riverbank to stabilize the slope and support the roadway and new boardwalk infrastructure above. The wall system consisted of PZC18 sheet piles installed up to approximately 45 feet in depth, supported by a row of tieback anchors extending up to 50 feet into the hillside behind the wall.

GeoSpecialties also installed a 24-inch by 30-inch reinforced concrete waler along the length of the wall to distribute anchor loads across the sheet piles and provide long-term structural durability. The area behind the wall was backfilled using lightweight cellular concrete to reduce lateral loads and improve the long-term performance of the riverbank stabilization system. Construction was performed in a constrained urban riverfront environment adjacent to active roadways, utilities, and historic downtown structures while maintaining access along the riverfront corridor.





CNY315 Cocke County I-40 Slope Stabilization

Cocke County, Tennessee



Client:
Tennessee Department of Transportation (TDOT)

Completion Date:
2025 - 2026

Total Project Construction Cost:
$12,438,608

Work Was Proformed As:
Specialty Geotechnical Subcontractor

Key Personnel:

- Justin Anderson, P.E. – Engineer of Record
- Casey Prine
- Noel Phillippon
- Clark Parker
- Jeff Bonaventura
- Zach Harmon
- Jesse Ricker
- Tommy Smiddy
- Michael Bevard

Project Overview:

GeoSpecialties provided specialty geotechnical construction services for slope stabilization along Interstate 40 in Cocke County, Tennessee, addressing three active slope failure areas near mile markers 450.7, 451.0, and 451.6. The project included the design and construction of soil nail "A" walls with reinforced shotcrete facing, installation of approximately 140,000 linear feet of soil nails, and secondary wall facing systems to restore long-term slope stability. At the most critical location, GeoSpecialties also installed rock anchors, rock bolts, and pinned draped mesh to stabilize exposed rock faces and protect motorists from potential rockfall. Completed alongside an active interstate, the project showcased GeoSpecialties' expertise in complex geotechnical stabilization, specialized drilling, and safe execution in challenging transportation environments.

Scope of Work:

- Designed and constructed soil nail "A" walls with reinforced shotcrete facing.
- Installed approximately 140,000 LF of soil nails at three slope stabilization sites.
- Constructed secondary wall facing systems.
- Installed rock anchors, rock bolts, and pinned draped mesh for rockfall protection.
- Performed staged excavation using specialized geotechnical drilling equipment.
- Coordinated construction within an active interstate corridor while maintaining safe operations.