



# ENGINEERING SERVICES STATEMENT OF QUALIFICATIONS

## 2025 DIMP GAS DISTRIBUTION SYSTEM IMPROVEMENTS RFQ 25-59

OCTOBER 14, 2025



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October 14, 2025

Mr. Cleve Haddock, CLGPO  
Greenville Utilities Commission  
Procurement Manager, Purchasing Department  
PO Box 1847  
Greenville, NC 27835-1845

**Re: Request for Qualifications for Engineering Services for 2025 DIMP Gas Distribution System Improvements**

Dear Mr. Haddock,

Rummel, Klepper & Kahl, LLP (RK&K) is pleased to submit our Statement of Qualifications in response to the referenced Request for Qualifications. RK&K has been providing similar natural gas design, engineering, permitting, and bidding services to the Greenville Utilities Commission (GUC) on various projects for nearly 30 years. Members of our project team have worked together on numerous GUC natural gas projects and understand the GUC's project requirements and the requirements of local jurisdictional authorities concerning permitting, encroachments, and traffic control.

RK&K will manage the project out of our Richmond, Virginia office with support from our Charlotte, North Carolina office. Mr. Brian Hahn, who has over 36 years of experience with similar projects, will lead our team through the evaluation, design, and construction preparation phases of the project. He will be supported by Mr. Carl Vivello, P.E., who will provide quality assurance and quality control, offering over 40 years of experience in the natural gas industry. This level of experience, combined with our breadth and depth of staff, provides the RK&K team with the capability of responding successfully to GUC on this project.

Thank you for considering RK&K and we look forward to the opportunity to provide professional engineering services once again to the GUC. If you have any questions regarding our Statement of Qualifications, please feel free to contact me at 804.782.1903 or [cvivello@rkk.com](mailto:cvivello@rkk.com).

Sincerely,

**RUMMEL, KLEPPER & KAHL, LLP**



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Carl Vivello, PE  
Senior Project Delivery Leader  
Energy & Corrosion Division

## HISTORY OF FIRM



**RESPONSIVE PEOPLE  
CREATIVE SOLUTIONS**

## Our cornerstones have empowered us to deliver exceptional results to our clients for a century.

Richard Charles Sandlass & George Arnold Wieman opened “Sandlass & Wieman Consulting Structural Engineers” in Baltimore, Maryland in 1923. Edward “Ed” Frank Rummel, Howard Schaefer Klepper and William “Bill” Kahl had all joined the firm by 1947. The firm enjoyed steady growth over the years and evolved to become **Rummel, Klepper and Kahl** in 1951. Now known as **RK&K**, our success is rooted in the culture and values enacted by those early leaders.

The first North Carolina office was opened in 1964, and the first gas division was established in 1992. RK&K’s natural gas team provides services for all phases of a project from planning and design through construction. Active participation in the industry and industry associations allows RK&K to stay current with changing procedures, technology and equipment, including site monitoring, required site checks, inspections, surveys, engineering design, installation, repair and reporting.

RK&K is an industry leader in natural gas engineering, corrosion protection, subsurface utility engineering, and utility coordination and relocation. RK&K provides services for an array of federal, state, corporate and local clients. Our clients, both public and private sector, consistently turn to RK&K to solve their most complex and challenging utility / energy projects.

### Our firm-wide professional services include:

- Natural Gas, Petroleum & Pipeline Engineering
- Corrosion & AC Mitigation Engineering
- Natural Gas Engineering
- Corrosion Engineering
- Trenchless Engineering
- Geographic Information Systems (GIS)
- Environmental Engineering
- Water Resources Engineering
- Construction Management & Inspection
- Structural Engineering
- Transportation Engineering
- Traffic Engineering
- Transit / Rail Engineering
- Land and Site Development
- Planning
- Cultural Resources
- Natural Resources
- Hazardous Waste
- Energy Management
- Urban Planning and Design

**RK&K is ranked 76th in ENR’s Top 500 Design Firms of 2025 and 20th in Trenchless Technology’s Top 50 Trenchless Engineering Firms of 2024.**



# PROJECT UNDERSTANDING



## PROJECT UNDERSTANDING

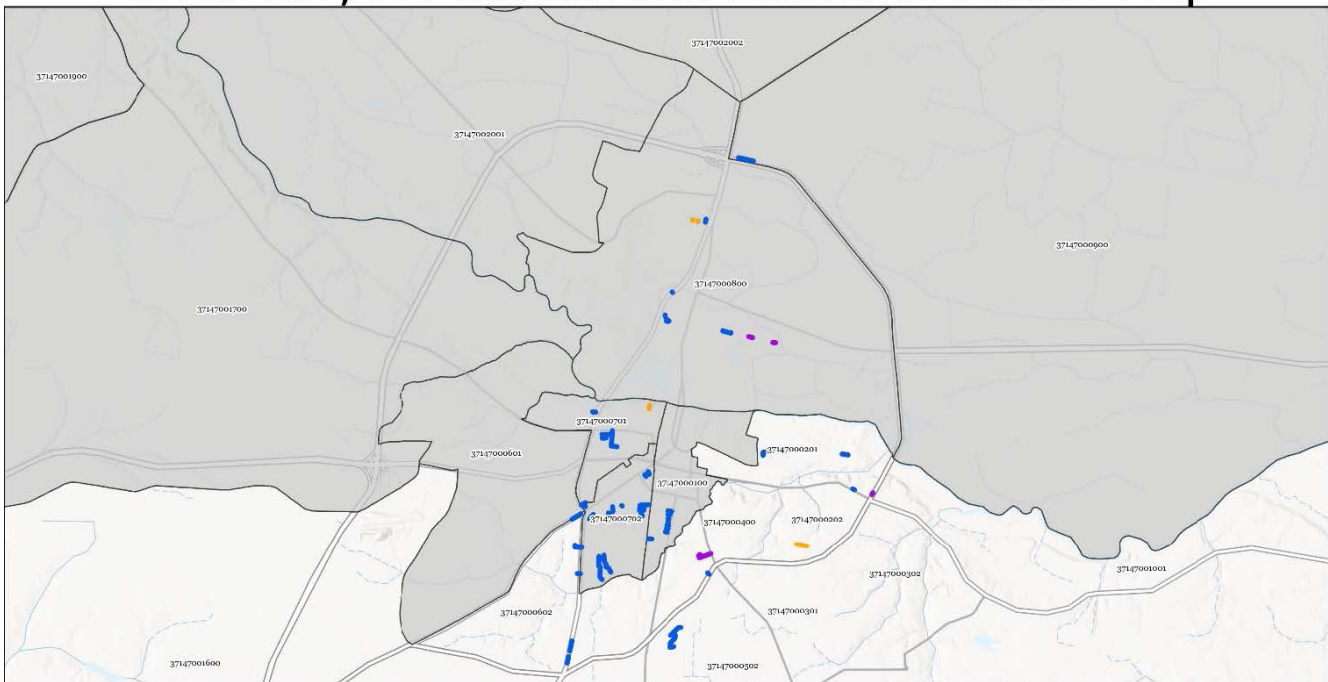
RK&K has reviewed the Request for Qualifications for Engineering Services for the 2025 DIMP Gas Distribution System Improvements Project. The project requires the removal of steel mains and vintage polyethylene gas mains connected with Dresser couplings. The scope of work involves the preparation of construction drawings for 3.23 miles of gas main, in addition to steel and polyvinyl chloride services. RK&K will provide all labor and material to produce construction drawings in accordance with GUC's project specifications.

### **We will provide the following services to meet and exceed GUC's project goal:**

- Prepare base maps for the development of pipeline alignment drawings. The base maps will be developed using GPS and shall capture all planimetric features within the project corridor. Items obtained during field reconnaissance but not limited to any utility paint markings, buildings, addresses, edge of pavement, utility poles, valve boxes, manholes, drainage structures, and all surface features visible in the field. Base maps will be augmented by any GIS or paper copy information provided by facility owners to adjust the accuracy of the base maps. If a Quality Level B or higher is required, it is assumed the GUC will assist in locating facilities where profiles are desired.
- Develop construction drawings which will depict the proposed gas main alignments and will include information provided by the GUC such as design parameters, material specifications, pipe diameter and valve locations. The construction drawings will incorporate all requirements of the PHMSA Categorical Exclusion Documentation, as it is made available to the GUC. Based on our understanding of the project, there will be approximately 41 separate construction locations.
- Develop typical details for the 185 customer service line replacements and incorporate the GUC service cards in the design package.
- Other features within the construction drawing package include a comprehensive bill of material, gas main connection and trench details, profiles in areas where required, erosion control and traffic plans.
- Provide an estimated construction cost to include materials and labor, permitting costs and any other additional cost required for the construction of the gas main to use in the evaluation of construction bids.

- Prepare and submit North Carolina Department of Transportation encroachment permit applications and required drawings. According to the question and answers received on October 1, 2025, the GUC does not anticipate any environmental permitting, railroad permitting or preparation of easement exhibits within the project corridor.
- Prepare specifications and other documents to comprise a construction bid packages, including all front end contract documents which follow the North Carolina contract bidding requirements and assist GUC with responsibilities that may be associated with customary municipal project bidding procedures. The documents in the construction bid package will incorporate all requirements of the PHMSA Categorical Exclusion Documentation, as it is available to the GUC.
- Provide qualified personnel for construction inspection, conflict resolution, data collection, preparing record drawings and assisting in any required grant administration.

## Greenville, NC Climate and Economic Justice Map



Census Tract	Climate Change	Energy	Health	Housing	Legacy Pollution	Transportation	Water and Wastewater	Workforce Development
Tract: 37147000601	YES	NO	YES	NO	NO	NO	NO	NO
Tract: 37147000701	NO	YES	YES	YES	NO	NO	YES	YES
Tract: 37147000702	NO	NO	YES	NO	NO	NO	YES	YES
Tract: 37147000100	NO	NO	NO	NO	NO	NO	NO	YES
Tract: 37147000800	YES	YES	YES	NO	NO	NO	NO	YES



Greenville Utilities Commission  
PHMSA Grant 2024

Disadvantaged Areas  
Mains to be Replaced  
plastic  
pvc  
steel

# RK&K

## STATEMENT OF PROFESSIONAL QUALIFICATIONS

### SPECIALIZED EXPERIENCE

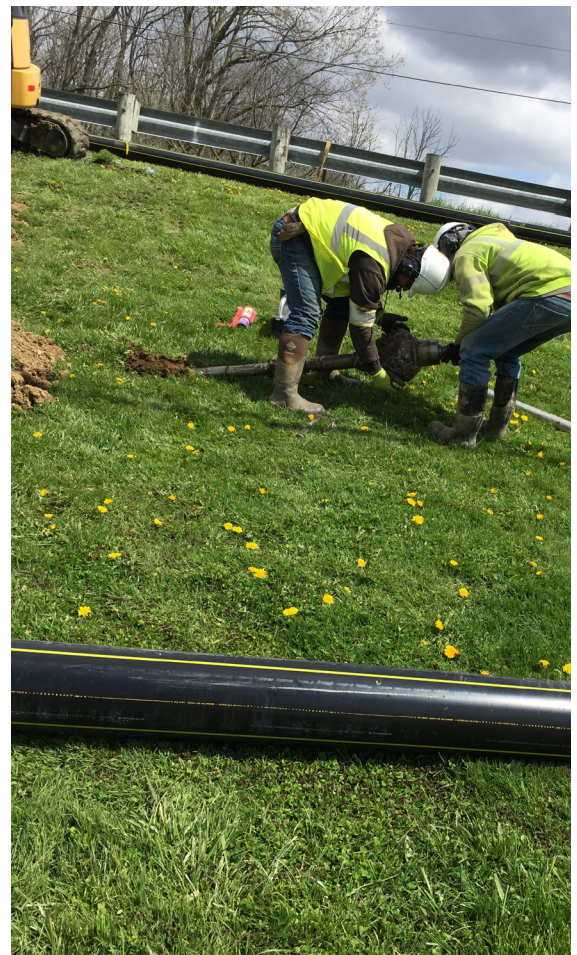
RK&K provides a full range of services related to natural gas distribution engineering, system analysis, feasibility studies, design, and construction inspection and administration. Our distribution system engineering services normally include project property and utility records research; pipe sizing and materials selection; corrosion control; route selection; surveying; developing base plans in CAD; conflict resolution; permit and encroachment development, administration, and acquisition; development of preliminary and final construction plans, specifications and bid documents. Designs include conventional construction, trenchless construction, bridge mounted pipeline crossings, horizontal directional drilling, cathodic protection, traffic control, and erosion and sedimentation control measures. RK&K provides full detail design; archaeological, geotechnical, habitat, and environmental site assessments; subsurface utility location through electronic surface location and test pits; preparation of easement and property acquisition surveys and documentation; and development of construction cost estimates. Our design services include utilization of state-of-the-art software for finite element analyses, pipe sizing, digital modeling of existing and proposed facilities, subsurface loading determination, structural analysis, and directional drill design. We are able to support a variety of client 2-D and 3-D CAD platforms.

**Pipeline Drilling Services:** RK&K has performed various drilling services for clients across the country including numerous HDD and Auger Bore projects for our clients. Over the last 15 years the firm has completed more than five hundred HDD and Auger Bore projects ranging from water, road, and railroad crossings over 7,000 feet in length. RK&K's staff is experienced in all phases of pipeline assessment, design, permitting, construction management, and inspection. RK&K's staff provides a practical approach to the feasibility, design, and construction of HDD installations. The engineering services offered by the RK&K include technical and economic feasibility assessments, production of detailed reports, geotechnical assessments, designs, specifications and drawings, engineering support for contractors, and construction management/inspection for HDD projects. We provide full-service Auger Bore and HDD engineering to our clients throughout the United States. The services that we provide our clients fall into two general categories: Engineering and Design and Construction Management. RK&K's engineers are experienced in developing designs that incorporate features to mitigate risks and ensure successful installations. Our designs include analysis of product pipe stress, surface settlement and heave, and borehole stability, including detailed analysis

of the risk of inadvertent returns or frac-out. During the construction phase RK&K provides our clients with on-site inspection and support services. Services include observing the drilling contractor's operational parameters such as fluid pressures, pullback force and fluid return volumes as well independently verifying the completed drill path.

**Natural Gas Distribution Systems:** RK&K provides a full range of services related to natural gas distribution engineering, system analysis, feasibility studies, design, bid services, and construction inspection and administration. Our distribution system engineering services normally include project property and utility records research; pipe sizing and materials selection; route selection; surveying; developing base plans in CAD; conflict resolution; permit and encroachment development, administration, and acquisition; development of preliminary and final construction plans, specifications and bid documents. Designs include conventional construction, trenchless construction, bridge mounted pipeline crossings, horizontal directional drilling, cathodic protection, traffic control, and erosion and sedimentation control measures. RK&K provides full detail design; archaeological, geotechnical, habitat, and environmental site assessments; subsurface utility location through electronic surface location and test pits; preparation of easement and property acquisition surveys and documentation; and development of construction cost estimates. Our design services include utilization of state-of-the-art software for finite element analyses, pipe sizing, existing and proposed facilities digital modeling, subsurface loading determination, structural analysis, and directional drill design.

**Construction Services:** RK&K also provides construction management and inspection services for natural gas transmission, distribution, petroleum, and pipeline projects. Several members of our engineering staff have managed the construction of projects of significant magnitude and complexity, and we maintain within the division a small permanent staff of trained and experienced construction inspectors. The Division supplements its in-house inspection staff with personnel from RK&K's Construction Engineering Department or on rare occasions utilizes contract staffing experienced and qualified in the project requirements. The scope of work will be discussed with GUC prior to commencing design efforts based upon the specific requirements and proposed construction methods for GUC projects.



## UNIQUE ADVANTAGE OF RK&K

RK&K is committed to working with you to meet GUC's needs and the needs of the community. When you select the RK&K Team for this contract, you will receive a project team that realizes its most important role is to be that of an advocate for your project. RK&K is a firm recognized for responding quickly and efficiently to client requests. Our dedicated staff in the Energy and Corrosion Division's designers, technicians, and support staff firm wide are available to provide services for assignments under this contract swiftly, efficiently, and immediately. All of RK&K's resources, including staff and equipment at other offices, are at the disposal of our project team as schedules and assignment workloads require.

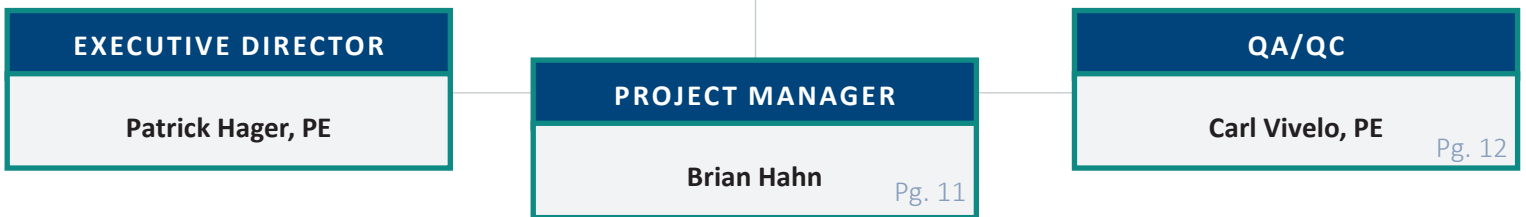
*"You have our word that all decisions and recommendations made by our firm will be made with utmost integrity. Our engineers will apply their technical expertise and thorough knowledge of natural gas pipeline design and construction to ensure an uncompromised level of quality to Greenville Utilities Commission."*





## ORGANIZATIONAL CHART

The organizational chart outlined below allows management to take an active technical role in all projects, providing additional valuable expertise for design, engineering, and the development of construction plans. This involvement allows for identification of critical issues early in a project, efficient management, and timely completion of each assignment. Our project team will remain consistent from inception to completion, providing continuity together as we develop solutions that are easily implemented and economically beneficial. An overview of our team structure and **key personnel's** extensive experience is reflected on their resumes included on the following pages.



ENGINEERING SUPPORT SERVICES				
<b>Project Engineer/ Encroachment Permits</b> Wayne Noonoo, PE	<b>Project Designer</b> Sean Yeager pg. 13	<b>Survey</b> Gregg May pg. 14 Sam Korzi	<b>Construction Admin</b> Daniel D'Amato, PE pg. 15	<b>Construction Inspection</b> Ben Richards

## TEAM STRUCTURE

Mr. Brian Hahn will be the dedicated Project Manager and point of contact. Mr. Hahn has 36 years of experience with engineering and design projects in the natural gas industry. Assisting Mr. Hahn in managing the RK&K Team will be Mr. Patrick Hager, PE, the Executive Director, and Carl Vivelo, PE, a Senior Manager in RK&K's Energy & Corrosion Division. Mr. Hager and Mr. Vivelo will assist with the allocation of division resources and provide technical support. In addition to the top-level project management team, experienced, upper-level technical staff from within our firm will be supporting this project. Each person was chosen based on their experience and knowledge of anticipated services required for the successful completion.

RK&K considers it important that we assign experienced senior-level engineering personnel to lead the team's technical efforts that fall under their fields of expertise. This helps to ensure that the work product develops efficiently while maintaining both GUC's standards and RK&K's internal standards. This level of experience, combined with our breadth and depth of staff, provides the RK&K Team the capability of responding successfully to GUC on this project.

## OFFICE LOCATIONS

RK&K will manage this project out of the firm's **Richmond, Virginia** and **Charlotte, North Carolina** offices; however, the team will have the full support of our entire firm. RK&K has offices located strategically throughout the Mid-Atlantic, Southeast, and South Central United States that include nearly 1,900 professionals, managers and staff.





## BRIAN HAHN PROJECT MANAGER

RICHMOND, VA

### Education

AS, Civil Engineering, Gaston College, 1990

### Experience

36 Years

Brian is a member of RK&K's Energy & Corrosion Division with 36 years of civil engineering experience, and 30 of those years have been with RK&K. He has experience and a thorough knowledge of design, construction document development, bid, construction administration, inspection, permitting, regulatory compliance, operations and contract employee services.

## PROJECT EXPERIENCE

**A/E – Gas Main Design Services Annual Contract for the Water and Gas Division, City of Danville, VA:** Project Manager and Senior Designer responsible for providing engineering and construction management services for various natural gas construction projects, including a multi-contract, multi-phase Natural Gas Facilities Replacement Program. He has managed various gas replacement, relocation and system expansion projects totaling over 942,222 feet of natural gas mains and more than 10,500 residential and commercial customer services. The projects have typically included design services, development of project plans and specifications, permitting, bid phase services and construction management. The design and construction management project scopes often require coordination with other City departments, County agencies and departments, state agencies and federal agencies. Under this contract, Mr. Hahn has assisted with the preparation of NGDISM Grant applications and lead the preparation of the NEPA Tier 2 documentation and development of construction drawings and specifications for the Grant project.

**Natural Gas System Expansion Projects, Greenville Utility Commission, Greenville, NC:** Project Coordinator responsible for completing work on various natural gas system expansion projects, construction administration and inspections projects, and other systems management services. Responsible for the preparation of an Operations and Maintenance Manual for the Commission's Natural Gas Department.

**Oak Grove Road Relocation, City of Shelby, NC:** Project Manager of this project that involved the relocation of polyethylene and steel mains within a North Carolina Department of Transportation project area and the services included: pipeline design and operational assessments. The pipeline design services included: project planning and coordination, design, permitting, and project bidding.

**A/E Natural Gas Engineering and Consulting Services, City of Bessemer City, NC:** Project Manager responsible for the project lead over various tasks assigned by the City during the past twelve years. Projects have included: pipeline and facilities design, bidding and construction inspection and management; corrosion control inspections; permitting; operational assessments including complete facilities audits; regulatory compliance including plan and program development, remedial actions based on regulator issued directives, regulatory inspection assistance and reporting preparation; system mapping; and GIS system development.

**Northern System Strengthening, City of Rocky Mount, NC:** Project Manager. This project involved the planning, design and bidding services for the construction of approximately 22,000 of 10-inch and smaller polyethylene and steel mains to strengthen an area of the City's natural gas system that was experiencing growth and required additional capacity. The pipeline design services included: project planning and coordination, design, permitting, and project bidding. Permitting agencies for this project included the North Carolina Department of Transportation, CSX Railroad, and the North Carolina Department of Environmental Quality.



## CARL VIVELO, PE

QA/QC

RICHMOND, VA

### Education

BS, Mechanical Engineering, New York Institute of Technology, 1985

### Professional Engineer

VA (0402052857)

NY (77073)

### Experience

40 Years

A key aspect of preparing an effective design is the utilization of a Quality Assurance and Quality Control Program. For this reason, Mr. Viveo will perform QA/QC Reviewer for projects assigned under this contract. He is a Senior Manager in RK&K's Energy and Corrosion Division and offers his more than 40 years of field, engineering and management experience in the natural gas, petroleum, pipeline, and utility industries His experience includes gas transmission and distribution systems, pressure regulating facilities, and instrumentation and controls. His experience also includes utility relocation design and coordination on various Virginia Department of Transportation roadway improvement projects.

## PROJECT EXPERIENCE

**Engineering and Gas Utility Design Services Contract, City of Richmond, VA:** Project Manager on ongoing contract providing design services for the City's natural gas distribution systems. Design services have included design of a polyethylene and steel replacement system for the existing cast and ductile iron gas distribution system. Upgrading procedures from inches of water column to pounds operating pressures for portions of the system have been part of our services, as has system strengthening and regulator station design. RK&K has designed hundreds of miles of natural gas distribution mains and approximately 500 miles of new main replacing the cast and ductile iron system under this contract. Responsible for utility design, utility relocations and utility conflict analysis.

**Virginia Natural Gas, SAVE Project Design, Cities of Norfolk, Newport News, Virginia Beach, Hampton and Chesapeake, VA:** Project Manager for a five-year natural gas infrastructure modernization plan pursuant the 2010 Virginia SAVE ACT to replace 209 miles of aging pipeline infrastructure. His responsibilities include managing a team in the development of gas distribution mains for 12-inch through 2-inch polyethylene gas mains, route selection, constructibility, QA/QC of construction plans and coordination with City permitting agencies.

**Greenville Utilities Commission, NC Route 33 and Highway 13 Interconnects Project:** Project Engineer responsible for the development of construction plans for 8,200 LF of 8-inch medium density polyethylene gas main along NC 33 and 4,400 LF of 6-inch medium density polyethylene gas main along US Highway 13 to accommodate an increase in system pressure. Responsibilities included preparation of construction plans and details, traffic control plans, erosion control plans and specifications; preparation and submission of required permits, coordination meetings with the Greenville Utilities Commission and permitting agencies; preparation and administration of construction specifications and bid documents.

**Greenville Utilities Commission, North Western Loop High Pressure Distribution Main:** Project Manager responsible for the development of plans for two distribution regulating stations associated with the design of a 6-inch high pressure distribution main. Responsibilities included QA/QC concerning equipment sizing and overall site layout.



## SEAN YEAGER PROJECT DESIGNER

RICHMOND, VA

### Education

BS, Architectural Design, James Madison University, 1995

### Experience

25 Years

Mr. Yeager has 25 years of diverse experience in mechanical design, equipment layout, facilities infrastructure piping and equipment installation design. Mr. Yeager's responsibilities include facility design and modifications for natural gas regulator stations, records research, field reconnaissance, route selection, and design for various natural gas distribution main projects, utility design and conflict analysis.

## PROJECT EXPERIENCE

**UGI Utilities Inc., Hershey Gate and Auburn Gate Stations, PA:** Project Lead Senior Designer responsible for the mechanical and electrical drafting of piping plans, elevations; mechanical and electrical connection plans and details; and foundation plans for both master gate stations modification. His responsibilities included the coordination with the various engineering disciplines during plan development.

**Virginia Natural Gas, Gidley Gate Station:** Lead Senior Designer responsible for the mechanical and electrical drafting of piping plans, elevations; mechanical and electrical connection plans and details; and foundation plans for a 17,000 MCFH, 1440 psig MAOP master gate station. His responsibilities included the coordination with the various engineering disciplines during plan development.

**Virginia Natural Gas, Gate 3 and 4 Meter and Regulating Station Modifications, Williamsburg/Hampton, VA:** Lead Senior Engineer responsible for the of mechanical piping and electrical plans, elevations; mechanical and electrical connection plans and details; for a 1250 psig MAOP meter and regulating facilities that required an upgrade to supplement VNG's 150 psig and 275 psig MAOP distribution system. His responsibilities included the coordination with the various engineering disciplines during plan development.

**Virginia Natural Gas, Gate 2 Meter and Regulating Station Upgrade:** Lead Senior Designer responsible for the mechanical and electrical drafting of piping plans, elevations; mechanical and electrical connection plans and details; and foundation plans for a 2500 MCFH, 600 psig MAOP meter and regulating facility, which was being upgraded to accommodate the installation of new ultra-sonic meters. His responsibilities included the coordination with the various engineering disciplines during plan development.

**Virginia Natural Gas, Gate 1 Meter and Regulating Station Upgrade:** Lead Senior Designer responsible for the reconfiguration of mechanical piping and components and the preparation of connection details and foundation plans. His responsibilities included the coordination with the VNG discipline engineer.

**Virginia Natural Gas, Joint Use Transmission Pipeline Class Relocation, Hanover, VA:** Lead Senior Designer responsible for the development of plans, profiles and tie-in details for the relocation of 1,800 LF of the 24-inch Joint Use Transmission Line in Hanover, VA.



## GREGG MAY SURVEY

RICHMOND, VA

### Education

BS, Technology Education, Buffalo State College, 2005  
AAS, Lexus-Toyota T-Ten Program, Monroe Community College

### Experience

10 Years

Gregg, Senior Designer, Energy & Corrosion, started as a Technology Teacher instructing 2D and 3D computer modeling, design development and architecture. Prior to joining RK&K, he was the lead piping designer for AdvanSix, a company that specializes in polymer resins. Since joining RK&K, Gregg has been instrumental in high profile projects for Baltimore Gas & Electric and Virginia Natural Gas and is currently the lead designer for various UGI projects in Pennsylvania.

## PROJECT EXPERIENCE

**UGI Utilities Inc., Base Mapping, Replacement and Betterment Projects, Multiple Locations, PA:** Lead Senior Designer responsible for the comprehensive design for more than 200 project assignments throughout UGI's system. He is responsible for pre-field survey gathering, including initiating Pennsylvania One Call System requests and coordination with applicable utility owners, field survey measurement using Leica GPS equipment, inputting of GPS data points and field notes into base mapping, development of gas main alignment drawings, preparation and development of Pennsylvania Department of Transportation Highway Occupancy Permits and provides constant communication to the responsible UGI engineer and drafting staff. Prior to final issuance he ensures all plans meet UGI standard drawings and design practices.

**Virginia Natural Gas, SAVE Project Design, Cities of Norfolk, Newport News, Virginia Beach, Hampton and Chesapeake, VA:** Senior Designer for a natural gas infrastructure modernization plan pursuant the 2010 Virginia SAVE ACT to replace 209 miles of aging pipeline infrastructure. His responsibilities include field reconnaissance, base map preparation, gas main design, developing bill of materials, and developing the required railroad and city encroachment permits.

**Gas Main Design Services Annual Contract, City of Danville, VA:** Senior Designer providing support for the design, GPS data collection and processing services for various projects. Projects include design for gas facilities replacements integrated in Virginia Department of Transportation bridge and roadway relocation projects and natural gas replacement and extension projects throughout the City of Danville's system.

**Baltimore Gas & Electric, Regulator Station Upgrades, City of Baltimore, MD:** Designer responsible for assisting with the design of above grade and below grade regulator stations that required an upgrade. Additional duties include the development of plan and elevation drawings, preparation of complete bill of materials.



## DANIEL D'AMATO, PE, CP 2 CONSTRUCTION ADMINISTRATION

RICHMOND, VA

### Education

BS, Mechanical Engineering, West Virginia University, 2017

BS, Aerospace Engineering, West Virginia University, 2017

### Professional Registrations

Professional Engineer, VA (0402070398)

Cathodic Protection Technician (200833)

### Experience

7 Years

Daniel currently has 7 years of experience in surveying, design, construction inspection and construction management for natural gas and water distribution pipelines and facilities. His survey experience includes conducting soil resistivity readings for AC mitigation of existing and proposed natural gas transmission pipelines. He has experience in the development of detailed construction plans in AutoCAD Version 2018. Additional experience includes record research, preliminary project surveying, material take-offs and construction cost estimating. His construction management responsibilities include interaction with contractors regarding scheduling and interpretation of construction plans.

### RELEVANT EXPERIENCE

Currently, Daniel is working on multiple projects for Richmond Gas Works (RGW). RGW tasked RK&K with the preliminary survey and creating construction plans for 6 PHMSA Grant replacement projects. Each project requires records research, a survey of the project area using Leica Geosystems GPS equipment, and the creation of construction plans for the RGW contractors.

#### Other completed projects he worked on for RGW were:

- Three Chopt Road Roadway Improvements. Relocation of a 12" Steel H.P. gas main and 8" Steel M.P. gas main in conflict with the new roadway and drainage.
- Richmond-Henrico Turnpike Improvements. Relocation of an 8" Plastic/Steel gas main and 6" Cast Iron gas main in conflict with the new roadway and drainage.
- Lafayette Street Replacement Project. Performed preliminary survey and design for replacement of multiple runs of 2" Steel gas main.

Daniel worked as engineer on Virginia Natural Gas SAVE projects. These projects involved preliminary surveys, records research, basemap construction, construction plans. Some projects required Horizontal Directional Drilling (HDD) design and profiles provided with the package. Daniel worked for UGI, he was responsible for preliminary surveys and basemap design. Some of these surveys required additional data collection due to being Highway Occupancy Permits (HOP). Daniel worked for Monroe Gas, he conducted preliminary surveys and provided construction plans for new service taps where farm taps were being eliminated. He also provided data collection on 10 miles of transmission pipeline for the City of Monroe. Daniel worked for Danville Utilities he provided preliminary surveying, base mapping, construction inspection, and construction management on design and construction of natural gas and water facilities. These projects were phased replacements that required abandoning existing cast iron and old steel mains and replacing with new plastic or ductile iron mains. He also assisted with a Current Interference Survey (CIS) on 2 steel transmission lines in Danville Right of Way. Daniel worked for EPIC Pipeline, he provided corrosion inspection services along existing and proposed pipeline right of way. He conducted numerous soil surveys and gathered test station data both on inactive, active, newly constructed, and future construction pipeline right of ways.



# SIMILAR PROJECTS COMPLETED



RK&K's Energy & Corrosion Division was formed in 1992. The Division specializes in planning, permitting, design, inspection, and project management of natural gas pipelines, systems, and facilities; petroleum storage and distribution systems; and related facilities. A full range of related technical support and consulting services is also provided to clients by the Division.

**The following is a partial list of similar projects completed by the Energy & Corrosion Division of RK&K:**

## **Northwest High Pressure Expansion Loop | Greenville, NC**

**Client:** Greenville Utilities Commission | 401 S. Greene Street, Greenville, NC 27834

**Contact:** Mr. F. Durward Tyson, Jr. | 252.551.2048

**Key Personnel:** Carl Vivelo, Wayne NooNoo & Sean Yeager

**Project Description:** Greenville Utilities Commission (GUC) Northwestern Loop Expansion- High Pressure Main Interconnect is a single pipeline project located in Eastern North Carolina. It serves over 150,000 customers with electricity, water, sewer, and natural gas services. This project was constructed to address the increased demand for natural gas in the region. The GUC Northwestern Loop Expansion involved the installation of 17,600 feet (about 3.3 miles) of pipeline. The 6-inch steel pipeline enhanced the natural gas service to the northwestern areas of the City of Greenville and Pitt County. There were 7 horizontal directional drills performed across the entire project crossing multiple areas. The areas crossed varied from roads, highways, wetlands and the Tar River. This project also included the design of two regulator stations as well as the tie-in points, which were constructed at the same time the directional drills and conventional trenched pipeline were installed.

## **Northern System Strengthening | Rocky Mount, NC**

**Client:** Energy Resources Department | PO Box 1180, Rocky Mount, NC 27802

**Contact:** Mr. Bradley Walters, PE | 252.467.4827

**Key Personnel:** Carl Vivelo, Brian Hahn & Sean Yeager

**Project Description:** RK&K provided system planning, surveying, design services and bid services for the expansion and strengthening of the City of Rocky Mount's natural gas distribution system. The Energy Resources Department contracted with RK&K to provide services for expanding their current facilities so that they could provide service to a large industrial area and to prepare for anticipated load increases in the northern extent of their service area. The project included the design of approximately 22,000 LF of 10" high density polyethylene and steel gas mains along public ROW and private easements and a large regulator and metering station at a large industrial site. Permit requirements included NC DEQ, NCDOT and CSX Corporation railroad and property crossing. RK&K prepared construction specifications and related contract documents and assisted the City with bid services.

### NC 33 and US 13 Interconnects | Greenville, NC

**Client:** Greenville Utilities Commission | 801 Mumford Rd., Greenville, NC 27835

**Contact:** Mr. F. Durward Tyson, Jr. | 252.752.7166

**Key Personnel:** Carl Vivelo, Brian Hahn & Sean Yeager

**Project Description:** RK&K developed construction plans for 8,200 LF of 8" and 4,400 LF of 6" medium density polyethylene gas main along US Highway 13 and along SR 33 to accommodate an increase in system pressure. The project included preparation of construction plans and details, traffic control plans, erosion control plans and specifications; preparation and submission of required permits, coordination meetings with the Greenville Utilities Commission and permitting agencies; preparation and administration of construction specifications and bid documents.

### Ayden Expansion | Greenville, NC

**Client:** Greenville Utilities Commission | 801 Mumford Rd., Greenville, NC 27835

**Contact:** Mr. F. Durward Tyson, Jr. | 252.551.1590

**Key Personnel:** Carl Vivelo

**Project Description:** RK&K provided field reconnaissance, design permitting, contract administration and project management services for a major gas main extension. GUC extended their system by 27,000 LF, with 8" steel main, south to the Town of Ayden. The project included 16,000 LF of 4-inch and 2-inch polyethylene distribution mains located within the Town of Ayden. The project details included a design of a HDD under Swift creek, close coordination with NCDOT and as-built documentation.

### Natural Gas System Facilities Replacement Program | Danville, VA

**Client:** City of Danville Water & Gas Division | 1113 Goodyear Boulevard, Danville, VA 24541

**Contact:** Mr. Jeff Bustamante | 434.799.5280 ext. 2174

**Key Personnel:** Carl Vivelo, Brian Hahn, & Sean Yeager

**Project Description:** RK&K has provided ongoing system planning, design services, bid services and construction inspection and management for the City of Danville since 1996. RK&K has completed 96 individual projects for the replacement of cast iron, ductile iron and bare steel mains; expansion of the natural gas system; and the relocation of facilities in conjunction with VDOT road projects. In the performance of these services, RK&K has provided the design for approximately 794,000 LF of 1-1/4-inch through 12-inch polyethylene and steel mains and the replacement of approximately 10,350 customer service lines. In addition to the design services for these projects, many of the projects have required VDOT, environmental and railroad permits that were prepared and administered by RK&K.

### Elko Road | Henrico County, VA

**Client:** City of Richmond, DPU | 400 Jefferson Davis Highway; Richmond, VA 23224

**Contact:** Mr. Daniel Rifenburgh | 804.646.8537

**Key Personnel:** Carl Vivelo & Sean Yeager

**Project Description:** As part of RK&K's Annual Engineering Services contract with DPU provided field reconnaissance, records research, utility research, base map preparation, gas main design and constructibility, and complete bill of materials for 7,000 LF of 8-inch intermediate pressure polyethylene gas main. The gas main was part of DPU's eastern expansion into the suburbs of Henrico County.



# SPECIAL CONSIDERATIONS



## PRELIMINARY PROJECT APPROACH

### Project Kickoff Meeting

RK&K will begin this project with a kickoff meeting to establish lines of communication and project goals with GUC. A clear plan for accomplishing project tasks with the agreed upon schedule, identifying all critical milestones and deliverables, and assigning the appropriate personnel resources to complete the project in the most efficient manner possible. After developing a clear understanding of the project requirements, RK&K will prepare a detailed scope of work and schedule based on the proposed schedule included in our proposal. The schedule will assist in developing staffing requirements and the estimated project engineering services fees. The fees will be reviewed in draft format with GUC. Once approved, RK&K will begin with the design services.

### Design Phase Services

Preliminary engineering services will include:

- **Base Mapping GPS Survey** – The project base mapping will be developed from accurate orthophotos obtained in conjunction with lidar, supplemented with field GPS instrument surveys. The base mapping will cover sufficient area to allow for minor deviations from the proposed alignment within the power easement necessary from design, construction, permitting, archaeological record inventory mapping, and easement and/or right-of-way requirements. Relevant information available from existing highway plans, utility easements, property and utility mapping, GIS mapping and data, and environmental inventory mapping, and other sources will be incorporated into the base mapping as applicable to the requirements of design, permitting, easement and property acquisition.
- **Investigate Utilities** – RK&K will gather all relevant existing utility information and meet with the GUC and private utility owners, as necessary, to discuss the impact to their utilities and any potential design and construction impacts on the gas main. Underground utilities will be designated and to be include in the topographic survey where the existing utilities may impact the design and/or construction of the gas mains. Design locate tickets will be called-in through project corridor for utilities not owned by the GUC. Sight holes will be excavated either by the GUC or an SUE firm where utilities will be crossed to obtain vertical crossing information [Quality Level 1 Designation] for final design.
- **Right-of-Way Requirements** – RK&K will conduct and coordinate meetings with the NCDOT district office in Washington to identify their concerns, requirements, and any planned improvements in the area and as required with the NCDOT Right-of-Way Section in Raleigh.
- **Permitting** – Permitting requirements with regulatory stakeholders will be identified. RK&K anticipates that NCDOT highway encroachments will be required for road crossings and the proposed installation of the gas mains.

- **Preliminary Design** – Preliminary drawings, maps and existing plans will be utilized to depict the proposed gas main alignment. No vertical detail will be provided at this stage of the process. Initial staging, and workspace determinations will be developed. RK&K staff will conduct a reconnaissance survey of the entire route to gather information and to provide the basis for the remaining design process. Conceptual details for the crossings, and connections to existing facilities, locations for geotechnical bores will be determined.
- **NGDISM Considerations** – RK&K will incorporate the requirements of the NEPA Tier 2 Categorical Exclusion Documentation into the design.
- **Review Meetings** – RK&K will perform review meetings at 30%, 60% and 90% completion prior to submitting Issued for Construction drawings.
- **Pre-Final Design** – RK&K will prepare construction drawings incorporating GUC comments shown in plain view and as required in profile view, construction details, maintenance of traffic, erosion, sedimentation control and general note sheets for submittal to the GUC.
- **Preliminary Constructibility Review** – RK&K will perform constructibility review of the design documents, reviewing the documents for constructibility.

### Final design services will include:

- **Review Meeting** – The 90% design drawings, details and specifications will be reviewed at a meeting with the GUC, and NCDOT as required.
- **Final Design** – Bid Ready, Issued for Construction drawings and contract specifications reflecting the utility improvements shown in plan and profile view will be completed for submittal to the GUC and all permitting agencies.
- **Constructibility Review** – RK&K will perform a final constructibility review of the design documents reviewing the documents for constructibility.
- **Permitting** – Documents necessary for permitting the project including NCDOT roadway permitting.
- **Review Meeting** – A final review meeting will be scheduled with the GUC to review comments and concerns regarding the bid ready construction documents.
- **Final Documents** – Final revisions to the documents reflecting any GUC comments will be completed and a final construction cost estimate for the proposed improvements will be completed.

### Contract Document Development Services

RK&K will provide contract document development services for the Gas Distribution System Improvement Project as follows:

- Review the contract requirements with necessary GUC personnel and City departments.
- Prepare and provide all necessary documents for the GUC to enter a contract with a qualified pipeline contractor including:
  - General Conditions
  - Technical Specifications (to include both material specifications and construction procedural specifications)
  - Project advertisement or invitation to prospective bidders (Invitation to Bidders)
  - Instructions for completion and submission of the bid (Instruction to Bidders)

- Bid Proposal Form
- Agreement
- Miscellaneous documents including a Non-collusion affidavit, Bid Bond, Reference request, FEIN request, Iran divestment certification, and Performance bond
- Assemble and bind all documents.
- Provide the City with fifteen (15) sets of the bound contract documents.

## **Bid Phase Services**

RK&K will provide bid phase services for the Gas Distribution System Improvement Project as follows:

- Preparation of an advertisement for competitive bidding.
- Distribution of contract documents for bidding.
- Receive and answer questions from prospective bidders and suppliers and prepare clarifying addenda as required.
- Attend and administer the pre-bid meeting.
- Evaluate the bids received and qualifications of the apparent low bidder.
- Provide a recommendation as to award of the construction contract to the lowest responsible and responsive bidder.

The conceptual project schedule attached will be used as a preliminary schedule to be used for discussion and refinement at the kick-off meeting. The schedule assumed that half of the parcels along the proposed gas main alignment will require acquisition.

## **Construction Administration and Inspection Services**

RK&K will provide construction administration services for the Gas Distribution System Improvement Project as follows:

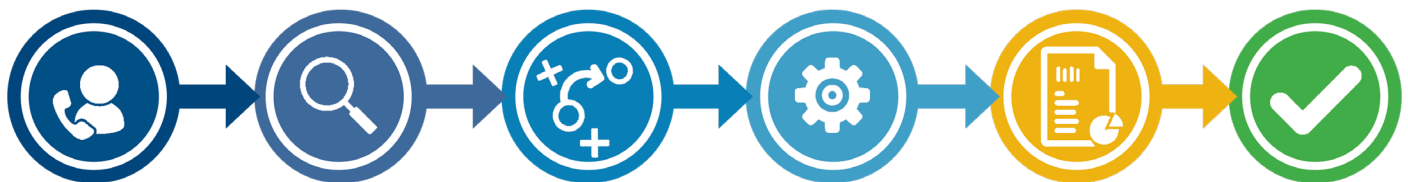
- Review required Contractor plans, as needed, to ensure compliance with PHMSA and the GUC requirements:
  - a) OQ Plan
  - b) Drug & Alcohol Plan
- Conduct City or contractor-initiated meetings with personnel from the City, the Contractor, and the project Inspector.
- Review and process Contractor's monthly payment requests in accordance with the City's current procedures.
- Provide routine clarifications, changes, claims, and requests for directions.
- RK&K will direct the Contractor concerning City initiated changes and will review with the City and recommend action pertaining to Contractor submitted claims. With each change request, RK&K will include a detailed description of the change, reason for the change, the responsibility for the change, and a price justification including an independent cost estimate prepared by RK&K for all changes. All negotiations concerning contractor fee requests and time requirements will take place with the full knowledge and approval of the City.
- Performing pre-final and final reviews for the project; preparing punch lists and project close-out documents.

- Utilizing City processed GPS data points, RK&K will prepare the project record drawings. These record drawings will be submitted on paper and in Adobe pdf digital format.

RK&K will provide an onsite construction inspector for the following:

- Performing quality control inspections of all installations and materials incorporated into the project.
- Monitoring workmanship and enforcing the requirements of the contract.
- Documenting and reporting unsatisfactory work to the GUC; recommending removal and replacement to the GUC, as necessary.
- Maintaining all necessary project files and jobsite records in accordance with the GUC's requirements and format.
- Providing field liaison between the Construction Contractor, the GUC, and RK&K.
- Maintaining an up-to-date field set of construction plans that will serve as records documents. Included on this set of plans will be notes pertaining to field adjustments, additional information such as unidentified underground features, adjustment to the locations of utilities and structures, revised stationing, etc.
- Maintaining copies of all inspector's reports, test results, progress reports, correspondence, approved shop drawing submittals, certifications, change orders, quantity computations, payment estimates, and progress photos, and turning these records over to the GUC in their entirety upon the completion of the project.
- Determining acceptance and quality of work.
- Assisting the GUC in obtaining contract compliance to ensure that the project is completed in substantial conformance with the contract plans and specifications.
- Witnessing the testing of the new facilities.
- Monitoring the Contractor's personnel to ensure compliance with Operator Qualification requirements.

The conceptual project schedule attached will be used as a preliminary schedule to be used for discussion and refinement at the kick-off meeting. The schedule assumed that half of the parcels along the proposed gas main alignment will require acquisition.



## QUALITY ASSURANCE (QA) & QUALITY CONTROL (QC)

Our projects employ a continuous QA/QC approach that contains multiple facets. RK&K has standardized policies in order to maintain quality procedures for the work we produce. This effort involves the personal commitment of the RK&K Partners, Executive Directors, and Directors that define and measure quality in terms of client satisfaction and employee involvement through continuous improvement in quality control and assurance.

This journey will never be finished. It will achieve milestones of measurable quality improvements, but improvement will never end. The development of projects assigned under this contract is an extension of RK&K's Quality Assurance/

Quality Control (QA/QC) Procedures and will require an effort by all involved personnel in producing quality engineering documents (studies, reports, plans, specifications, etc.) that are:

- Complete, accurate and concise.
- Provide sufficient detail and description.
- Provide a completed product that is constructible, operable, and maintainable.
- Completely satisfies the needs of GUC.

## Quality is something we take very seriously at RK&K, and it is one of our core values.



All employees are given a copy of RK&K's Quality Assurance/ Quality Control Procedures on their first day of work and asked to sign a **"COMMITMENT TO QUALITY"** form acknowledging they have read, understand and affirm their personal commitment to the quality policy as detailed in the plan. Each employee's annual performance review includes a discussion on the quality of their work during the previous year. Adherence to RK&K's Quality Assurance/ Quality Control Procedures is a measurable performance for each employee. To accomplish these goals, a commitment and an attitude to do the best possible job regardless of any obstacles is necessary from all at RK&K. By adhering to these goals, we will provide GUC with engineering documents in which our team can take pride of authorship.

We recognize the importance of developing the highest quality designs and contract documents. We also recognize a key aspect to maintaining schedules and budgets on all projects is to prepare an effective design and avoid delays along with the additional costs created by redesign of projects.

Quality Control for each assignment will be performed by every employee working on the project by a rigorous application of appropriate design criteria and sound engineering practice. We will use our established QA/QC Program on each project, including the three tenets of RK&K's QA/QC Program:

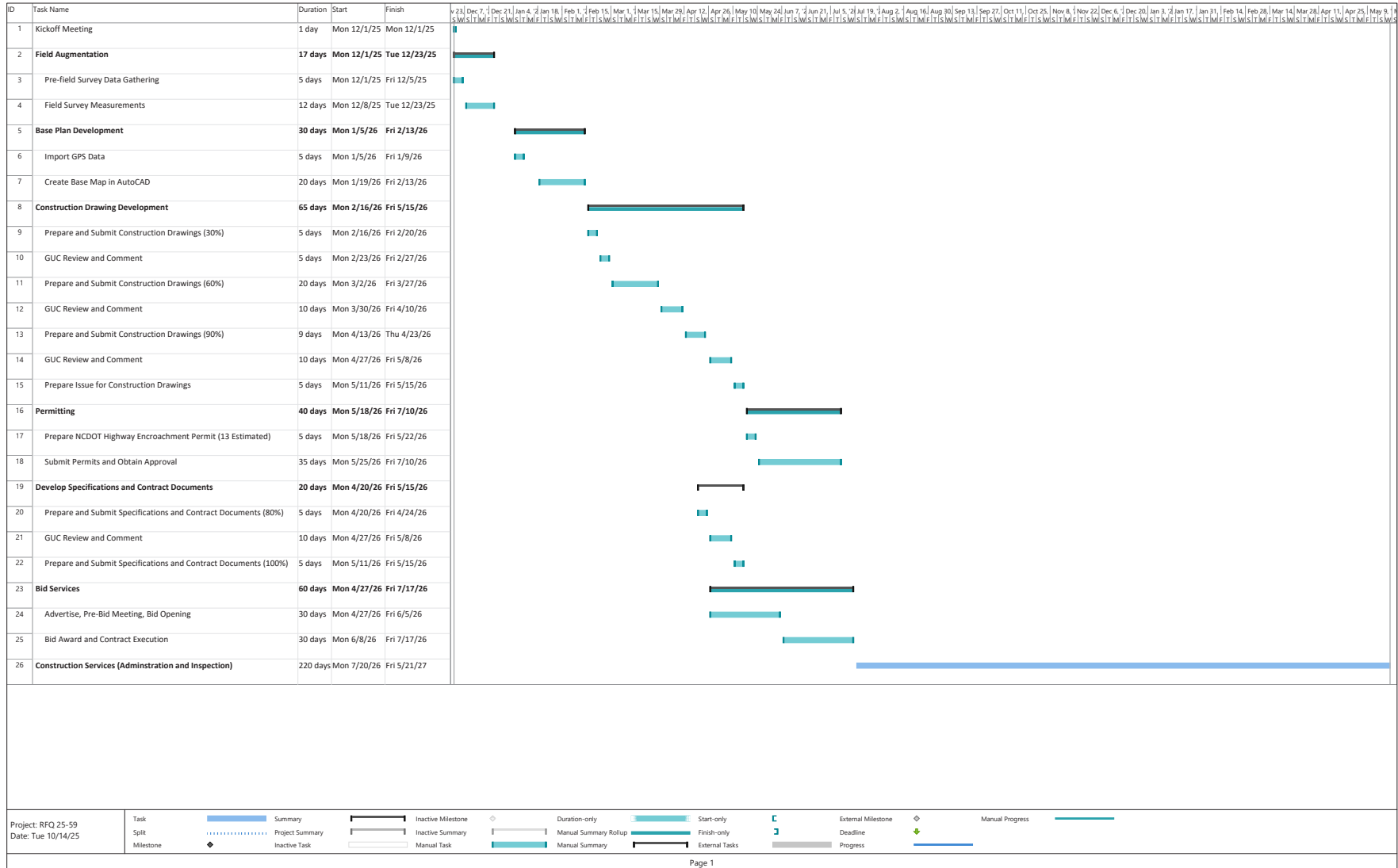
- Effective project management control
- Structured Total Quality Management (TQM)
- Cost control monitoring

**Our QA/QC Program is defined by a stated policy, effective procedures, and applicable standards of practice. This program will be implemented by RK&K and all subconsultants, and it is the responsibility of all design team members to adhere to the program.**

# RK&K

## CONCEPTUAL PROJECT SCHEDULE

This preliminary conceptual project schedule will be used for discussion and refinement at the kick-off meeting.





# SCHEDULE OF RATES

## RUMMEL, KLEPPER & KAHL, LLP 2025 BILLING RATES

EFFECTIVE APRIL 1, 2025, THROUGH MARCH 31, 2026

### Employee Classification Hourly Rate

Partner / Sr. Director / Director .....	\$295.00
Sr. Leader .....	\$280.00
Leader .....	\$270.00
Project Manager .....	\$210.00
Sr. Project Coordinator .....	\$185.00
Project Engineer III .....	\$160.00
Project Engineer II .....	\$155.00
Project Engineer I .....	\$148.00
Engineer II / Scientist II .....	\$125.00
Engineer I / Scientist I .....	\$113.00
GIS Analyst .....	\$145.00
Project Designer II .....	\$130.00
Project Designer I .....	\$118.00
Designer I .....	\$106.00
Overtime .....	\$129.00
CADD Operator .....	\$ 93.00
Overtime .....	\$110.00
Administration .....	\$ 70.00
Overtime .....	\$ 85.00

### Other Direct Costs

Travel - Auto	At rental rate plus fuel or current federal mileage rate for personal/ company vehicle	Plotter Prints, Mylar B&W	\$0.91 per sq ft
		Plotter Prints, Mylar Color	\$1.07 per sq ft
Reproductions – In-house		Color Scans	\$1.00 per square foot
8½" x 11" B&W	\$0.23 per copy	Reproductions - Outside Services	At Cost
8½" x 11" Color	\$0.43 per copy	Subcontract Services	As determined by assignment
11" x 17" B&W	\$0.29 per copy	Lodging	At Cost
11" x 17" Color	\$0.49 per copy		
12" x 18" B&W	\$0.30 per copy	Per Diem	As allowed by Federal Regulations
12" x 18" Color	\$0.50 per copy	Meals On-Site with or without Overnight Stay (non-local staff)	At Cost (\$30.00 per day maximum)
Plotter Prints, Paper B&W	\$0.31 per sq ft	Other Direct Expenses	At Cost
Plotter Prints, Paper Color	\$0.47 per sq ft		



# LETTERS OF COMPLIANCE



Attachment 1

**RFQ Acknowledgement and Signature Form**

**RFQ No.: 25-59, Engineering Services for 2025 DIMP Gas Distribution System Improvements**

The undersigned having carefully examined the location of the proposed work, the local conditions of the place where the work is to be done, the Invitation, the General Conditions, the Specifications and all of the documents for this project, proposes to enter into a contract with Greenville Utilities Commission in Greenville North Carolina perform the work listed in this RFQ, including all of its component parts, and to furnish any and all required labor, materials, equipment, insurance, bonding, taxes, transportation and services required for this project in strict conformity with the plans and specifications prepared, including any Addenda, within the time specified.

**Addendum Acknowledgement:**

The following addendum (addenda) is (are) acknowledged in this RFQ: 0

**Acknowledgement and Signature:**

1. No Proposal is valid unless signed in ink by the person authorized to make the proposal.
2. I have carefully read, understand and agree to the terms and conditions on all pages of this RFQ. The undersigned agrees to furnish the services stipulated in this RFQ.

**Respondent's Name and Title:**

Company Name: Rummel, Klepper & Kahl, LLP (dba RK&K)

Address: 2100 E Cary St #309, Richmond, VA 23223

Telephone: 1-800-510-4755 Fax: \_\_\_\_\_

Email: phager@rkk.com Cell Number: 410-493-9147

Contractor License # (if applicable): \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Federal Tax Identification Number: 52-0599112

Authorized Signature: PatrickD Hager, PE Digitally signed by PatrickD Hager, PE  
DN: C=US, E=phager@rkk.com, O=RK&K, OU=Director -  
Utilities/ROW, CN=PatrickD Hager, PE  
Date: 2025.10.13 18:46:23-04'00' Date: 10-13-2025

Attachment 3  
**E-Verify Form**


Letter of Compliance to E-Verify for Greenville Utilities Commission. Please complete the form below.

1. I have submitted a bid for contract or desire to enter into a contract with the Greenville Utilities Commission;
2. As part of my duties and responsibilities pursuant to said bid and/or contract, I affirm that I am aware of and in compliance with the requirements of E-Verify, Article 2 of Chapter 64 of the North Carolina General Statutes, to include (mark which applies):
3.  After hiring an employee to work in the United States I verify the work authorization of said employee through E-Verify and retain the record of the verification of work authorization while the employee is employed and for one year thereafter; or
4.  I employ less than twenty-five (25) employees in the State of North Carolina.
5. As part of my duties and responsibilities pursuant to said bid and/or contract, I affirm that to the best of my knowledge and subcontractors employed as a part of this bid and/or contract, are in compliance with the requirements of E-Verify, Article 2 of Chapter 64 of the North Carolina General Statutes, to include (mark which applies):
6.  After hiring an employee to work in the United States the subcontractor verifies the work authorization of said employee through E-Verify and retains the record of the verification of work authorization while the employee is employed and for one year thereafter; or
7.  Employ less than twenty-five (25) employees in the State of North Carolina.

Specify subcontractor: \_\_\_\_\_

Rummel, Klepper & Kahl, LLP  
(dba RK&K) \_\_\_\_\_ (Company Name)

By: Patrick D. Hager, PE \_\_\_\_\_ (Typed Name)

PatrickD Hager, PE  Digitally signed by PatrickD Hager, PE  
DN: c=US, E=phager@rkk.com, O=RK&K,  
OU=Director - Utilities/ROW, CN=PatrickD  
Hager, PE\*  
Date: 2025.10.13 18:34:08-04'00' \_\_\_\_\_ (Authorized Signatory)

Executive Director \_\_\_\_\_ (Title)

10-13-2025 \_\_\_\_\_ (Date)



**RK&K**  
WWW.RKK.COM