GREENHORNE & O'MARA
CONSULTING ENGINEERS

August 13, 2009

Mr. Chuck Bowman, Buyer
State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Re: Site Characterization Study, Leachate Management & Closure Cap Design for the City of Wheeling Landfill
Requisition # DEP14705

Dear Mr. Bowman:

Greenhorne & O'Mara (G&O) **accepts the terms of the WVDEP's request for quotations** as stated in the request released on July 23, 2009 and is pleased to respond to the same request for the Site Characterization Study, Leachate Management & Closure Cap Design for the City of Wheeling. Prepared in our expression of interest, you will find an abundance of information that describes in detail our qualifications and experience with respect to the City of Wheeling Landfill Closure Project. The information includes a statement of our qualifications, personnel summaries and projects to reflect the broader scope of services identified in your EOI. Specifically, we have provided the following requested information:

1. A cover letter that includes **a statement accepting the specified terms** of the request for quotations (this document).
2. A section summarizing the G&O Team's technical qualifications, including the pertinent qualifications, experience, a synopsis of each key project team member's assignments and responsibilities.
3. A section to describe the locality of the G&O team.
4. References whom are familiar with G&O's work on similar projects.
5. A section for the Consultant Confidential Qualification Questionnaire and the Related Project Experience Matrix.
6. A signed Purchasing Affidavit from the State of West Virginia Purchasing Division, which indicates that G&O is not in debt of any kind to the State of West Virginia.

If you have any questions or concerns regarding our submittal, please do not hesitate to contact me at (304) 367-9401 or mretton@G-and-O.com, or our proposed Project Manager, Mr. Richard L. Gaines, at (304) 367-9401 or rgaines@G-and-O.com.

Sincerely,

Michael A. Retton, PE, PS
Regional Vice President

Enclosures

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www.G-and-O.com

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OVERALL CAPABILITIES

GREENHORNE & O'MARA
CONSULTING ENGINEERS

(G&O) is a full-service, multidisciplinary consulting engineering firm with a **culture of personalized client service, innovative problem solving, and on-time project delivery.** With 17 offices, we serve clients in the private and public sectors on projects located throughout the United States and overseas. Founded in 1950, G&O is an employee-owned firm that is consistently ranked by Engineering News Record among the top 25 percent of architectural/engineering design firms in the United States.

Our large and diversified staff of more than 600 knowledgeable and quality-oriented employees offers our clients a broad spectrum of engineering expertise in the areas of civil, structural, environmental, transportation, and water resources engineering; site, facility, and military master planning; hazards mitigation and security; surveying and mapping; environmental services; site infrastructure design; landscape architecture; computer sciences; cultural resources; and other related services.

G&O provides comprehensive consulting services to perform studies, prepare plans, and secure permits for erosion control and the installation of water mains, sewer, and appurtenances. G&O's professionals are experienced in the design of a broad range of engineering projects that include preparation of cost estimates, plans, and specifications, and the performance of soil and geologic studies to establish project feasibility. Our detailed design services include traffic studies, grading plans, water and sewer systems, earthwork analysis, stormwater management, site plans, sediment and erosion control, storm drainage and paving plans, roadway and railroad realignments/grade changes, feasibility studies and site analyses, and permit application assistance.

The quality of G&O's work is tied to its effective project management, its process of clearly identifying the client's goals and expectations, conducting the work using motivated, highly qualified professional staff, and implementing the firm's quality control plan. Inherent in this process is the fundamental effort to meet or exceed expectations every time, and also to identify process failures, mitigate the errors, and incorporate the lessons learned for continual improvement.

G&O has one of the largest civil engineering staffs in the Northeast Region of the United States. We have provided engineering services for thousands of industrial, commercial, educational, institutional, residential, and multi-use developments. Our engineers can provide the following relevant services:

- Utilities extension/relocation
- Water treatment design/replacement
- Site infrastructure design
- Sewage treatment and collection systems
- Water distribution
- Sediment and erosion control
- Storm drainage and paving plans
- Renovation/alterations
- Pavement analysis/resurfacing
- Structural modifications
- Structural analysis
- Roads and parking design/rehabilitation
- Surveying/mapping/GIS systems
- Grading plans
- Permit/waiver application
- Stormwater management
- Landscape plans

In addition to the above services, G&O also provides Land and Bathymetric Surveying, Land Ownership Research and Preparation of Plats/Easement/Right-of-Ways, Utility Coordination and Relocation Design, Transportation/Traffic, Engineering, Landscape Architecture and Public Outreach & Education.

G&O works with various governmental transportation agencies to implement projects such as road relocations and road widening. G&O's work on these projects includes, among other tasks, traffic impact studies, access studies, data collection and analysis, signal timing, traffic control plans, and concept plans for roadway improvements.

Over the years, G&O has worked for nearly all federal, state, county and local government agency within WVDEP's domain. We have worked in many communities in the State of West Virginia (examples to follow).

PROJECTS

Millersville Landfill
Anne Arundel County, MD

G&O, as a subconsultant to GBB, Inc., prepared complete designs, plans, and specifications for a building expansion to house a maintenance shop and offices, a scale house with duplicate truck scales, and access structures for leachate collection, for the Millersville Landfill. We designed leachate collection systems, leachate pumping stations, and two 250,000-gallon leachate flow equalization/storage tanks and prepared the design for a leachate pretreatment facility and effluent force main.

G&O performed site surveying and wetlands delineations and wetlands permit processing and are currently involved in wetlands impact mitigation evaluation, wetlands replacement design, and construction engineering and inspection.

Project Relevance

- *Site Surveying*
- *Leachate Management*
- *Engineering Design Management*
- *Preparation of Contract Drawings and Specifications*

Sandy Hill Landfill
Morrisville, PA

Greenhorne & O'Mara, Inc. provided total sitework engineering of 219-acre Bowie landfill, including site aerial photography and photogrammetric mapping; surveys to establish second order control, boundary surveys, surveys to locate site monitoring wells, to define underwater portions of ponds; overall site earthwork analyses; design of three fill cells, with containment dikes, leachate collection system, leachate pumping station, and force main; erosion and sediment control plan; stormwater management plan; design of three major sediment control basins, and stormwater quality and quantity control management ponds; assistance in permit approval process; perimeter control for over 9,700 LF; construction phase engineering and inspection services.

Palm Beach County Solid Waste Authority
Enterprise GIS Design
West Palm Beach, FL

Greenhorne & O'Mara, Inc. (G&O) was selected for a continuing contract to provide surveying services to the Solid Waste Authority (SWA) of Palm Beach County. G&O worked closely with the Authority on projects ranging from quantity surveys on landfills to setting horizontal and vertical control and aerial targeting at each of their facilities including Belle Glade, and Pahokee, Florida. Static GPS or RTK was utilized to accomplish most of the work performed for the Authority. For landfill quantity surveys, G&O utilized on-the-fly RTK, covering 180 acres in four days. The task order to set aerial targets and two control points with horizontal and vertical values at each facility was accomplished using Palm Beach County and NGS control points. The accuracy of the GPS derived elevations on the two

Project Relevance

- *Landfill Quantity Surveying*
- *Utility Management*
- *Engineering Design Management*
- *Preparation of Contract Drawings and Specifications*

control points at each facility were checked using conventional leveling techniques at convenient locations. After the control was approved the aerial targets were located horizontally and vertically using RTK.

This was a three-year contract with the option for an additional three years. G&O is in the sixth year of the contract.

G&O is providing GIS and Information Technology expertise to support the Solid Waste Authority's (SWA) project to build a comprehensive, accurate digital Geographic Information System (GIS) database of land features, facilities and utility systems at the North County Resource Recovery Facility (NCRRF).

Stream Restoration/Retrofit Program
Prince George's County, MD

Greenhorne & O'Mara, Inc. performed water resources services, including stream restoration, water quality design and sampling, and flood hazard mitigation to support the County's Stream Restoration/Retrofit Program under an open-end contract. Task orders included:

Bladensburg South. Greenhorne & O'Mara, Inc. designed one on-line water quality pond; conducted topographic surveys, wetland delineations and mapping, floodplain analyses, and permitting; and prepared final design plans and construction/bid documents. We evaluated branch packings and brush layerings for stream restoration.

Lyndon Street Area. Greenhorne & O'Mara, Inc. designed one on-line water quality pond; conducted topographic surveys, archaeological investigations, wetland delineations and mapping, floodplain analyses, and permitting; and prepared final design plans and construction/bid documents. We evaluated branch packings and brush layerings for stream restoration.

Brown Station Road Sanitary Landfill. Greenhorne & O'Mara, Inc. (G&O) sampled and monitored leachate to comply with an industrial discharge permit. We collected samples for laboratory analysis, trained landfill staff to collect samples, coordinated with laboratory regarding potential causes for sample results outside of permit limits.

Project Relevance

- *Site Surveying*
- *Hydrologic / Hydraulic Analyses*
- *Leachate Management*
- *Engineering Design Management*
- *Preparation of Contract Drawings and Specifications*
- *Watershed Management Plan*
- *Subsurface Investigation*

Anacostia River Watershed Study, Prince George's County, MD. Greenhorne & O'Mara, Inc. (G&O) performed a flood hazard mitigation study for the riverine portion of the Anacostia River, which drains 130 SM of heavily developed suburban land just outside the District of Columbia. Although the developed nature of the watershed, past flood control measures (i.e., levees and impoundments), past channelization, and extensive flooding problems created a challenge in the developing hydrologic and hydraulic (H&H) models, G&O successfully prepared H&H models for simulating existing and ultimate land use scenarios that effectively accounted for the impact of numerous hydraulic structures.

G&O used the hydraulic models to map the 100-year floodplain and identify flood prone structures, and identified approximately 2500 flood prone structures (including 1500 structures behind levees that would be overtopped by the 100-year storm under ultimate land use conditions).

G&O grouped flood prone structures into flood areas and identified alternative flood hazard mitigation measures. We suggested both structural (e.g., levees/floodwalls, impoundments) and non-structural (e.g., floodproofing, acquisition) potential alternatives, and performed a preliminary feasibility assessment for the alternatives identified.

Surveying Services for Solid Waste Authority
West Palm Beach, FL

G&O is responsible for providing survey services to the Authority on an as needed basis. The services included, setting horizontal and vertical control at all the Authorities facilities placing aerial targeting at each facility for planimetrics; yearly quantity surveys on the North Palm Beach County Landfill; boundary and topographic surveys for design project.

The contract was expanded to include the preparation of construction documents for a dredge and fill project that included environmental permitting; construction engineering and inspection services.

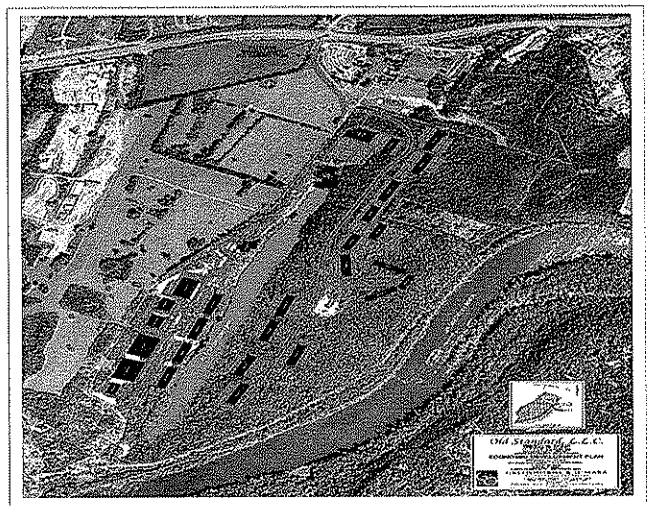
Southern Solid Waste Management Center, Cell 3
Wilmington, DE

G&O provided concept development, planning, and design for elements of a 24-acre landfill cell, including three 250,000-gallon dual containment storage tanks, leachate collection system, leachate pumping station, leachate truck loading station, leachate recirculation system, access road improvements, stormwater management plan, and sediment control plan.

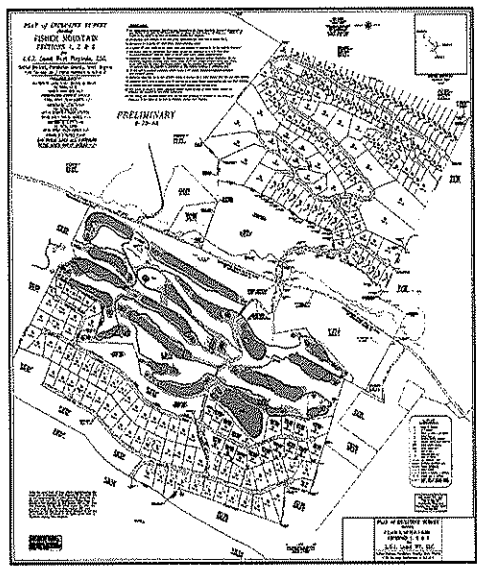
Old Standard Quarry Plan
Jefferson County, WV

Old Standard Quarry is a proposed mixed use development project which is on approximately 400 acres of land previously surfaced mined for limestone and adjoins the Shenandoah River. The developer is currently marketing the project with Lake Front Hotels, condominiums, light industrial and research and development facilities.

G&O has assisted the developer with a full line of services including surveying, planning, traffic analysis, conceptual and preliminary designs for the purpose of marketing the project to prospective end users.



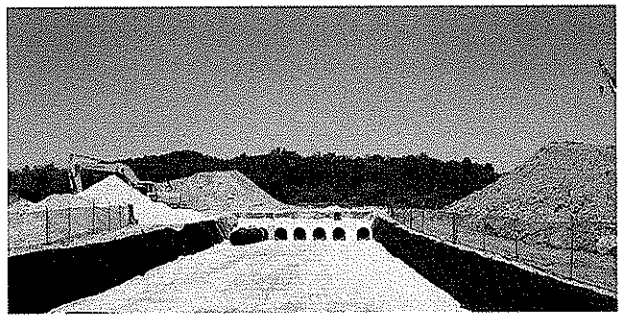
Fisher Mountain
Pendleton County, WV



Fisher Mountain Development located approximately 7 miles east of the Town of Franklin in Pendleton County, West Virginia is a new residential development to be constructed around a beautiful 18 hole golf course. The development is planned to have approximately 1200 lots when completed and residents will be centrally located to take advantage of the regional outdoor recreational opportunities available which include Skiing, mountain biking/climbing, and trout fishing among other outdoor activities.

G&O has been responsible for the preliminary lot layouts, final design and permitting for the first three phases of roads, lots, central water distribution and sewer collection. In addition, to the lot development G&O has designed and permitted a 30, 000 GPD wastewater treatment plant and a water treatment and storage system to serve 642 homes. Each phase of the project was started with a cost estimate to evaluate the highest and best use of the land available. Two recreational lakes have been studied using the Raleigh North Carolina G&O office to complete a Hydraulic and Hydrographic study to determine the hazard classification and recommend final design criteria.

Fairmont General Hospital Healthplex
Fairmont, WV



Fairmont General Hospital's Healthplex is a medical-fitness facility that integrates physical therapy, cardiac rehabilitation, occupational medicine, and pulmonary rehabilitation. The focus of the project was to enhance the health status and improve the overall quality of life of the community.

Physician offices are located at the facility to provide the community with an all-inclusive location for outpatient medical and rehabilitation services. The medical office area houses a variety of medical practices. The facility serves the dual purpose of providing the necessary rehab for recovering patients and medically based fitness services for the community. In addition to rehabilitative medicine and medical offices, the Healthplex includes a therapy pool, heated lap pool and modern fitness area.

G&O was selected by Fairmont General Hospital and Browning Day Mullins Dierdorf Architects of Indianapolis, IN as the site design sub-consultant for the 6.3 acre parcel. Initially, G&O prepared the boundary and topographic survey for the site and coordinated the preliminary geotechnical investigations. The site design included, building location; parking lot layout; site access road; detailed utility design and location for water, sanitary sewer, storm drainage, gas and electric; stormwater management; erosion/sediment control; and finished grade elevations. As part of the site package G&O prepared NPDES application as required by the WVDEP.

The on-site stormwater management and drainage system was comprised of approximately six drop inlets/storm manholes, approximately 250 LF of storm sewer and an underground pipe gallery which provides approximately 10,000 cubic feet of on-site detention beneath the parking lot. The system consists of approximately 1350 linear feet of 36" diameter H.D.P.E. pipe with manifolds at each end. The outfall is a control structure utilizing an orifice/weir combination designed to limit stormwater discharges to pre-development levels.

Approximately 628 LF of PVC sanitary sewer was constructed on-site, with all necessary manholes and appurtenances. A small sanitary lift station was required to provide service to the bottom floor of the facility to drain a swimming pool.

Weatherford - Sand Silos and Siding Track
Century, WV

Weatherford International, Inc. is a Texas company which services the oil and gas industry for development of supply wells. The purpose of this project was to construct a railroad siding track and silos to store sand for their business.

G&O was selected as the site designer in charge of surveying, design and permitting for this project. G&O completed topographic surveying of the site as a support to the design initiative. The site design includes railroad siding track roads with two switches, parking, storm drainage, erosion/sediment control; and finished grade elevations. As part of the site package G&O is preparing an NPDES application as required by the WVDEP.

Flowers Bakery
Fairmont, WV

Flowers Bakery is a local distributer of baked goods which is relocating from an old location in Marion County to the new 6,600 SF distribution center. The center includes different truck dock heights for both the relay and delivery trucks as well as adequate drive areas to maneuver tractor trailer.

G&O was selected by Butler Properties, Inc. of Atlanta, GA as the site designer for a 1.75 acre parcel in the Marion Regional Business Park. Initially, G&O prepared the boundary and topographic survey for the site. The site design included, building location; parking lot layout; detailed utility design and location for water, sanitary sewer, storm drainage, gas and electric; stormwater management; erosion/sediment control; and finished grade elevations. As part of the site package G&O prepared NPDES application as required by the WVDEP.

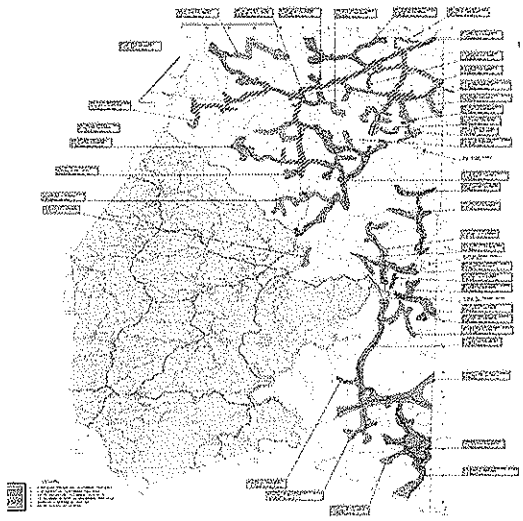
The on-site stormwater management and drainage system was comprised of approximately five drop inlets/storm manholes, approximately 460 LF of storm sewer pipe which empties into an on-site open detention pond located adjacent to the parking lot. The outfall is a control structure utilizing a multiple orifice's designed to limit stormwater discharges to pre-development levels.

Winebrenner's Crossing
Martinsburg, WV

Winebrenner's Crossing is a residential development near Martinsburg, WV where the developer is proposing to construct a MARC (Maryland Area Regional Commuter) train depot for the local area. MARC provides low cost transportation from Martinsburg, WV to Washington D.C and Baltimore, MD by allowing local resident to park near their home and use the mass transit facility in lieu of commuting via automobile.

G&O was selected as the site designer in charge of surveying, design and permitting for this project. G&O completed topographic surveying of the site as a support to the design department. The site design to this date includes conceptual design for loading platform along the existing rails, pedestrian crossings, shelter locations, warning lighting and signs and a 200 car parking lot.

Preston County PSD #4 Water System Planning
Preston County, WV



G&O is responsible for performing feasibility studies for potential water main extensions, review of requests for service and/or main extensions, cost estimating, water rate evaluations, system troubleshooting, and engineering design and construction inspection services for water main extensions within the Preston County Public Service District No. 4 service area.

G&O analyzed the entire existing system and evaluated all potential extension areas. Each area had a cost estimate prepared and a count of potential customers; these areas were then ranked by parameters such as cost per customer, total cost, and potential for funding. Preston County Public Service District #4 has many unique aspects to its system that required this evaluation to develop the understanding of the entire system to ensure stability throughout the expansion process.

Jane Lew PSD - Proposed Potable Water System Improvements
Lewis County, WV

Jane Lew PSD intends to replace approximately 11,500 lineal feet of 2" galvanized waterline including valves, removal and replacement of 25 existing gate valves, installation of 17 new gate valves in the existing distribution system, installation of 13 by pass meters, installation of an 8" diameter river crossing pipe to replace an existing crossing, install a SCADA controlled solenoid valve station and booster chlorination station, install 1,500 lineal feet of 2" PVC water line and a 37 gpm booster pump station to provide service to six new customers, and fence an existing 100,000 gallon water storage tank.

Project Relevance

- *Engineering Design*
- *Storage Systems*
- *Contract Drawings and Specifications*

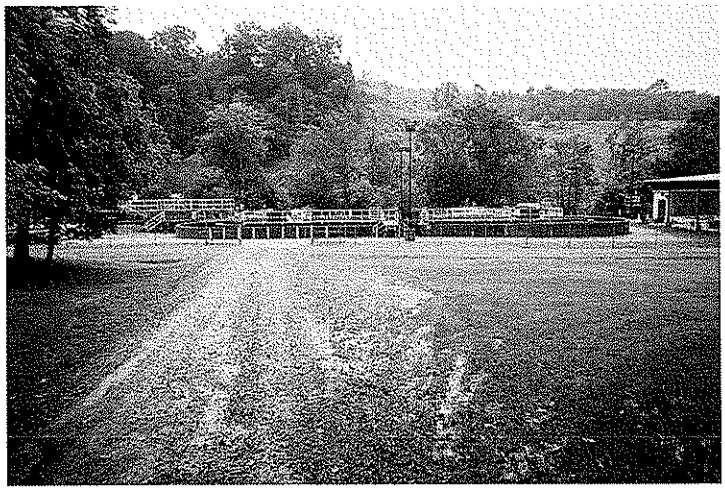
G&O is providing Jane Lew PSD with preliminary and final engineering design services for improvements to their original potable water distribution system and replacement of related components need to be

undertaken. The proposed improvements presented will provide Jane Lew Public Service District the ability to provide a safe and adequate potable water supply for both its existing and future customers.

The Jane Lew PSD has recently agreed to work in cooperation with the GHC PSD to develop a plan that would evaluate alternatives for providing a proposed future potable water source adequately sized to meet the demands of the entire Jane Lew PSD. GHC PSD and their consultant are working to provide the necessary information to provide this anticipated potable water source.

City of Shinnston Sanitary Sewer Collection and Treatment System Improvement Project

Harrison County, WV



G&O is currently providing preliminary and final engineering design services and construction management and inspection services for upgrades and improvements to the City of Shinnston's wastewater collection and treatment. The project consists of the rehabilitation of the City's existing 380,000 GPD wastewater treatment facility and existing wastewater collection system.

Preliminary engineering services include evaluations of existing wastewater treatment plant, and existing collection system. Extensive system evaluations were conducted to determine extent of Inflow and Infiltration rates being delivered to the treatment plant. This work was conducted through the use of portable flow meters inserted throughout the collection system as well as smoke and dye testing. Preliminary engineering services also include the planning and preparation of proposed improvement drawings, technical feasibility studies, environmental reports, cost estimating, and assistance in obtaining approval and funding from state and federal agencies.

Alpine Lake Public Utility Company Improvements to the Wastewater Treatment Plant & Collection System

Preston County, WV

G&O is currently providing preliminary and final engineering design services and construction management and inspection services for upgrades and improvements to the Alpine Lake Public Utilities Company wastewater treatment and collection system. The project consists of the construction of a new 150,000 GPD wastewater treatment facility complete with equalization basin, ultraviolet disinfection, effluent filters, mechanical head works and building, sludge process building, mechanical building, emergency generator and abandonment of existing treatment plant.

Project Relevance

- *Engineering Design*
- *Storage Systems*
- *Preparation of Contract Drawings and Specifications*

Preliminary engineering services include evaluations of existing wastewater treatment plant, and existing collection system. Extensive system evaluations were conducted to determine extent of Inflow and Infiltration rates being delivered to the treatment plant. This work was conducted through the use of portable flow meters

inserted throughout the collection system as well as smoke and dye testing. Preliminary engineering services also include the planning and preparation of proposed improvement drawings, technical feasibility studies, environmental reports, cost estimating, and assistance in obtaining approval and funding from state and federal agencies.

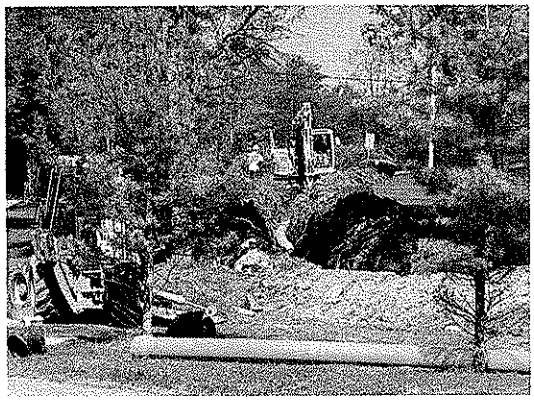
Final engineering design services include the design of accepted and approved alternatives, preparation of specifications; bid package preparation, construction management and inspection services, and as-built drawing preparation.

Preston County PSD #4 Clifton Mills Extension
Preston County, WV

G&O is responsible for design of a project that includes service line extensions to four areas. These areas are Clifton Mills Extension, Glade Farms/Dennis Road Extension, Area South of Rt. 26 and North of I-68, and Pisgah area Extensions. These extensions can serve one hundred ninety-six (196) additional customers plus a proposed housing development along Rt. 8/2.

Approximately 1,016 total customers will be served at completion of the proposed project with an estimated population of 2,743. The service area is located on both the north and south sides of Interstate 68 with both residential and commercial development in progress. Preston County has a large amount of potential growth. The District has also been approached by several developers interested in residential and commercial development.

Alpine Lake Public Utility Company Improvements to the Alpine Lake Water Treatment & Distribution System
Preston County, WV

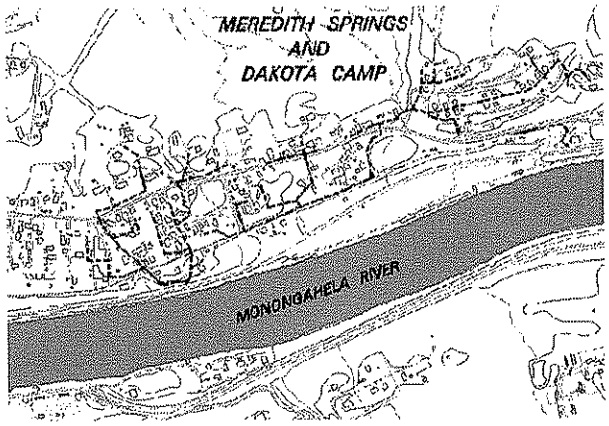


G&O provided the study, plan, and design for various improvements to the Alpine Lake potable water treatment and distribution system. The project consisted of the preparation of a Preliminary Engineering Report (PER) for submission to the West Virginia Infrastructure and Jobs Development Council (WVIJDC) and/or funding agencies for the purpose of securing funding. The PER evaluated the existing operation and condition of the water system, made recommendations for improvements and upgrades, identified project costs, and propose project funding scenarios. After the approval of the PER and receipt of funding, detailed construction drawings, project specifications, contract and bid documents were prepared. Upon review of bids received and award of a construction contract, construction management and inspection services were required to insure compliance with approved plans and specifications.

System improvements included the installation of (3) new water booster pumping stations, complete with duplex alternating pumps, discharge meters and telemetry, abandoning existing booster stations, installation of 355 water meter settings to include meters, meter boxes and lids, copper setters, and taps to main lines as well

as reconnection of existing customer service lines, replacement of 60 automatic air release valves, painting of (3) water storage tanks, fencing and misc. repairs at all water storage tanks sites, construction of a common treatment building, abandonment of existing Well #3 and Well #1, drilling of additional wells for use as backup raw water sources, purchase of additional safety equipment to be used both at the treatment building and within the distribution system, replacement of fire hydrants and installation of or removal and replacement of selected main line valves, replacement of 4500 LF of 10" SDR-26 water line with C-900 CL-200, construction of a new water billing office and other appurtenances necessary to complete the upgrades.

Sanitary Sewer Extension to the Meredith Springs/Dakota Camp Area
Marion County, WV



G&O provided design, prepared contract drawings and specifications, cost estimating, construction review, and preparation of O&M manual. The project involved the planning and design of new sanitary sewer and lift stations to provide service to approximately 100 homes in the Meredith Springs/Dakota Camp areas of Marion County, just outside of the corporate limits of the City of Fairmont. The project included the design of approximately 11,000 linear feet of gravity sanitary sewer, 500 linear feet of force main, four grinder pump stations and two main sewage lift stations, along with all necessary manholes and appurtenances.

The project was publicly funded by a grant/loan combination consisting of a Small Cities Block Grant and a low interest loan from the WV Department of Environmental Protection State Revolving Fund (SRF).

Kingmill Valley Sanitary Sewer Improvements
Marion County, WV

G&O is studying, planning, and designing sanitary sewer improvements to Millersville and surrounding areas of the Kingmill Valley service area. The project will consist of the completion of a Preliminary Engineering Report (PER) for submission to the West Virginia Infrastructure and Jobs Development Council (WVIJDC) and/or funding agencies for the purpose of securing funding. The PER will evaluate proposed improvements to Millersville and surrounding areas, identify project costs, and propose project funding scenarios. Upon approval of the PER and receipt of the funding, detailed construction drawings, project specifications, contract and bid documents will be prepared. Upon review of bids received and award of a construction contract, construction management and inspection services will be provided to insure compliance with approved plans and specifications.

City of Fairmont Sanitary Sewer Improvements
Marion County, WV

G&O provided preliminary and final engineering design services and construction management and inspection services for improvements to the City's existing sanitary sewer collection system. The project consisted of the study of the City's sanitary sewer collection system to identify and propose

Project Relevance

- *Site Investigation*
- *Preparation of Contract Drawings and Specifications*

correction of areas of significant inflow and infiltration (I&I) entering the sanitary sewer system. Preliminary engineering services included extensive sanitary sewer evaluation survey (SSES). The SSES included the detailed field inspection of existing facilities, smoke and dye testing, flow monitoring, line videos, and hydraulic modeling. Preliminary engineering services also included the planning of proposed improvements, feasibility studies, and assistance in obtaining funding.

Final design of accepted alternative, bid package preparation, construction management and inspection services, and as-built drawing preparation were also part of this project.

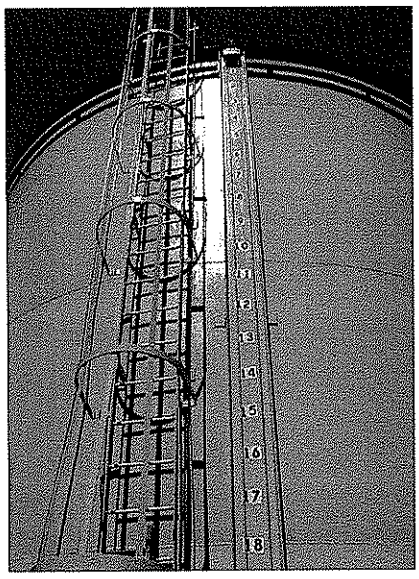
City of Shinnston Water System Upgrades and Improvements
Harrison County, WV

G&O provided preliminary engineering, detailed design, and construction management and inspection services for a major upgrade to the City of Shinnston's water distribution system. The project consisted of the study and evaluation of the City's water supply and distribution system to determine system deficiencies and areas needing repair.

Preliminary engineering services included extensive hydraulic modeling, water use forecasting, the preparation of a facilities plan for submission to the WVIJDC, and assistance in identifying and securing project funding.

Final engineering services included, bid package preparation, construction management and inspection services, and record drawing preparation.

Town of Grant Town Water System Improvements
Marion County, WV



Grant Town is a small community serving approximately 545 customers. In Grant Town and surrounding areas water is purchased from the City of Fairmont and is pumped to two steel reservoirs containing 300,000 gallons of storage. The project entails the replacement of approximately 23,000 linear feet of water main and extensions to serve additional customers. The project also included the replacement of the town's booster station and the evaluation and refurbishment of the reservoirs.

G&O provided a detailed hydraulic study for the planning and design of a water system upgrade. Preliminary design services included the submission of a preliminary engineering report and preparation of funding applications to the WV Infrastructure and Jobs Development Council (WVIDJC). Upon receiving a funding commitment, detailed construction drawings, project specifications, bid and contract documents were prepared. G&O reviewed the bids received and recommended award of a construction contract. Construction management and inspection services were provided to ensure compliance with approved plans and specifications.

Fairmont to Mannington Waterline Extension
Marion County, WV

G&O is responsible for design of a project that includes a major service line extended from Fairmont to serve Mannington. The City of Mannington originally had proposed to construct a new potable water treatment plant to replace their existing plant. However, due to escalating " proposed new plant" construction costs and the inadequacy in reliability of the raw water supply for the City of Mannington's potable water treatment plant, it was determined that an alternative solution for providing a potable water supply for the City of Mannington should be provided.

The proposed project consists of the installation of 67,000 lineal feet of 12" and 16"diameter water main, construction of a 1000 gpm booster pump station with booster chlorination, and a telemetry control system to provide potable water from the City of Fairmont to the City of Mannington.

TECHNICAL QUALIFICATIONS

GRASP OF PROJECT REQUIREMENTS

G&O shall comply with the following guidelines, specifications and requirements to implement the project:

- WVDEP Landfill Closure Assistance Program (LCAP) Design Guidelines
- U.S. EPA Guidelines
- In accordance with Federal, State & Local Regulations
- General Conditions and Standard Specifications

These standards cover a broad range of design and submittal requirements relating to topography, site characterization study hydrologic and hydraulic design, discharge limits, grading plan, details for impoundments, specifications, materials, etc.

DESIGN GUIDELINES

G&O shall comply with the following criteria, specifications and requirements:

- WVDEP Landfill Closure Assistance Program (LCAP) Design Guidelines
- U.S. EPA Guidelines
- In accordance with Federal, State & Local Regulations
- General Conditions and Standard Specifications

G&O is experienced in complying with design requirements for the construction of grading, erosion control, site planning and appurtenances. In preparing the design plans for WVDEP, G&O shall take into account such matters as:

- Environmental impacts
- Meeting allowable discharge limits
- Impacts to surrounding property
- Constructability / cost effectiveness
- System maintenance and overall cost-effectiveness

In order to produce the overall most cost-effective design, G&O shall take the following into account when preparing design plans:

- Environmental impacts
- Meeting allowable discharge limits
- Impacts to surrounding property
- Constructability / cost effectiveness
- System maintenance

APPROACH / METHODOLOGY

This section describes our understanding of the project and our approach to the tasks to be assigned under this contract. We have obtained this understanding from the expression of interest.

Project Kickoff Meeting

Prior to commencement of any project assessment or design, G&O will meet with WVDEP to clearly identify project goals, schedules, constraints and the design criteria. This step is useful in ensuring a quality project on the part of all parties and helps eliminate delays and cost overruns.

Pre-Design Final Feasibility Study

G&O shall perform a detailed review of the Final Feasibility Study and, if requested, provide design alternatives and cost estimates to help select the optimum design option. This study would utilize G&O's design experience to best accomplish the WVDEP's goal. Pre-design feasibility studies facilitate evaluation of viable alternatives and will allow the WVDEP to select the preferred alternative.

Design Phase, Bid-Ready Contract Drawings & Specifications

G&O is highly experienced in the development of construction bid documents, including plans, specification, estimates, and bid forms. We have developed these documents for public agencies at all levels. We subscribe to many of the governmental specifications systems and Master Spec. We are also very familiar with standard specifications and details approved by the WVDEP. Our past project experience has enabled us to develop a thorough understanding of specific design requirements such as mapping reference styles, standard notes, bid forms, and details to best convey to our clients and ultimately contractors the intent of the design. This leads to better bid cost upfront and fewer change orders during construction.

The design phase includes developing a Site Characterization Study, the collection of aerial mapping (if not currently available) to determine existing conditions, the preparation of plans for the management of leachate drainage and the closure cap, site dimensioning, grading and erosion control plans. Plan packages will include details and specifications for excavation, backfill, impoundments, pipes, outfall devices, closure cap profile and other required items pertaining to landfill closure.

In preparing the design plans, G&O shall take into account **environmental impacts, constructability, maintenance, impact to the surrounding area to produce the overall most cost-effective design.**

Geotechnical Investigation
The design of fill slopes could require soil borings and geotechnical study for proper design. G&O's sub-consultant (NGE) has geotechnical staff well experienced in field sub-surface studies, laboratory materials testing, data analyses, design recommendations, and construction methods for various projects in both private and public sectors.

Other Design Requirements

Other design considerations and information on the plans may include:

- Typical Details (drainage structures, ditches, impoundment structures, liners and closure cap)
- Sediment and erosion control
- Soils boring and geotechnical considerations
- Access roads and site plans (as needed)

Construction Cost Estimating

We believe that cost estimating must be an interactive part of the design process, providing budgetary feedback and value engineering on design alternatives. It is this participatory upfront input that allows the team to produce design concepts and drawing that are within the client's budget. Our cost control program builds value engineering into each design project. G&O will prepare, monitor, and finalize construction budgets and time estimates. Communication will occur at every phase of the project to ensure realistic costs. **G&O shall provide cost estimates with WVDEP approved unit items.**

Environmental Permitting

The G&O Team includes an environmental team experienced in minimizing and mitigating any impacts to environmentally sensitive areas associated with infrastructure projects. G&O shall assist WVDEP in identifying, avoiding if possible and/or minimizing impacts to environmental constraints e.g. forest cover, historical sensitive areas, wetlands and waters of the US. We shall also provide reports, impact sketches and supporting material to help obtain a Nationwide Permit from the Army

Corp of Engineers and clearance from Culture & History if necessary.

At the Federal level, we have in-depth familiarity with the following:

- National Environmental Policy Act regulations, issued by Council on Environmental Quality, 40 CFR 1500-1508
- Section 9/10 of the Rivers and Harbors Act
- Sections 404 and 401 of the Clean Water Act of 1977/Water Quality of 1987 (33 USC 125101376)
- Sections 10, 309, and 176 of the Clean Air Act of 1970, as amended (42 USC 7401 et seq.); and the Clean Air Act Amendments of 1987
- EPA Section 404(b)(1) Guideline
- Section 2, Fish & Wildlife Coordination Act (16 USC 1533)
- Executive Order, 11990, Protection of Wetlands
- Executive Order, 11988, Floodplain Management
- Federal Noise Control Act of 1972
- Section 106, National Historic Preservation Act of 1996, as amended (16 USC 470) regulations of the Advisory Council of Historic Preservation (36 CFR 800)

At the state and local levels, we have significant experience with the following:

- State Rules for Dams (47CSR34)
- Sediment and Erosion Control Regulations
- Stormwater Management Regulations
- WV Culture and History
- Water Quality Certification (Section 401)
- Fish and Wildlife

Coordination

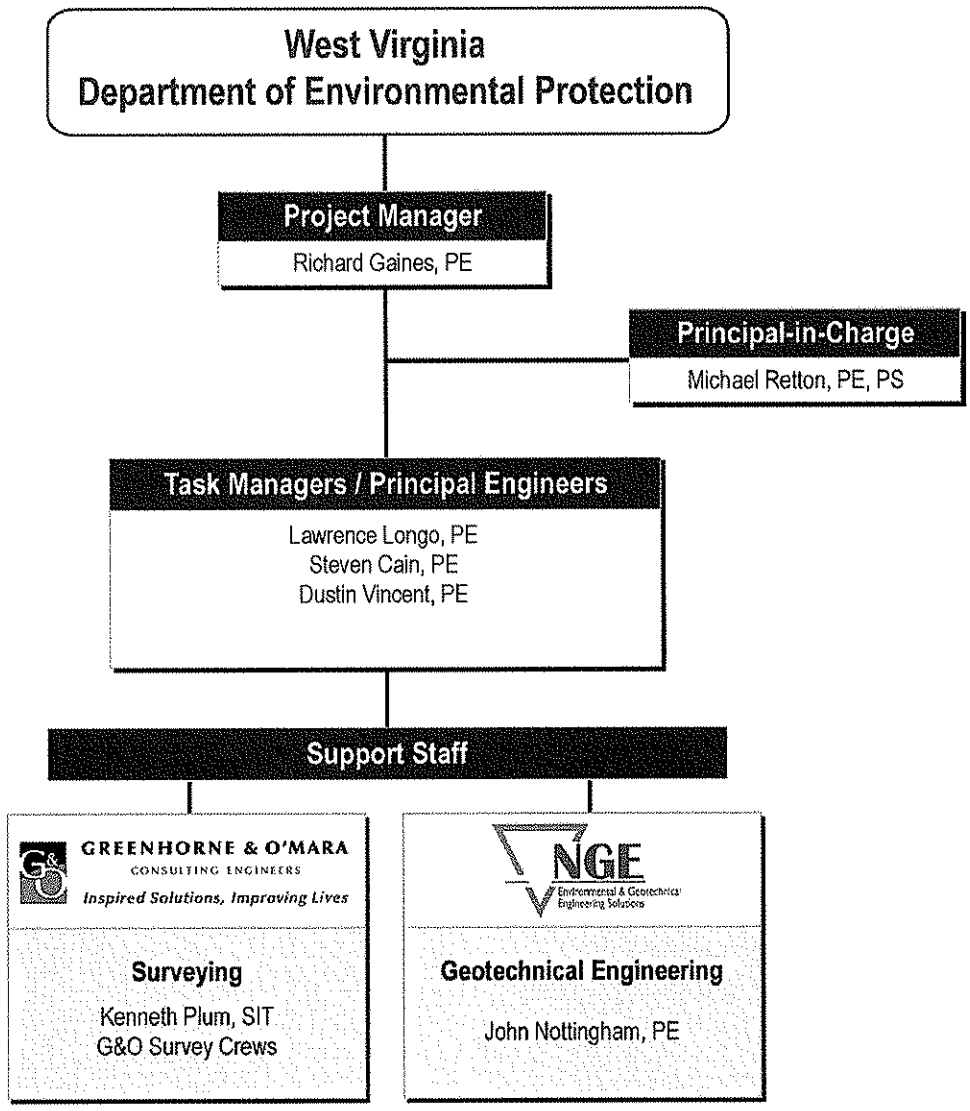
Coordination between G&O, WVDEP, and the current landfill owner will be extremely important to the success of the project. G&O will initialize and maintain effective communication between all parties involved in the project.

KEY PROJECT TEAM MEMBERS - QUALIFICATIONS AND EXPERIENCE

G&O's project organization for WVDEP has been carefully selected for this contract to offer top professionals from our Fairmont Office. Individuals offered in this proposal possess pertinent local experience in conducting studies and preparing plans associated with projects of this nature. We have also included professionals from our subconsultant team to provide ancillary services if required by WVDEP, including geotechnical engineering.

G&O's project organization for WVDEP has been carefully selected for this contract to offer high caliber professionals from our Fairmont office.

We present in this section our Team organization, followed by a summary of the pertinent **qualifications and experience. Additional staff information is included in our Expression of Interest.**



Michael Retton, P.E., P.S.

Principal-in-Charge

Education

B.S.C.E./1984/Civil Engineering/West Virginia University
Coursework/1986/Land Planning/Land Development/University of Virginia
Coursework/1987/Geotechnical Engineering/The George Washington University

Registration

Professional Engineer/1990/WV
Professional Engineer/1989/VA
Professional Engineer/1990/MD
Professional Engineer/1999/PA
Nat'l Council of Examiners for Engineering & Surveying/1990
Professional Engineer/2002/KY
Professional Engineer/2002/OH
Professional Engineer/2004/NC
Professional Surveyor/1995/WV

Affiliations

National Council of Examiners for Engineers and Surveyors, National Society of Professional Engineers, American Consulting Engineers Council, American Public Works Association, West Virginia Rural Water Association, National Public Works Association, American Society of Highway Engineers, American Council of Engineering Companies

Capabilities

Mr. Retton is a Professional Engineer and Professional Surveyor with 25 years of experience in engineering design and project management. Mr. Retton's transportation engineering experience includes the preparation of detailed design drawings for several roadway projects in West Virginia, Maryland, and Virginia. He also has a vast array of municipal engineering experience, from detailed utility planning, design, and construction, to detailed site design and stormwater management.

Assignment/Responisiblies

- Ensure availability of personnel and corporate financial resources
- Provide general guidance and advice to the Project Manager
- Solicit feedback on G&O contract performance from WVDEP

Experience

I-495 Capitol Beltway HOT/HOV Lanes PPP, Fluor-Lane, LLC, Fairfax, VA. Principal-in-Charge to provide right-of-way acquisition services and utility relocation services for 12 miles of widening and reconstruction with four High Occupancy Toll (HOT)/High Occupancy Vehicle (HOV) lanes in each direction. Providing field surveys, utility relocation plans, titles, plats, appraisal reports, appraised review, loss of parking studies and relocation services for the $900M project.

Morgantown Intersection Realignment, City of Morgantown, WV. Principal-in-Charge/Project Manager for the realignment of a five-way intersection within the City of Morgantown. The project requires that a detailed traffic and transportation study be performed to determine several design alternatives. The project includes mapping, planning, design, right-of-way appraisal and acquisition services, surveying, the preparation of project specifications, bid and contract documents, construction surveying/layout, and construction management and inspection services.

Fairmont-Mannington Water Transmission Main Extension, City of Fairmont, WV. Principal-in-Charge for the planning, design, and construction inspection of a 13-mile water main extension from the City of Fairmont to serve the City of Mannington. The project includes mapping, route surveys utilizing GPS, assistance in obtaining project funding, design of the 13-mile, 12-15 inch water main, preparation of specifications, bid and contract documents, right-of-way acquisition, construction surveys, and construction management and inspection services.

A-E Services for Engineering Field Surveys and Related Surveying, USACE, Huntington District. Principal-in-Charge for survey services to the Huntington District, consisting of the following: horizontal and vertical control surveys, HTRW surveys, structural deformation studies, route surveys, quantity surveys, land surveys, construction layout surveys, hydrographic surveys, geodetic surveys, and real property surveys of Government-owned land tracts, such as levees, reservoirs, or dredge disposal areas.

As-Needed Construction Surveying Services for WVDOH, Corridor H, West Virginia Department of Highways, Moorefield, Hardy County, WV. Principal-in-Charge for construction surveys for Corridor H, South Branch of the Potomac to East Dumpling Run Bridge. Under this contract, G&O is providing construction engineering and inspection services and as-needed surveying services for two bridges carrying the new Corridor H over U.S. 220 near Moorefield, WV. This project includes new highway and bridge construction, culvert replacements, roadway improvements, pavement overlays, or other various projects typical to road and bridge rehabilitation. Provided survey control, construction stakeout, Quality Assurance for survey field work performed by contractor.

Square at Falling Run Development. Square at Falling Run, LLC, Morgantown, WV. Principal-in-Charge for general consulting and design services for a 15 story apartment complex. Services included providing preliminary engineering for roadway, site, utility improvements, stormwater management, and the preparation of detailed plans and specifications for the apartment complex site plan and site utilities.

Ray Dental Office Site Plan, Linda Ray, DDS, Fairmont, WV. Principal-in-Charge for the preparation of a site plan and WVDEP Erosion and Sediment Control permit application for the proposed site development of the Linda Ray (Owner) dental office to be located on Lot No. 5 of the Valley Industrial Park Phase II.

Fairmont General Hospital Healthplex, Browning Day Mullins Dierdorf Architects, Fairmont, WV. Project Manager responsible for the overall site design of a 72,000 sf health care/ wellness facility. The project includes the preparation of preliminary and final grading plans for the six-acre site, parking lot layout and pavement design; the design of approximately 1100 linear feet of storm sewer, approximately 900 feet of sanitary sewer, 500 feet of potable water main; the design of a below grade stormwater management detention facility, the preparation of the site specifications, and required NPDES permits.

South Martinsburg Interchange, West Virginia Division of Highways. Principal-in-Charge of contract to provide construction engineering and inspection services for the South Martinsburg Interchange Project (Exit 12 on I-81). Our services include widening I-81 in Berkeley County, grade, drain, widening of an interstate overpass, base and asphalt pavement, and construction and sign installation.

Saltwell Road Utility Relocation, City of Shinnston, WV. Project Manager for the planning, design, construction management and construction inspection services for the relocation of water distribution and sanitary sewer collection facilities due to roadway construction. Responsibilities include detailed design, utility coordination, preparation of project specifications, bidding and contract documents, bid administration and construction engineering and inspection services. Project included the relocation of approximately 500 LF of sanitary sewer and approximately 50 LF of water main. The project is funded through the West Virginia Division of Highways.

Shinnston Retaining Wall and Sidewalk, City of Shinnston, WV. Principal-in-Charge for providing preliminary engineering design and construction services for construction of a pile and lagging retaining wall and sidewalk to be constructed along on High Street within the City of Shinnston. Services included the overall coordination of removing over 400 SY of concrete sidewalk and steps, followed by the replacement of concrete sidewalk and steps with over 786 LF of safety railing and 73 LF safety railing, pile and lagging style retaining wall, grouting repair of existing MPA style wall, MSE style retaining wall, and the replacement of 76 SY of asphalt along High Street.

Engineering, Design, and Construction Services for New Sidewalks, City of Morgantown, WV. Principal-in-Charge for the installation of concrete sidewalks. The project consists of all the work necessary to construct new concrete sidewalks with integral curbs including handicap access ramps including the development of detailed design drawings, project specifications, contract and bid documents, and construction management and inspection services.

Engineering, Design, and Construction Services for New Sidewalks, City of Fairview, WV. Principal-in-Charge for the planning, detailed design, specifications, cost estimates, construction bid documents, and construction engineering and inspection for the installation of new sidewalks along Main Street. The project also includes the removal of the existing sidewalks and the installation ramps to comply with ADA requirements. This project was TEA-21 funded and was designed in accordance with WVDOH regulations.

Boothsville T-Beam Bridge Replacement, Taylor County, WV. Project Manager responsible for the overall coordination and design for the replacement of the Boothsville T-Beam Bridge carrying Taylor County Route 73/73 over Hustead Run. The project includes the detailed design and preparation of construction contract plans and related documents, review of shop drawings and engineering during construction. The new bridge has a span of approximately 60' and is to be located in its present location. During construction of the replacement bridge, traffic will be maintained on a temporary detour road and bridge located downstream of the existing bridge. The construction project was completed in 2006.

Improvement to I-81 from MP17 to Virginia Line, West Virginia Division of Highways. Principal-in-Charge to provide construction engineering and inspection Services for I-81 Improvements Project. Our services include bridge rehabilitation, interstate widening and upgrading, and interstate interchange construction. The contract entailed the construction inspection and management services for various projects along this portion of I-81. These projects included: Dry Run Interchange, Route 9 Interchange Improvements, King Street interchange Improvements, I-81 widening through this area, and the installation of cable guardrail through the project areas.

Richard Gaines, P.E.

Project Manager

Education

B.S./1987/Civil Engineering Technology/Fairmont State College
A.S./1987/Mechanical Engineering Technology/Fairmont State College

Registration

Professional Engineer/2007/WV
Professional Engineer/2002/VA

Affiliations

Member of National Society of Professional Engineers, Member of the Florida Engineering Society-Chapter President 2005-2006

Capabilities

Mr. Gaines has 22 years of experience in project management and civil engineering related to land development projects. His design experience includes land plans, potable water distribution systems, sewer collection and pumping systems, drainage and grading plans and permitting.

Assignment/Responisiblies

- Serve as primary point-of-contact for WVDEP
- Handle all contract and technical matters
- Prepare task order proposals and negotiate task orders
- Designate task order managers and oversee task order execution
- Organize and apply personnel resources to meet contract commitments
- Monitor compliance with quality assurance and review processes
- Prepare progress reports and invoices
- Negotiate subcontracts
- Monitor MBE participation against the subcontracting plan
- Ensure that all activities are accomplished to advance the goals of WVDEP's programs and projects

Experience

Flowers Bakery – Commercial Site Plan, City of Fairmont, Marion County, WV. Project Manager for the development of a 6,600 SF distribution facility on a 1.76 acre lot at the Marion Regional Business Park. The design included passenger car parking, delivery truck loading docks, utility connections, stormwater management design and permitting with the City of Fairmont.

Dollar General – Commercial Site Plan, City of Fairmont, Marion County, WV. Project Manager for the development of a 9,100 SF retail facility on a 0.72 acre lot on Indiana Ave. on east side of Fairmont. The

design included passenger car parking, delivery truck loading docks, utility connections, stormwater management design and permitting with the City of Fairmont.

Fisher Mountain Estates – Residential Subdivision, Pendleton County, WV. Project Manager for a 1000 lot residential subdivision which includes conceptual land plans, final construction drawings for roads, utilities, water treatment plant and storage tanks, wastewater treatment plant and permitting.

Fairmont General Hospital Healthplex, Browning Day Mullins Dierdorf Architects, Fairmont, WV. Project Engineer responsible for the overall site design of a 72,000 SF health care/wellness facility. The project includes the preparation of preliminary and final grading plans for the six-acre site, parking lot layout and pavement design; the design of approximately 1100 linear feet of storm sewer, approximately 900 feet of sanitary sewer, 500 feet of potable water main; the design of a below grade stormwater management detention facility, the preparation of site specifications, and required NPDES permits.

Jane Lew PSD – Proposed Potable Water System Improvements Project, Lewis County, WV. Project Engineer for the replacement of approximately 11,500 lineal feet of 2" galvanized waterline including valves, removal and replacement of 25 existing gate valves, installation of 17 new gate valves in the existing distribution system, installation of 13 by pass meters, installation of an 8" diameter river crossing pipe to replace an existing crossing, install a SCADA controlled solenoid valve station and booster chlorination station, install 1,500 lineal feet of 2" PVC water line and a 37 gpm booster pump station to provide service to six new customers, and fence an existing 100,000 gallon water storage tank.

Fairmont-Mannington Water Transmission Main Extension, City of Fairmont, WV. Planning, design, and construction inspection of a 13-mile water main extension from the City of Fairmont to serve the City of Mannington. The project includes mapping, route surveys utilizing GPS, assistance in obtaining project funding, design of the 13-mile, 12-15 inch water main, preparation of specifications, bid and contract documents, right-of-way acquisition, construction surveys, and construction management and inspection services.

Lakewood Ranch High School, Manatee County School Board, Bradenton, FL. Project Engineer responsible for design of utilities for a 2000 student high school. The project included design of a water and sanitary sewer system for a new school campus. The system included water distribution mains, gravity sanitary sewer and a sanitary sewer lift station.

Manatee County Technical Institute - Caruso Road Campus, Manatee County School Board, Bradenton, FL. Project Manager responsible for design of a 75 acre technical school campus. The project included the construction of a vocational school (283,794 SF), accessory buildings, parking lots, stormwater treatment areas, water and sanitary sewer extensions.

Braden River High School, Manatee County School Board, Bradenton, FL. Project Manager responsible for design, permitting and construction observation for a 2000 student high school on a 92 acre campus. The project consisted of several buildings for a total of 423,000 SF as well as associated parking, athletic fields and lakes. The design elements included grading, drainage, water system and sanitary sewer mains with a lift station.

Kinnan Elementary School, Manatee County School Board, Bradenton, FL. Project Engineer responsible for design, permitting and construction observation of a 1000 student elementary school. The design elements included grading, drainage, water system and sanitary sewer mains with a lift station.

Haile Middle School, Manatee County School Board, Bradenton, FL. Project Engineer responsible for construction observation of a 1500 student middle school. The construction observation included onsite inspections, processing of reviewing and approving pay applications, change orders requests. The responsibility also included the final certification through all jurisdictional agencies.

Rowlett Elementary School, Manatee County School Board, Bradenton, FL. Project Engineer responsible for design, permitting and construction observation of a 1000 student elementary school on a 15 acre campus. The design elements included demolition, grading, drainage, water system and sanitary sewer mains.

Samoset Elementary School, Manatee County School Board, Bradenton, FL. Project Engineer responsible for design, permitting and construction observation of a 500 student elementary school situated on 7.5 acres. The proposed project consisted of an elementary school campus with a 49,164 S.F. building as well as associated parking, play areas and lakes The design elements included demolition, grading, drainage, water system and sanitary sewer mains.

Stewart Elementary School, Manatee County School Board, Bradenton, FL. Project Manager responsible for design, permitting and construction observation for a new multi-classroom building addition to an existing elementary school.

Palma Sola Bay Club, Palma Sola Bay Club Development, L.L.C., Bradenton, FL. Project Manager responsible for overall design and permitting for 207 upscale condominium units. The project consisted of 23 - 9 unit condominiums with all streets, water distribution, gravity sanitary sewer, sanitary sewer lift station, drainage and grading on a 33 acre site. Permits were obtained from the Southwest Florida Water Management District and U.S. Army Corp of Engineers for wetland impacts and mitigation.

Lakewood Ranch Development, Lakewood Ranch Development, L.L.C., Bradenton, FL. Project Manager in charge of design, permitting and construction observation on multiple projects in a 5,000 acre subdivision. The subdivision is a master planned community with a mixture of single and multi family residences along with commercial and industrial uses. Responsible for overseeing all facets of the projects for single lot site plans, residential and commercial parcel designs which includes roads and utilities.

Tropicana Juice Storage Facility, Tropicana Products, Inc, Bradenton, FL. Project Manager responsible for site planning, design, permitting and construction observation for a 25 acre tank juice storage facility. The project included the layout and design for a 90' tall refrigerated tank building to store 45M gallons of orange juice. The design included stormwater facility and piping layout, water and sewer main extensions as well as process sewer system design.

Caruso Road 4 Lane, Manatee County School Board, Bradenton, FL. Project Manager responsible for design, permitting and construction observation for a two lane county highway widening project. The project included the widening of approximately one mile of county highway from two lanes to a divided four lane highway with required turn lanes. Coordination and scheduling of the relocation of utilities and construction of stormwater management facilities was required.

Manatee County 53rd Ave Widening, Manatee County Government, Bradenton, FL. Project Engineer responsible for utility design of new and relocated utilities as a result of widening a two lane roadway to four lanes. The project included the design for the relocation and addition of water mains, sanitary sewer force mains and reclaimed water mains.

CSX Railroad Expansion - Bradenton Yard (Phases I - IIB), CSX Transportation, Inc., Jacksonville, FL. Project Manager in charge of designing, permitting and construction observation of a three phase project to include a main line relocation, two rail storage spurs and a new cross docking siding rail.

Tropicana Warehouse 19, Tropicana Products, Inc, Bradenton, FL. Project Manager in charge of preparing a site plan and permitting for a warehouse truck and railroad docking facility.

Tropicana Corporate Office Building, Tropicana Products, Inc, Bradenton, FL. Project Manager responsible for the design, permitting and construction observation for a new four story office building. The project included reconstruction of 10 acre parking lot with required stormwater detention facilities and water, fire and sanitary sewer main extensions.

Lawerance Longo, P.E.

Task Manager/Principal Engineer

Education

M.S./Environmental Engineering/New Jersey Institute of Technology
B.S./Civil Engineering/Newark College of Engineering
Certificate/OSHA 29 CFR 1910.120 40 hour Safety Training

Registration

Professional Engineer/NC/026292
Professional Engineer/NJ/25627
Professional Engineer/NY/58521
Professional Engineer/PA/52652-E
Professional Engineer/RI/6871
Professional Planner/NJ/2182
Professional Engineer/SC
Undergound Storage Tank Certification/NJ/0011847
Certified Public Manager Level I
Certified Public Manager Level II
Certified Public Manager Level III

Affiliations

American Council of Engineering Companies, Society of American Military Engineers

Capabilities

Mr. Longo is a Senior Program/Project Manager and Professional Civil Engineer with more than 32 years engineering experience in public and private sector civil engineering and construction projects. He has an array of experience which includes design and construction of projects for various military installations, land development, environmental compliance, site civil engineering, utility design, and construction management services. He has taken projects from inception at the preliminary site planning stage through design, permitting, bidding documents, and the administration of the construction contract in both the public and private sector.

Assignment/Responisiblies

- Prepare Work Plans for review by the Project Manager and WVDEP
- Coordinate work with the G&O Project Manager
- Direct or execute work on individual task orders
- Report progress, expenditures, and results to the Project Manager

Experience

GEMS Landfill Closure, Gloucester Township, Camden County, NJ. This was a federal Superfund project which involved the closure of an abandoned landfill where volatile organics affected soil, groundwater, and surface water. A landfill cap comprised of both a synthetic liner and a clay soil liner was installed along with a leachate collection system, gas collection system, stormwater collection channels and a detention basin, and other site improvements.

BEMS Landfill Closure, Southampton Township, Burlington County, NJ. This was a landfill closure project funded by the State of New Jersey. Organic and metal contamination affected both groundwater and surfacewater. Remedial measures included a clay liner and synthetic cap, a leachate collection system, a gas collection system, and onsite flare, stormwater management facilities, and other site improvements.

Syncon Resins Company (Site Closure and Remediation); *Town of Kearny, Hudson County, NJ.* This Superfund site was a 15-acre abandoned paint manufacturing facility with organic, metals, PCBs and other contaminants in both the groundwater and soil. A soil removal was completed, along with the construction of a groundwater collection and treatment system that discharges to the Passaic River.

Lipari Landfill Closure; Mantua Township, Gloucester County, NJ. This Superfund site, ranked number one on the federal USEPA National Priority List, was an abandoned 16 acre landfill. Volatile organics and metals affected both soil and groundwater. Remediation measures included a slurry wall, landfill cap, and a groundwater collection and treatment system.

Prices Landfill Closure; Pleasantville, Atlantic County, NJ. This Superfund site is an abandoned landfill with petroleum hydrocarbons and volatile organics in groundwater. Groundwater extraction wells are proposed to contain the plume and capture contaminated groundwater for onsite treatment and groundwater recharge of the effluent.

E. M. Sector Holding Corp., Superfund Cleanup Project, Bergen County, NJ. Mr. Longo is the Project Manager for this Superfund Project under the regulatory review of NJDEP and EPA Region II. Mr. Longo is managing the remedial investigations, remedial design, remedial action oversight, and all regulatory submissions and applications. Remedial actions completed to date include soil removal, provision of an onsite soil capping area, storm drainage improvements, thermal treatment of soil, leachate collection and treatment, wetlands mitigation, and other supplementary remedial activities associated with the site closure. Mr. Longo is also providing engineering and landuse planning services to support the client's efforts to redevelop the site.

Napp Technologies, Inc., ISRA Site Remediation and Closure, Bergen County, NJ.Mr. Longo is serving as the Project Manager for this abandoned industrial site undergoing remediation and closure under New Jersey's ISRA program. In addition to remedial investigation and predesign activities being conducted, ENSR is also conducting interim cleanup actions, building demolition, and UST removal actions. Mr. Longo has presented remedial investigation documents and remedial action proposals to the NJDEP on behalf of the client to maintain a pro-active strategy for this site cleanup. ENSR is also providing support to the client in plans for site redevelopment.

Village of Mount Kisco, New York, Landfill Closure, Mount Kisco, NY. Mr. Longo is the Professional Engineer of Record for the closure of this abandoned municipal landfill in Mount Kisco, N.Y. ENSR has provided professional services in design, preparation of closure plans and specifications, permit acquisition, and construction oversight.

Air Products and Chemicals, Inc., Abandoned Lime Pond Closure, Elkton, MD. Mr. Longo was the Manager of Engineering for this abandoned lime pond closure. ENSR provided services in site

investigations, cap design, permit acquisition, construction plans and specifications, and construction oversight.

Fort James Corp, Site Closure of a Paper Mill, Riegelsville, NJ. Mr. Longo was the Project Engineer for this project which involved the closure of an abandoned paper mill under the N.J ISRA program. Mr. Longo prepared engineering drawings, drainage plans, certified permit applications submitted to various departments within NJDEP, and provided construction inspection services.

BOC Gases Lime Pond Closure Project,Greenville, SC. Project Manager for this lime pond closure project which included the design and installation of a clay soil cap over the lime pond, removal of solid waste, and installation of groundwater monitoring wells.

Burnt Fly Bog Wetlands Remediation; Marlboro Township, Monmouth County, NJ. This Superfund site, a freshwater wetlands encompassing over 1500 acres, was contaminated with volatile organics, petroleum hydrocarbons, PCBs, and lead in groundwater and surfacewater. Extensive ecological and biological studies were conducted to assess potential environmental impacts and remedial alternatives.

Williams Property Cleanup; Middle Township; Cape May County, NJ.This Superfund site included an abandoned private residence and surrounding property. Volatile organic contamination affected soil and groundwater. Local private potable wells were closed and a public water supply line provided. Contaminated soil was removed, and a groundwater treatment plant was constructed which reinjected treated effluent back into the aquifer.

Carolina Power and Light/Progress Energy, North Carolina - Provided engineering and regulatory services to obtain a soil erosion permit and stormwater permit for a 200-mile gas line installation project in six counties of eastern North Carolina. Engineering services also included providing technical support in estimating construction quantities for the project.

Steven Cain, P.E.

Task Manager/Principal Engineer

Education

BS/1992/Civil Engineering/Fairmont State College
Short Course/Contemporary Wastewater Treatment Plant Design and Operation/University of Wisconsin
Short Course/Erosion and Sediment Control/Glenville State College
Short Course/Essential MicroStation/MicroStation Institute

Registration

Professional Engineer/2002/WV
Professional Engineer/2001/PA

Affiliations

Water Environment Federation, Member

Capabilities

Mr. Cain has more than 15 years experience in project management and civil engineering design. His career has encompassed many aspects of civil engineering including land surveying, site development, sanitary sewer network design, wastewater treatment system design, potable water system design, hydraulic modeling, utility planning, computer aided drafting, and construction engineering and inspection of all water and sewer facilities.

Assignment/Responisiblies

- Prepare Work Plans for review by the Project Manager and WVDEP
- Coordinate work with the G&O Project Manager
- Direct or execute work on individual task orders
- Report progress, expenditures, and results to the Project Manager

Experience

I-495 Capitol Beltway HOT/HOV Lanes PPP, Fluor-Lane, LLC, Fairfax, VA. Project designer responsible for water and sanitary utility relocation services for 12 miles of widening and reconstruction with four High Occupancy Toll (HOT)/High Occupancy Vehicle (HOV) lanes in each direction.

Internal Revenue Service Enterprise Computing Center, GSA Allegheny Service Center, Kearneysville, WV. Project designer responsible for the updating of an existing Spill Prevention, Control, and Countermeasure (SPCC) Plan and WVDEP Underground Injection Permit. Work included field investigation of storm sewers and oil water seperators to determine illicit discharge connections and surveying of existing features to development base mapping.

United States Custom House, GSA Allegheny Service Center, Philadelphia, PA. Project designer responsible for the preparation of a Spill Prevention, Control, and Countermeasure (SPCC) Plan and Operation and Management (O&M) Plan. Work included field investigation of basement sumps, underground storage tanks and discharge points into storm sewers, to determine possible illicit discharge connections, surveying of existing features to development base mapping and the design of secondary containment practices within the building location.

Gypsy Bridge Waterline Replacement City of Shinnston, WV. Project Manager for providing engineering design and construction services for the construction of a 2" waterline relocation for the Gypsy Bridge replacement project near Shinnston, WV.

Jane Lew PSD – Proposed Potable Water System Improvements Project, Lewis County, WV. Project Manager for the replacement of approximately 11,500 lineal feet of 2" galvanized waterline including valves, removal and replacement of 25 existing gate valves, installation of 17 new gate valves in the existing distribution system, installation of 13 by pass meters, installation of an 8" diameter river crossing pipe to replace an existing crossing, install a SCADA controlled solenoid valve station and booster chlorination station, install 1,500 lineal feet of 2" PVC water line and a 37 gpm booster pump station to provide service to six new customers, and fence an existing 100,000 gallon water storage tank.

Fisher Mountain Estates – Residential Subdivision, Pendleton County, WV. Assistant Project Manager for a 1000 lot residential subdivision which includes conceptual land plans, final construction drawings for roads, utilities, water treatment plant and storage tanks, wastewater treatment plant and permitting.

City of Fairmont, Waterline Relocation - Route 250 Utility Relocation, Fairmont, WV. Mr. Cain assisted the project manager in the creation of plans for the relocation of the water line located along the east side of Rt. 250 South of Fairmont for the City of Fairmont in preparation for a road widening project. Mr. Cain served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

City of Shinnston, Fairmont Avenue - Route 250 Utility Relocation, Fairmont, WV. Mr. Cain assisted the project manager in the creation of plans for the relocation of the raw water line located along Rt. 250 South of Fairmont for the City of Shinnston in preparation for a road widening project. Mr. Cain served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

Town of Franklin, Franklin, WV. Prepared for submission to the West Virginia Infrastructure Jobs and Development Council for a preliminary engineering report detailing the proposed replacement of the Town of Franklins existing 200,000 GPD lagoon system wastewater treatment plant with a new 250,000 GPD Sequencing Batch Reactor (SBR) wastewater treatment plant.

Kingmill Valley PSD Sewer Upgrades, Pleasant Valley, WV. Responsible for the overall design, bidding documents with technical specifications, bidding procedures, construction engineering, and budget control for inflow and infiltration (I&I) corrections to the Districts existing collection system. Other responsibilities included the acquisition of a West Virginia Public Service Commission certificate, a Water Development Authority Loan, and a West Virginia Division of Environmental Protection NPDES permit modification.

Kingmill Valley PSD Sewer Upgrades, Pleasant Valley, WV. Prepared preliminary engineering report for the submission to the West Virginia Infrastructure Jobs and Development Council for the design and construction of a new wastewater collection system for the Millersville area of Pleasant Valley, WV. The project also includes the design of upgrades to 9 existing wastewater pumping stations. Preliminary engineering report included preliminary engineering design, cost estimates, and proposed funding scenarios.

Sanitary Sewer Improvements, City of Shinnston, Shinnston, WV. Project Manager for the preliminary and final engineering design services for the sanitary sewer system improvements for the Shinnston Sanitary Board. The project consists of the study of the city's entire sanitary sewer system and identifying areas where significant amounts of inflow and infiltration (I&I) are entering the sanitary sewer system and proposing corrective action. Preliminary engineering services include extensive sanitary sewer evaluation surveys (SSES), which entail detailed field inspection of existing facilities, smoke and dye testing, flow monitoring, line videos, and hydraulic modeling. Preliminary engineering services also include the planning of proposed improvements, feasibility studies, and assistance in obtaining funding. Final design of accepted alternatives, bid package preparation, construction management and inspection services, and as-built drawing preparation are also part of this project. (3.0M)

Street Lighting Project Phase II, Town of Lumberport, WV. Project Manager for providing the planning, detailed design, specifications, cost estimates, construction bid documents, and construction engineering and inspection for the installation of 12 additional new historic style street lights. This project was TEA-21 funded.

Fairmont-Mannington Water Transmission Main Extension, City of Fairmont, WV. Civil Engineer for the planning, design, and construction inspection of a 13-mile water main extension from the City of Fairmont to serve the City of Mannington. The project includes mapping, route surveys utilizing GPS, assistance in obtaining project funding, design of the 13-mile, 12-15 inch water main, preparation of specifications, bid and contract documents, right-of-way acquisition, construction surveys, and construction management and inspection services. ($4.5M)

Shinnston Retaining Wall and Sidewalk, City of Shinnston, WV. Project Manager for providing preliminary engineering design and construction services for construction of a retaining wall and sidewalk on High Street and city owned steps leading down from High Street.

Architectural Services, Street Lighting Project and Sidewalk Repair in Downtown, Town of Lumberport, WV. Project Manager for providing the planning, detailed design, specifications, cost estimates, construction bid documents, and construction engineering and inspection for the installation of 12 new historic style street lights. The project also included the installation of brick pavers for the trench rehab. This project was TEA-21 funded.

Ray Dental Office Site Plan, Linda Ray, DDS, Fairmont, WV. Project Manager for the preparation of a site plan and WVDEP Erosion and Sediment Control permit application for the proposed site development of the Linda Ray (Owner) dental office to be located on Lot No. 5 of the Valley Industrial Park Phase II.

Engineering, Design, and Construction Services for New Sidewalks, City of Morgantown, WV. Project Manager for the installation of concrete sidewalks consists of all the work necessary to construct new concrete sidewalks with integral curbs including handicap access ramps. $27,400.

Engineering, Design, and Construction Services for New Sidewalks, City of Fairview, WV. Project Manager for providing preliminary evaluation, final design, and related construction services for the construction of new sidewalks for the Downtown area along Main Street from Washington Street to Lee Street. $26,800.

Alpine Lake Water and Sewer Improvements, Alpine Lake, WV. Civil Engineer for the preliminary design, detailed design, and construction services for a $1.6 M water system improvement project and a $3M wastewater collection and treatment system upgrade. Improvements to the water system includes the design of Booster pump station upgrades, distribution line replacement, and storage tank improvements. Improvements to the wastewater system include the design of collection system improvements and the design of a new 150,000 GPD wastewater treatment plant.

Dustin Vincent, P.E.

Task Manager/Principal Engineer

Education

BS/Mechanical Engineering/Fairmont State College

Registration

Professional Engineer/2007/WV

Capabilities

Mr. Vincent has 12 years experience in general civil engineering projects. His career has encompassed many aspects of civil engineering including site development, water distribution design, and streetscape and revitalization.

Assignment/Responisiblies

- Prepare Work Plans for review by the Project Manager and WVDEP
- Coordinate work with the G&O Project Manager
- Direct or execute work on individual task orders
- Report progress, expenditures, and results to the Project Manager

Experience

Preston County PSD#4, Lenox-Cuzzart Waterline Extension Project, Preston County, WV. Project Engineer for the design and specifications of a water system extension project for 341 additional customers. This project involves over 42 miles of waterline extensions, a water booster pump stations, environmental reporting, and improvements to the water treatment plant.

Bossi Building Demolition Project, Town of Rivesville, WV. Mr. Vincent served as project engineer in the creation of contract documents and specifications for the demolition and land restoration of a commercial building located in the Town of Rivesville. The scope of work included asbestos testing and reporting as part of the specifications. Mr. Vincent served as a contact point for the project.

Preston County PSD#4, Clifton Mills Waterline Extension Project, Preston County, WV. Project Engineer for the design and specifications of a water system extension project for 190 additional customers. This project involves over 21 miles of waterline extensions, a water booster pump stations, environmental reporting, and improvements to the water treatment plant.

Mountainside Properties, Commercial Development Property, Mt. Clare, WV. Mr. Vincent served as the project engineer and contact point for the project, and also assisted the project manager in the completion and filing of permits to the Department of Environmental Protection for a submittal of the WV Construction Storm Water General Permit, and working with the developer to obtain cut and fill information along with permanent storm water system sizing and location.

Grafton Long Term Control Plan, City of Grafton, WV. Mr. Vincent served as project engineer in the creation of the Long Term Control Plan for the Sanitary and Storm Sewer System for the City of Grafton. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling the report, project documents, and submitting report to Department of Environment Protection.

Asbestos Abatement and Demolition Projects, Clarksburg Urban Renewal Authority, City of Clarksburg, WV. Mr. Vincent served as project engineer in the creation of contract documents and specifications for 29 different contracts that included the asbestos abatement and demolition of 154 various structures for the City of Clarksburg. These structures were both residential and commercial. Mr. Vincent served as a contact point for the projects.

Preston County PSD#4, Preliminary Engineering Report, Preston County, West Virginia. Project Engineer for water system extension project for a 190 additional customers. Our services included providing a preliminary engineering report and funding application preparation for water line extensions and improvements and upgrades to the water booster pump stations, and water storage tanks.

Crestview Estates, John Benincosa, Stonewood, WV. Mr. Vincent was responsible for the creation of the construction plans, specifications and details for the Sanitary Sewer System and Water System Extensions for the developer. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling the specification, project documents, developing construction plans, and filing alternate mainline extension agreements with the City, filing for a Health Department Permit, and preparing design manual.

Walnut Street Streetscape Improvements, City of Morgantown, WV. Mr. Vincent was responsible for the creation of plans for the streetscape improvements project to install sidewalks along Walnut Street in Morgantown. This includes colored stamped concrete, period lighting, an MSE style retaining wall, relocation of utilities, and coordination with landscape architect, beautification committee, and tree board. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

Shinnston Sanitary and Storm Sewer Final Design, Shinnston, WV. Mr. Vincent assisted the project manager in the creation of the construction plans, specifications and details for the Sanitary and Storm Sewer System for the City of Shinnston. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling the specification, project documents, developing construction plans, and submitting report to proper agencies.

Lyonsouth, Commercial Development Property, Nutter Fort, WV. Mr. Vincent served as the project engineer and contact point for the project, and also assisted the project manager in the completion and filing of permits to the Department of Environmental Protection for an MR-4C Incidental Coal Removal Permit, an update to the WV Construction Storm Water General Permit, and working with the developer to obtain cut and fill information along with permanent storm retention pond sizing and location.

West Fork Onsite Community Cooperative, Inc. Comparative Analysis, Harrison County, WV. Mr. Vincent served as the project engineer and contact point for the project, and also assisted the project manager in the creation of a preliminary engineering report for the West Fork Coop. The report analyzes the four communities of Arlington, Glen Falls, Dawmont and Gore and compares four different alternatives to provide sanitary sewer service to those communities. The alternatives include a conventional gravity system, a grinder pump low pressure style system, and a combination of alternative systems, including individual on-site and cluster systems. The "cluster" system includes individual septic tanks for primary treatment, gravity collection of effluent and pumping the 'grey water' to a community absorption field.

Patteson Drive Sidewalk Improvements, Morgantown, WV. Mr. Vincent assisted the project manager in the creation of plans for the improvements to sidewalks along Patteson Drive in Morgantown. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

West Fork Onsite Community Cooperative, Inc. Sanitary Sewer, Harrison County, WV. Mr. Vincent served as the project engineer and contact point for the project, also created construction plans for a demonstration project of an alternative style sewer system, submitted for Health Department approval, and prepared the design manual. The "cluster" system includes individual septic tanks for primary treatment, gravity collection of effluent and pumping the 'grey water' to a community absorption field.

City of Fairmont, Waterline Relocation - Route 250 Utility Relocation, Fairmont, WV. Mr. Vincent assisted the project manager in the creation of plans for the relocation of the water line located along the east side of Rt. 250 South of Fairmont for the City of Fairmont in preparation for a road widening project. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

City of Shinnston, Fairmont Avenue - Route 250 Utility Relocation, Fairmont, WV. Mr. Vincent assisted the project manager in the creation of plans for the relocation of the raw water line located along Rt. 250 South of Fairmont for the City of Shinnston in preparation for a road widening project. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

City of Fairmont, Sanitary Sewer Relocation - Route 250 Utility Relocation, Fairmont, WV. Mr. Vincent assisted the project manager in the creation of plans for the relocation of the sanitary sewer line located along the west side of Rt. 250 South of Fairmont for the City of Fairmont in preparation for a road widening project. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

WV 19 South Sanitary Sewer Extension, City of Clarksburg Sanitary Board, Clarksburg, WV. Mr. Vincent assisted the project manager in the creation of plans for the extension for sanitary sewer service along WV 19 South of Clarksburg for the City of Clarksburg Sanitary Board. Served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

James and Darst Streets Sidewalk Improvements, Morgantown, WV. Mr. Vincent assisted the project manager in the creation of plans for the improvements to sidewalks at James and Darst Streets in Morgantown. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

High Street Sidewalk and Retaining Wall Improvements, Shinnston, WV. Mr. Vincent assisted the project manager in the creation of plans for the Improvements to High Street in Shinnston. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling field notes, developing construction plans, and assembling construction details.

Shinnston Sanitary and Storm Sewer Facilities Plan, Shinnston, WV. Mr. Vincent assisted the project manager in the creation of the Preliminary Engineering Report for the Sanitary and Storm Sewer System for the City of Shinnston. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling the report, project documents, developing preliminary construction plans, and submitting report to proper agencies.

Shinnston Long Term Control Plan, Shinnston, WV. Mr. Vincent assisted the project manager in the creation of the Long Term Control Plan for the Sanitary and Storm Sewer System for the City of Shinnston. Mr. Vincent served as a contact point for the projects, as well as project engineer compiling the report, project documents, developing preliminary construction plans, and submitting report to Department of Environment Protection.

Kenneth Plum, S.I.T

Lead Surveyor

Education

1986/Architectural Engineering/Fairmont State College

Capabilities

Mr. Plum's responsibilities include: obtain, coordinate, and check all field work. Perform all court house research, reduce field notes, balance and adjust traverses, calculate where to set property corners, prepare plats, legal descriptions, and survey reports for various residential boundary surveys and mortgage/loan inspections. Assist professional engineers by obtaining topographic and as built information on various utility projects. The Topcon GTS-235W, TDS Recon data collector and various levels are used to perform these surveys.

Assignment/Responisiblies

- Prepare Survey info for the project
- Coordinate work with the G&O Project Manager
- Direct Survey Crews
- Report progress, expenditures and results on the project

Experience

Corridor H, WV 48, West Virginia Division of Highways, Scherr, WV. Supervising Surveyor for survey verifying original ground with conventional cross sections and verifying control, for the construction phase of a new segment of four lane roadway through the Scherr, WV area.

Fairmont Sanitary Sewer Project, City of Fairmont, WV. Survey Project Manager in charge of all surveying aspects of a $6M sanitary sewer replacement project including topographic and location surveys.

Fairmont-Mannington Water Main Extension, City of Fairmont, WV. Survey Project Manager in charge of all surveying aspects of a 13-mile water main extension project including topographic and location surveys, property research and boundary control.

Southern Beltway, Pennsylvania Turnpike Commission, Pittsburgh, PA. Supervising Surveyor for survey control and alignment stakeout for the design phase of a new segment of four lane roadway through the Cecil, Pennsylvania area.

Westec Drive Interchange, PA 119, Pennsylvania Division of Highways, New Stanton, PA. Supervising Surveyor for survey control, topographic survey, boundary location for right of way reestablishment, and alignment stakeout for the design phase of a new interchange at Westec Drive and PA. 119 in the New Stanton, Pennsylvania area.

Tech Center Drive, PA 119, Pennsylvania Division of Highways, New Stanton, PA. Survey Party Chief for survey control, topographic survey, boundary location for right of way reestablishment, and alignment stakeout for the design phase of a new by pass around Sony plant on Old PA 119 in the New Stanton, Pennsylvania area.

East Ohio Street Improvement, PA 28, Pennsylvania. Division of Highways, Pittsburgh, PA. Survey Party Chief for survey control, topographic survey, and boundary location for right of way reestablishment for the design phase of the widening of PA 28 from Chestnut Street to Millvale in the Troy Hill, Pennsylvania area.

Bridge Replacement, Tunnelton Road, Pennsylvania Division of Highways, Tunnelton, PA. Survey Party Chief for survey control, topographic survey, boundary location for right of way reestablishment, and alignment stakeout for the design phase of a bridge replacement over the Conemaugh River on Tunnelton Road in Tunnelton, Pennsylvania

Intersection Improvement, PA 130, Pennsylvania Division of Highways, Harrison City, PA. Survey Party Chief for survey control, topographic survey, and alignment stakeout for the design phase of a redesigned intersection of PA 130 and Harrison City Export Road in Harrison City, Pennsylvania.

PA 219 Improvements, Pennsylvania Division of Highways, Bradford, PA. Survey Party Chief for survey control, topographic survey, boundary location for right of way reestablishment, and alignment stakeout for the design phase of a highway improvement on PA 219 from Bradford to the New York state line in the Bradford, Pennsylvania area.

I-90 Improvement, PA 79, Pennsylvania Division of Highways, Erie, PA. Survey Party Chief for survey control, topographic survey, boundary location for right of way reestablishment, and alignment stakeout for the design phase of a highway improvement on PA 79 from I-90 to Erie in the Erie, Pennsylvania area.

Corridor H, WV 33, West Virginia Division of Highways, Barbour County, WV. Assistant Surveyor for survey control and construction stakeout for the construction phase of a new segment of four lane roadway through the Vegan, West Virginia area.

Corridor H, WV 33, West Virginia Division of Highways, Randolph County, WV. Assistant Surveyor for survey control and construction stakeout for the construction phase of a new segment of four lane roadway through the Yokum, West Virginia area.

Kayford Mountain Top Surface Mine, Princess Beverly Coal Company, Kayford, WV. Survey Party Chief for mapping control and monthly topographic surveys for production quantities for surface coal mine.

Mine 1A, 5, and Light Run, Carter-Roag Coal Company, Helvetia, WV. Survey Party Chief for survey control and monthly mapping surveys for production quantities for deep coal mines.

John Nottingham, P.E.

Geotechnical Engineer; NGE, LLC

Education

1987/B.S./ Civil Engineering/ West Virginia University
1995/M.S./Civil Engineering/ West Virginia University

Capabilities

Mr. Nottingham has over 20 years experience in geotechnical engineering projects. His career has encompassed many aspects of geotechnical engineering including bridge/highway design, landslide remediation/retaining wall design, and subsidence investigations. He is currently designing a retaining wall for an AML project located in Harrison County.

Assignment/Responisiblies

- Prepare Work Plans for review by the Project Manager and WVDEP
- Coordinate work with the G&O Project Manager
- Direct/execute work on individual task orders
- Report progress, expenditures, and results to the Project Manager

Experience

- Winifrede Railroad Overpass, Kanawha County, WV
- Hendrickson Subsidence, Marion County, WV
- South Mineral Wells Interchange, Wood County, WV
- Tunnelton Retaining Wall, Preston County, WV
- West Virginia Wesleyan Performing Arts Center, Upshur County, WV
- Pines Country Club Subsidence, Monongalia County, WV

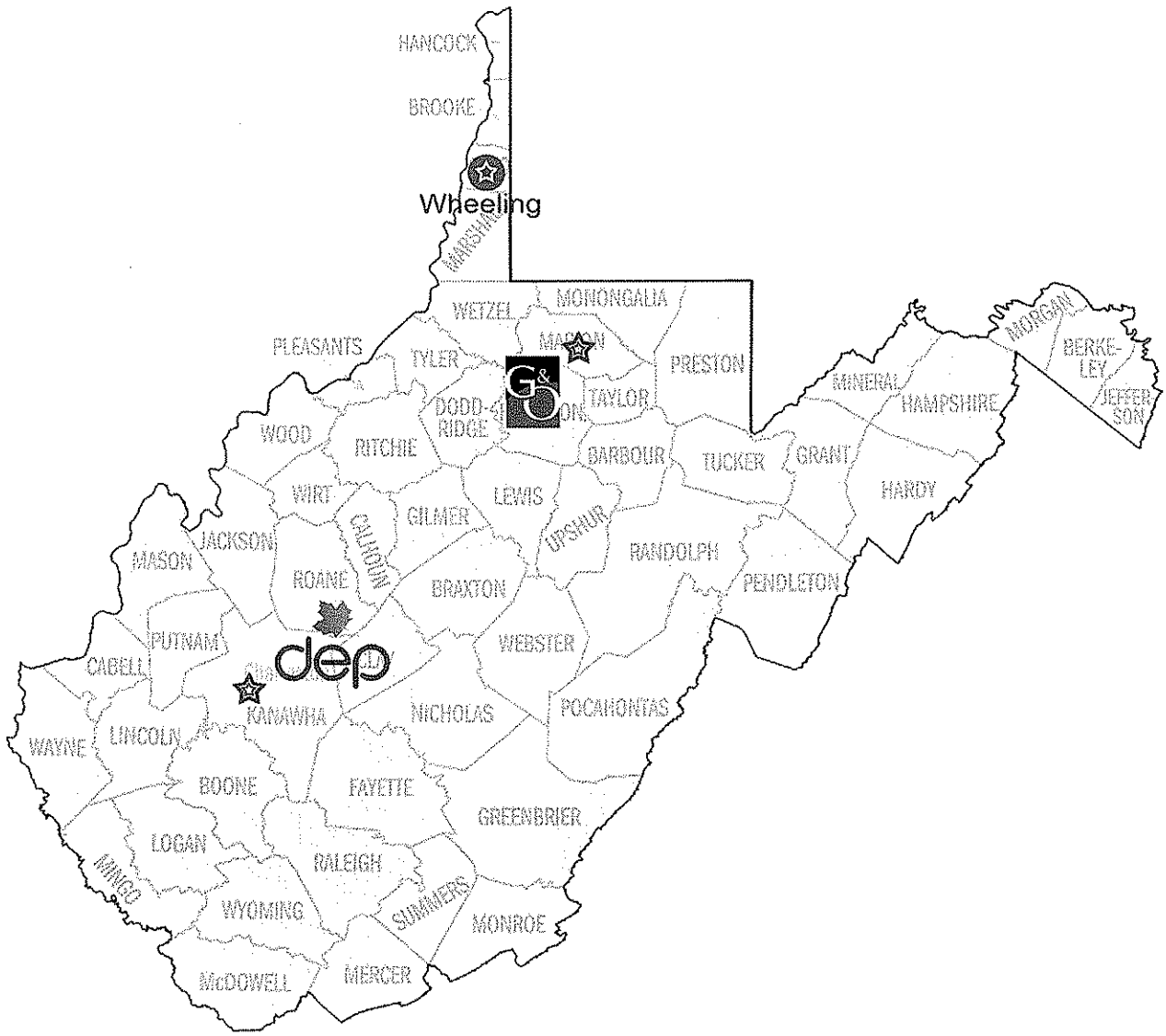
His responsibilities on these projects include direction and coordination of all geotechnical engineering activities. Duties on these projects have included foundation investigation report production, foundation and retaining wall design, fill embankment and cut slope design, dam design and analysis, slope stability analysis, pavement design, design of drainage systems, supervision of subsurface drilling programs, field activity coordination, laboratory data computation and processing, performance of field work, client relations, and supervision of staff and project level geotechnical engineers.

OFFICE LOCATION

G&O will coordinate and perform all of the work required under this contract from our Fairmont, WV office, located **at 111 Elkins Street.**

As illustrated by the graphic below, the G&O team is centrally located to the WVDEP and the project location, ensuring timely response to any situation.

G&O will coordinate and perform all of the work required under this contract from our Fairmont, WV office.



SUBCONSULTANTS

Greenhorne & O'Mara, Inc. (G&O) has put together an outstanding team to provide the consulting engineering services requested by the West Virginia Department of Environmental Protection (WVDEP) under this Expression of Interest. Together, G&O and its subconsultant, NGE Environmental & Geotechnical Engineering Solutions (NGE) blends discipline expertise and relevant experience with similar award-winning programs, local knowledge, and a solid background of working together. Team professionals possess the strong relevant experience, capability, and roll-up-your-sleeves know-how to get the job done right.

NGE, LLC is a full-service environmental and geotechnical engineering firm with offices in Pittsburgh, Pennsylvania and St. Albans, West Virginia. Led by an experienced management team, NGE provides high quality consulting services to a variety of clients in both private industry and government sectors.

Established in 2002, NGE is one of the fastest growing engineering consulting firms in the country.

Our staff includes professional engineers, geologists, scientists, construction manager, and foreman with experience in a broad range of technical disciplines. Our management team averages over 20 years of experience per person.

NGE has the necessary resources to fulfill the needs of clients in-house, yet small enough to provide the personal focus each client deserves. With smaller overhead than larger companies, NGE can provide exceptional services at lower cost.

NGE is a certified Disadvantaged Business Enterprise (DBE) in West Virginia, Pennsylvania, Ohio, Maryland, and New Jersey. NGE is also certified by the Small Business Administration as an 8(a) Small Disadvantaged Business.

REFERENCES

ANNE ARUNDEL COUNTY OFFICE OF CENTRAL SERVICES

Point of Contact	Mr. Richard Waesche
Address	Anne Arundel County Office 2666 Riva Road, Suite 110 Annapolis, MD 21401
Phone number	(410) 222-7524
Project Name Location	Millersville Landfill Annapolis, MD

WASTE MANAGEMENT OF NORTH AMERICA

Point of Contact	Ms. Lisa Anne Bradshaw
Address	Waste Management of North America Morrisville, PA 19067
Phone number	(215) 736-2000
Project Name Location	Sandy Hill Landfill Morrisville, PA

PRESTON COUNTY PUBLIC SERVICE DISTRICT #4

Point of Contact	Mr. Robert (Al) Bailey, Chairman
Address	Preston County Public Service District #4 PO Box 370 Bruceton Mills, WV 26525
Phone number	(304) 379-3130
Project Name Location	Clifton Mills Waterline Extension Preston County PSD #4, WV

CITY OF FAIRMONT

Point of Contact	Mr. David Sago, Utilities Manager
Address	City of Fairmont PO Box 1428 Fairmont, WV 26554
Phone number	(304) 366-0540
Project Name Location	Fairmont-Mannington Water Transmission Main Extension and Fairmont Sanitary Sewer Improvements Marion County, WV

LGI LAND, INC.

Point of Contact	Mr. Butch Alanis, Executive Vice President
Address	LGI Land, Inc. 19221 I-45 South, Suite 200 Conroe, TX 77385
Phone number	(281) 362-8998
Project Name Location	Fisher Mountain Pendleton County, WV

JANE LEW PUBLIC SERVICE DISTRICT

Point of Contact	Ms. Nancy Gee, General Manager
Address	Jane Lew Public Service District PO Box 845 Jane Lew, WV 26378
Phone number	(304) 884-7111
Project Name Location	Jane Lew Water Improvements Lewis County, WV

SUMMARY

LOCAL KNOWLEDGE

G&O has been in the Fairmont area since 1999. We have been in business at our headquarters in Laurel, MD since its inception in 1950. During this time, **we have developed strong working relationships with nearly every state, county, and local government agency that operates within WVDEP boundaries, and are intimately familiar with all relevant codes, policy and procedures to successfully navigate jobs through to completion.**

G&O's Key Project Team Members have worked on similar projects in West Virginia while employed with other firms. Our staff members have also worked on multiple projects involving site invesigation, surverying and mapping, laboratory analysis of soil and water, subsurface investigations, mass grading, drainage and erosion control projects throughout West Virginia and surrounding states.

WHY CHOOSE G&O?

G&O provides comprehensive consulting services to perform studies, prepare plans, and secure permits for projects of this nature. G&O has put together an outstanding Team to provide the consulting engineering services WVDEP needs under this EOI.

Technical Competence. G&O has extensive experience with conceptual studies, designs, cost estimating, preparation of plans and specifications, and construction-related engineering and inspection services for engineering projects.

Firm's Experience. Founded in Prince George's County in 1950, our business revolves around surveying, planning, and engineering for transportation, land development, and sanitary engineering projects.

Individual Experience. The management and technical team is highly capable and experienced. G&O's project organization for WVDEP has been carefully selected for this project to offer top professionals mainly from our Fairmont office.

Responsiveness. WVDEP will find the G&O Team to be very responsive because G&O is committed to establishing our relationship with the WVDEP.

Resources. G&O and its Team members are committing over 600 professionals from our Mid-Atlantic offices.

Prime / Sub Working Relationship. G&O's working relationship with our Team members date back to the late 1990s to early 2000.

Quality of Work. G&O is committed to the assurance of quality deliverables, free of errors and omissions, and to meeting and exceeding our customer's expectations.

Timeliness. A comprehensive budget, schedule, and quality assurance culture using customized cost-control and project management tools will ensure timely response.

Cooperation. G&O is committed to maintaining reliable day-to-day communication, providing monthly progress reports, and following established procedures to facilitate prompt communication with WVDEP. We will also adjust resources and schedules as required to meet WVDEP's project requirements.

Location. G&O will coordinate and perform all of the work required under this contract from our Fairmont office, at 111 Elkins Street.

Principal Participation. Senior management staff from G&O's Fairmont office will provide the day-to-day management and quality assurance for task orders under this contract.

Bottom line. G&O wants to earn your business and will work hard to retain your trust. We look forward to solidifying our relationship with you.

RFQ No. DEP14705

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:
West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:
If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the ***West Virginia Code***. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the ***West Virginia Code*** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the ***West Virginia Code*** may take place before their work on the public improvement is begun.

ANTITRUST:
In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:
Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:
The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

Under penalty of law for false swearing (***West Virginia Code*** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Greenhorne & O'Mara, Inc.

Authorized Signature: _____ Date: 8/13/2009

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE

Attachment "B"

PROJECT NAME	DATE (DAY, MONTH, YEAR)	FEIN
City of Wheeling Landfill Closure Project	August 13, 2009	04-476-0510

1. FIRM NAME	2. HOME OFFICE BUSINESS ADDRESS	3. FORMER FIRM NAME
Greenhorne & O'Mara, Inc.	6110 Frost Place Laurel, Maryland 20707	

4. HOME OFFICE TELEPHONE	5. ESTABLISHED (YEAR)	6. TYPE OWNERSHIP	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise)
301-982-2800	1950	Individual **Corporation** Partnership Joint-Venture	YES **NO**

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE

111 Elkins St., Fairmont, WV 26554 / 304-367-9401 / Michael A. Retton, PE, PS / 18 Fairmont Office / 617 Company-wide

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM	8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
Michael A. Retton, PE, PS	Richard L. Gaines, PE / Project Manager / 304-367-9401

9. PERSONNEL BY DISCIPLINE

102 ADMINISTRATIVE	— ECOLOGISTS	11 LANDSCAPE ARCHITECTS	21 STRUCTURAL ENGINEERS
— ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	**87 SURVEYORS**
— **BIOLOGIST**	— ELECTRICAL ENGINEERS	— **MINING ENGINEERS**	56 TRANSPORTATION ENGINEERS
39 CADD OPERATORS	33 ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	78 OTHER
— CHEMICAL ENGINEERS	— ESTIMATORS	15 PLANNERS: URBAN/REGIONAL	
79 CIVIL ENGINEERS	**1 GEOLOGISTS**	— SANITARY ENGINEERS	
75 CONSTRUCTION INSPECTORS	1 HISTORIANS	— SOILS ENGINEERS	
— DESIGNERS	— HYDROLOGISTS	8 SPECIFICATION WRITERS	617 * TOTAL PERSONNELL
— DRAFTSMEN			

* Company wide

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 6
***RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.**

10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? YES NO **N/A**

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire".		
NAME AND ADDRESS: **NGE ,LLC** 806 B Street St. Albans, WV 25177	SPECIALTY: NGE, LLC is a full-service environmental and geotechnical engineering firm with offices in Pittsburgh, Pennsylvania and St. Albans, West Virginia. Led by an experienced management team, NGE provides high quality consulting services to a variety of clients in both private industry and government sectors. NGE is a certified Disadvantaged Business Enterprise (DBE) in West Virginia, Pennsylvania, Ohio, Maryland, and New Jersey. NGE is also certified by the Small Business Administration as an 8(a) Small Disadvantaged Business.	WORKED WITH BEFORE __X__ Yes _____ No
NAME AND ADDRESS	SPECIALTY:	WORKED WITH BEFORE ____Yes _____No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE _____ Yes _____No

12. A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

YES Description and Number of Projects:

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects:

G&O has completed more than 180 projects requiring soil analysis. However, the majority of this analysis has been done to detect potential soil contamination. G&O routinely inspects and tests soils during the excavation of project sites for the presence of petroleum and other contaminants, in order characterize the excavated materials as clean fill, petroleum contaminated, or hazardous materials. G&O's standards for environmental site assessments meet and/or exceed the requirements outlined in the current American Society for Testing and Materials (ASTM) standards, and the protocols established by OSHA and the EPA for work at hazardous waste sites.

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects:

G&O has completed more than 250 projects involving hydrology and hydraulics (H&H). Services include H&H analysis and design, automated H&H modeling, floodplain hydrology and hydraulics, floodplain/floodway analysis and delineation, highway hydraulic structures, stormwater management, and reservoir analysis.

Pipeline designs have included raw water supply, water distribution, and water transmission mains, repair and reconstruction and relocations. We are experienced in **pipeline sleeve and tunnel crossings, pipeline suspension on bridges and other structures,** and subaqueous stream and river crossings. G&O has developed computer models for water distribution systems, both for sizing new systems, and for analyzing existing systems for expansion and upgrading. These analyses have been performed both for peak normal demands and for fire flow conditions. We have the complete **Haestad, INFOWORKS, KYPIPE, and SURGE software systems** in-house, which we use routinely for hydraulic modeling.

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

YES Description and Number of Projects:

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

YES Description and Number of Projects:

G&O has provided **thousands of miles of domestic waterline design services** on nearly all of the residential development projects we've been involved with since 1950. **Projects number in the tens of thousands**, reaching from Pennsylvania to Florida. In addition to the domestic waterlines connecting directly to the water mains, we have also designed new service wells and evaluated existing wells as needed.

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

YES Description and Number of Projects:

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Retton, Michael A. Vice President, Engineering Services Mid-Atlantic	1	25	25

Brief Explanation of Responsibilities

Mr. Retton is a Professional Engineer and Professional Surveyor with more than 25 years of experience in engineering design and project management. Mr. Retton's transportation engineering experience includes the preparation of detailed design drawings for several roadway and bridge projects in West Virginia, Maryland, and Virginia. He also has a vast array of municipal engineering experience, from detailed utility planning, design, and construction, to detailed site design and stormwater management.

EDUCATION (Degree, Year, Specialization)

B.S./1984/Civil Engineering
Coursework/1986/Land Planning/Land Development
Coursework/1987/Geotechnical Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
National Council of Examiners for Engineers and Surveyors, National Society of Professional Engineers, American Public Works Association, West Virginia Rural Water Association, National Public Works Association, American Society of Highway Engineers, American Council of Engineering Companies, West Virginia Contractors Association	Professional Engineer / 1990 / WV Professional Surveyor / 1995 / WV Additional P.E. Registrations: VA, MD, PA, KY, NC, OH

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Gaines, Richard L. Project Manager	1	20	20

Brief Explanation of Responsibilities

Mr. Gaines has 20 years of experience in project management and civil engineering related to land development projects. His design experience includes potable water distribution systems, sewer collection and pumping systems, drainage and grading plans and permitting.

EDUCATION (Degree, Year, Specialization)

B.S./1987/Civil Engineering Technology
A.S./1987/Mechanical Engineering Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
Member of National Society of Professional Engineers, Member of the Florida Engineering Society-Chapter President 2005-2006, West Virginia Contractors Association, West Virginia Rural Water Association, American Council of Engineering Companies	Professional Engineer / 2007 / WV Professional Engineer / 2002 / VA

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Cain, Steven A. Department Head	1	16	16

Brief Explanation of Responsibilities

Mr. Cain has more than 16 years experience in project management and civil engineering design. His career has encompassed many aspects of civil engineering including land surveying, site development, sanitary sewer network design, wastewater treatment system design, potable water system design, hydraulic modeling, utility planning, computer aided drafting, and construction engineering and inspection of all water and sewer facilities.

EDUCATION (Degree, Year, Specialization)

B.S./1992/Civil Engineering, Technology
Short Course/Contemporary Wastewater Treatment Plant Design and Operation
Short Course/Erosion and Sediment Control
Short Course/Essential MicroStation

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Council of Engineering Companies, West Virginia Chapter; American Society of Highway Engineers; Water Environment Federation, West Virginia Contractors Association, West Virginia Rural Water Association	Professional Engineer / 2002 / WV Additional P.E. Registrations: PA, MD

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Longo, Lawrence J. Division Manager	0	32	32

Brief Explanation of Responsibilities

Mr. Longo is a Senior Program/Project Manager and Professional Civil Engineer with more than 32 years engineering experience in public and private sector civil engineering and construction projects. He has an array of experience which includes design and construction of projects for various military installations, land development, environmental compliance, site civil engineering, utility design, and construction management services. He has taken projects from inception at the preliminary site planning stage through design, permitting, bidding documents, and the administration of the construction contract in both the public and private sector.

EDUCATION (Degree, Year, Specialization)

M.S./Environmental Engineering/New Jersey Institute of Technology
B.S./Civil Engineering/Newark College of Engineering
Certificate/OSHA 29 CFR 1910.120 40 hour Safety Training

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Council of Engineering Companies, Society of American Military Engineers	Professional Engineer/NC/026292 Professional Engineer/NJ/25627 Professional Engineer/NY/58521 Professional Engineer/PA/52652-E Professional Engineer/RI/6871 Professional Planner/NJ/2182 Professional Engineer/SC

	Undergound Storage Tank Certification/NJ/0011847

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Vincent, Dustin B. Project Manager	1	10	8

Brief Explanation of Responsibilities

Mr. Vincent has more than 10 years experience in general civil engineering projects, and two years experience as an Industrial Engineer for Consol Energy. His career has encompassed many aspects of civil engineering including site development, water distribution design, streetscape and revitalization. His responsibilities included underground air quality testing, mine section foreman, state & federal inspector escort and general mining operations.

EDUCATION (Degree, Year, Specialization)
B.S./1997/Mechanical Engineering, Technology

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
American Society of Highway Engineers, West Virginia Contractors Association, West Virginia Rural Water Association, American Council of Engineering Companies	Professional Engineer / 2007 / WV Underground Asst. Mine Foreman / 1998 / WV

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES **RESPONSIBLE FOR AML PROJECT DESIGN** (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Nottingham, John E. Geotechnical Services Vice President	0	20	20

Brief Explanation of Responsibilities

Mr. Nottingham has over 20 years experience in geotechnical engineering projects. His career has encompassed many aspects of geotechnical engineering including bridge/highway design, landslide remediation/retaining wall design, and subsidence investigations.

EDUCATION (Degree, Year, Specialization)
M.S./1995/Civil Engineering
B.S./1987/Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS	REGISTRATION (Type, Year, State)
	Professional Engineer / WV Additional P.E. Registrations: VA & MD Professional Surveyor / WV

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Hardware

Network Servers: 1) 1-IBM X-Series, 226 3.2 GHz, 1 GB Ram, 40 GB Data Storage Capacity, Windows 2000; **2)** 7- Pent IV Workstation, 2.8 – 3.4 GHz, 512MB - 1Gig Ram, 40 – 80 Gig Hard drive, Dual 17"or 19" SVGA Monitor, 48 – 52X CD Rom, 128 – 256 MB VGA Video Ram; **3)** 2- Pentium III, 700 -733MHz, 700 - 733MHz Ram, 40GB hard drive, 17" SVGA Monitor;

Portable Computers: 1) 5-Laptop Computer, 1.5 – 2GHz, 512MB – 2GB Ram, 40 - 60Gig Hard Drive, 13" or 15" SVGA Monitor, 24 – 48X CD Rom, 8 – 16 MB Video Ram; **2)** 1- BlackBerry Devices.

CADD Plotters and Printers: 1) 1- HP1050 Wide Format Color Plotter; **2)** 1- HP 1050c Wide Format Color Plotter; **3)** 1- HP 8000 Laser Printer; **4)** 1- Lexmark C920 Wide Format Color Printer; **5)** 1- Ricoh 3045 Multifunction System (Printer, Scanner & Copier).

Software - APPLICATION FOR CONTRACT

Geometric Design: 1) MicroStation V8-CADD Software for Highway Planning, Bridge Design and Drafting; **2)** MicroStation J- CADD Software for Highway Planning, Bridge Design and Drafting; **3)** InRoads SelectCAD- Highway Design and Bridge Package, Interactive with MicroStation; **4)** AutoCAD 2002 – 2006- CADD Design and Drafting software; **5)** Land Desktop 2006- Design application software with CAD drafting software provides a base level of land development functionality to streamline the completion of common land planning and analysis tasks.; **6)** Civil 3D 2006- CADD Design, Drafting and management software; **7)** KYPIPE- Hydraulic Modeling software; **8)** Pondpack 10- Detention Pond Design & Urban Hydrology Modeling software.

Project Management & Engineering Analysis & Documentation: 1) MS Project 98- Graphical Project Management; **2)** MS Office Suite 2003 & 2007- Word Processing, Spreadsheet, Database, Presentation.

Presentation & Public Involvement: 1) Adobe Photoshop Element- Photo Enhancement; **2)** MS Publisher 2003- Newsletter Publications; **3)** MS PowerPoint 2003- Interactive Computer Presentations; **4)** Adobe Acrobat 5, 7- PDF Creator.

Operating Systems: 1) Win XP / Win2000 Pro- Operating System for Administrative Workstations; **2)** Win XP / Win2000 Pro- Operating System for CADD Workstations; **3)** Veritas BackupExec- Daily System Backup Software; **4)** Outlook 2003 & 2007- eMail.

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Palm Beach County Solid Waste Authority Enterprise GIS Design	Palm Beach Soild Waste Authority	Landfill Quantity Surveys Aerial Targeting GIS and Information Technology Expertise	$130K	95%
Lenox/Cuzzart Waterline Extension	WVDEP Department of Land Restoration Office of AML 601 57th Street SE Charleston, WV 25304	Preliminary engineering, design and construction engineering & inspection	$9.5M	45%
Fisher Mountain Lake Design	LGI Development, Inc. 19221 I45, South, Suite 200 Conroe, TX 77388	Hazard Classification Analysis, Hydrologic and Hydraulic Design	$1.3M	50%
Preston County PSD #4 Clifton Mills Waterline Extension	Preston County PSD #4 PO Box 370 Bruceton Mills, WV 26525	Preliminary engineering, design and construction engineering & inspection	$4.1M	35%
Shinnston I&I & WWTP Improvements	City of Shinnston 40 Main Street Shinnston, WV 26431	Preliminary engineering, design and construction engineering & inspection	$3.5M	95%
Jane Lew Water Improvements	Jane Lew PSD PO Box 845 Jane Lew, WV 26378	Preliminary engineering, design and construction engineering & inspection	$750K	75%
Fairmont – Mannington Water Transmission Main Extension	City of Fairmont 200 Jackson Street Fairmont, WV 26554	Preliminary engineering, design and construction engineering & inspection	$4M	95%
Rt. 250 Waterline Relocation	City of Shinnston 40 Main Street Shinnston, WV 26431	Design and construction engineering & inspection	$185K	85%

Rt. 250 Sewer Relocation	City of Fairmont 200 Jackson Street Fairmont, WV 26554	Design and construction engineering & inspection	$390K	75%
Kingmill Valley Sewer Improvements	Kingmill Valley PSD 1707 Pleasant Valley Road Pleasant Valley, WV 26554	Preliminary engineering, design and construction engineering & inspection	$2M	50%
West Fork Coop – WW & Collection System Improvements	West Fork On-Site Community Cooperative, Inc. Rt. 3 Box 352 Clarksburg, WV 26301	Preliminary engineering, design and construction engineering & inspection	$3.5M	60%
Beincosa Sewer Extension	John Benincosa 36 Byers Lane Clarksburg, WV 26301	Design	$20K	90%
Grant Town Water Distribution Upgrade	Town of Grant Town PO Box 40 Grant Town, WV 26574	Design and construction engineering & inspection	$105K	85%
Allegheny Wood Product Subdivision Water and Sewer Development	Allegheny Wood Products, Inc. Junction Route 7 & 72 Kingwood, WV 26537	Preliminary engineering, design and construction engineering & inspection	$250K	20%
TOTAL NUMBER OF PROJECTS: **16**		TOTAL ESTIMATED CONSTRUCTION COSTS: **$20,100,000.00**		

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Alpine Lake WWTP & Collection System Improvements	Alpine Lake Public Utility Co. 700 W. Alpine Drive Terra Alta, WV 26764	$3M	2008	Yes
Walnut Streetscape Beautification	Paradigm Architecture 2223 Cheat Road, Suite 300 Morgantown, WV 26508	$325K	2008	Yes
Waterline Extension for Alexander, Venturella & Alexander, LLC. Subdivision	Alexander, Venturella & Alexander, LLC. Subdivision PO Box 124 Bruceton Mills, 26525	$25K	2008	Yes
Kingmont Pet Center Site Engineering Services	Gribben & Associates, LLC 326 Cole Street Fairmont, WV 26554	$50K	2008	Yes
Distribution Facility at Kulseth Industrial Park Site Engineering and Surveying	Butler Properties, Inc. One Paces West 2727 Paces Ferry Road, Suite 255 Atlanta, GA 30339	$75K	2008	Yes
PSD #4 Feasibility Study for Future Projects	Preston County PSD #4 PO Box 370 Bruceton Mills, WV 26525	N/A	2004	N/A
Meredith Springs/Dakota Camp Area Sewer Extension	Marion County Commission 200 Jackson Street Fairmont, WV 26554	$1.3M	2004	Yes
Saltwell Road Utility Relocation	City of Shinnston 40 Main Street Shinnston, WV 26431	$30K	2002	Yes

Shinnston Water System Improvements Project	City of Shinnston 40 Main Street Shinnston, WV 26431	$3.5M	2007	Yes
Fairmont Sanitary Sewer Improvements	City of Fairmont 200 Jackson Street Fairmont, WV 26554	$4.7M	2008	Yes
Alpine Lake Water Treatment and Distribution System Upgrades	Alpine Lake Public Utility Co. 700 W. Alpine Drive Terra Alta, WV 26764	$1.6M	2007	Yes
Rt. 19 & 20 Sewer Extension	City of Shinnston 40 Main Street Shinnston, WV 26431	$50K	2005	Yes
Grant Town Water Tank	Town of Grant Town PO Box 40 Grant Town, WV 26574	$35K	2003	Yes
US Route 19 Sewer Line Extension	City of Clarksburg 222 West Main Street Clarksburg, WV 26301	$235K	2006	Yes
Hundred-Littleton Waterline Project	Hundred-Littleton PSD PO Box 880 Hundred, WV 26575	$2.5M	2005	Yes
Golf Estates Water Treatment Facility	Golf Estates PO Box 340 Franklin, WV 26807	$500K	2006	No
Spruce Knob Mountain Center Water System Design	The Mountain Institute 906 Rawley Avenue Morgantown, WV 26505	$130K	2006	No

Gypsy Bridge Waterline	City of Shinnston 40 Main Street Shinnston, WV 26431	$26K	2006	Yes
Morgantown House Demolition	City of Morgantown 389 Spruce Street Morgantown, WV 26505	$130K	2005	Yes
Fairview Sidewalk Improvements	Town of Fairview PO Box 119 Fairview, WV 26570	$110K	2005	Yes
Patteson Drive Sidewalk Improvements	City of Morgantown 389 Spruce Street Morgantown, WV 26505	$250K	2006	Yes
Street Lighting and Sidewalk Repair	Town of Lumberport PO Box 519 Lumberport, WV 26386	$60K	2005	Yes
Clarksburg Building Demolition	City of Clarksburg 222 West Main Street Clarksburg, WV 26301	$500K	2006	Yes
Shinnston Route 19 Sidewalk Improvements	City of Shinnston 40 Main Street Shinnston, WV 26431	$90K	2007	Yes
James and Darst Streets Sidewalk Improvements	City of Morgantown 389 Spruce Street Morgantown, WV 26505	$115K	2006	Yes
High Street Improvements Project Retaining Wall and Sidewalks	City of Shinnston 40 Main Street Shinnston, WV 26431	$300K	2006	Yes

Ray Dental Office Site Plan	Linda Ray, DDS 100 Village Drive Suite 301 Fairmont, WV 26554	$100K	2005	Yes
Morgantown Welcome Sign	City of Morgantown 389 Spruce Street Morgantown, WV 26505	$25K	2007	Yes
Fairfield Inn Site Planning, Fairmont, WV	Fairmont Inn Group 10 Moran Circle Fairmont, WV 26554	$100K	2003	Yes
Woodridge Utility Inspection	Appalachian Land Services 309 South Main Street Accident, MD 21520	$100K	2003	Yes
Riverdale Estates Inspection	City of Shinnston 40 Main Street Shinnston, WV 26431	$50K	2006	Yes
Maple Lane Estates	Craig Marple 3456 Sandflat Road Oakland, MD 21550	$75K	2005	No
Morgantown Wayfinding Signs	City of Morgantown 389 Spruce Street Morgantown, WV 26505	$90K	2007	Yes
City of Morgantown 4 Way Intersection Traffic Calming	City of Morgantown 389 Spruce Street Morgantown, WV 26505	$50K	2007	Yes
Shinnston Park Paving	City of Shinnston 40 Main Street Shinnston, WV 26431	$75K	2006	Yes

Boothsville T-Beam Bridge Replacement	West Virginia Division of Highways 1900 Kanawha Blvd, East Charleston, WV 25305	$750K	2007	Yes

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Jacksons Mill Road Design	WVU	$400K	2007	Yes	VanNostrand Architects
Appalachian Corridor H	West Virginia Division of Highways 1900 Kanawha Blvd, East Charleston, WV 25305	$8.5M	2006	Yes	Johnson Mirmiran and Thompson
Fairmont General Hospital Healthplex	Preliminary engineering and design	Fairmont General Hospital 1325 Locust Avenue Fairmont, WV 26554	2008	Yes	Fairmont General Hospital

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

20. The foregoing is a statement of facts.

Signature: _____ Title: Regional Vice President, Mid-Atlantic Transportation

Date: August 13, 2009

Printed Name: Michael A. Retton, PE, PS