



gai consultants

**Expression of Interest
Replacement of Two Water Storage Tanks
RFQ No.: COR61489**

Denmar Correctional Center

February 7, 2012

ORIGINAL



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PURCHASING DIVISION
STATE OF WV

Prepared for:

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February 7, 2012

Ms. Tara Lyle
Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

**RE: Expression of Interest for Architectural/Engineering Services
Replacement of Two Existing Water Storage Tanks, COR61489
Denmar Correctional Center, Pocahontas County, West Virginia**

Dear Ms. Lyle:

Thank you for the opportunity to submit this Expression of Interest on the above-referenced project. We have been working with the State of West Virginia for a number of years and are very interested to assist in meeting the demands of this project. The services that specified in the request for an expression of interest fit perfectly with the specialty services we provide:

- ✦ Water Facility Design
- ✦ Geotechnical Engineering
- ✦ Permitting
- ✦ Construction Management

These are distinctive services of our team, and we have a long-standing reputation for quality work in these areas. In fact, GAI has recently completed engineering, design, permitting and construction support for a water facilities at the Anthony Correctional Facility and wastewater facilities at the Huttonsville Correctional Facility. Currently, GAI is working on upgrades to the Anthony Correctional Facility wastewater treatment system. Our collective capabilities in the services required are unmatched by any other firms in the area. Because of our in-house, full service capabilities, we have minimal sub-consultants on this project. This will facilitate project team communications and expedite work execution.

However, because of the amount of work for water storage facilities, we will coordinate our design work with Mid Atlantic Storage Systems, Inc. (Mid Atlantic). This will facilitate the development of a cost effective design and construction program with limited operational transition issues. We have worked with Mid Atlantic on several projects with storage tanks throughout West Virginia.

We look forward to speaking with you soon about our potential participation on the project. Please call us at 304-926-8100 x2633, if you have any questions.

Respectfully submitted,
GAI Consultants, Inc.


Charles F. Straley, P.E., P.L.S.
Engineering Manager

Enclosures

Table of Contents

	Page
1.0 Introduction	1
2.0 Experience	2
2.1 Qualifications	3
2.2 Project Approach and Understanding	4
2.3 Previous Experience	7
3.0 GAI's Staffing and Resources	13
4.0 Construction Management	16
Appendix A. Resumes	
Appendix B. Request for Quotation and Addendum	

1.0 Introduction

GAI was founded in 1958 in Pittsburgh, Pennsylvania. Beginning as a staff of six engineering graduates that provided highly specialized geotechnical and structural engineering services, the Pittsburgh office has grown into a multidiscipline engineering and environmental operation. Today, GAI has over 800 employees located in 30 offices throughout the Northeast, Midwest and Southeast regions of the United States, including a fully staffed office in Charleston, West Virginia. At GAI, we use our engineering experience and our knowledge of regulatory processes to transform ideas into reality with solutions that make a real difference to our clients, offering solutions in energy, transportation, real estate, water, government, industry, and healthcare.

GAI will serve as the prime consultant for performing the required services at the Denmar Correctional Center, Pocahontas County, West Virginia. We will also utilize the services of Mid Atlantic Storage Systems, Inc. (Mid Atlantic) for work specifically on the water storage tank. We will listen carefully to your goals and concerns. Our managers will focus on completing your project with a clear, straightforward approach. With a practiced staff of engineers, scientists and other professionals, GAI approaches every endeavor with enthusiasm and integrity. And because we carefully match our staff credentials to meet your needs, we build productive and effective relationships. Your challenge has become ours and we deliver success.

Our full-service environmental staff includes engineers, geologists, hydrogeologists, soil scientists, biologists, ecologists, planners, GIS specialists, chemists, and industrial hygienists. They embrace the environmental elements of projects with a strong background in academic training, research experience, and practical engineering skills. This is the foundation for addressing complex environmental problems that enables us to move clients efficiently through the permitting, planning, and design processes.



2.0 Experience

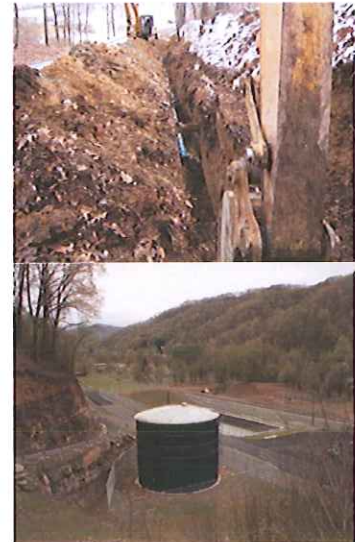
Why GAI?

The GAI Team offers several distinct advantages associated with delivery of the services proposed herein.

+ Previous Project Experience

GAI has successfully completed the design of several projects for the Department of Corrections including:

- Anthony Correctional Facility Potable Water Treatment Plant, Greenbrier County, WV
- Anthony Correctional Center Sewage Treatment Plant Improvements, Greenbrier County, WV
- Huttonsville Correctional Facility Waste Water Treatment Plant Improvements, Randolph County, WV



A more complete list of previous project experience related to water infrastructure completed within West Virginia and Pennsylvania is provided in a subsequent section.

+ Professional Qualifications of Management and Technical Personnel

GAI has over 800 employees with offices across the Northeast, Midwest, and Southeast United States. Staff from our Charleston, West Virginia and Pittsburgh, Pennsylvania offices will be utilized for this project. The Charleston office was opened in 1986 and currently has a staff of 26. These professionals are accomplished in their fields and offer expertise specific to this project, such as water main and water storage tank design, geotechnical services and construction services.

This office has the additional benefit of being in close proximity to your office in Charleston, WV. We also are located within 130 miles of the project site.

+ Project Design Experience

GAI provides water management engineering services for all phases of a project from planning through design and construction. Our services include detailed design drawings and specifications for construction. Mid Atlantic is a leader in design and construction of water storage tanks.

The GAI Team offers:

- Successful experience with previous projects including three for the Department of Corrections, State of West Virginia.
- A large local presence combined with our national resources. This includes a staff of 26 in Charleston, WV, near the Department of Corrections.
- We are also approximately 130 miles from the project site.
- Extensive design experience in water storage and transmission.
- A qualified Construction Engineering and Inspection team dedicated to complete projects on-time/on-budget and to a high degree of quality.

+ Construction Management Experience

The Construction Engineering and Inspection (CEI) industry is based on client service, construction integrity, and on-time/on-budget project completion. GAI is dedicated to safeguarding out clients' interests and the construction integrity of their projects. Our CEI team consists of highly skilled construction engineers, resident engineers, and construction technicians with experience inspecting large, multi-phased construction projects. For new construction and enhancement projects, GAI's CEI team has the reliable experience to provide client protection throughout the construction process.

+ Permitting

We believe that permitting is one of the key aspects of every project. Permitting will control the timing and effective execution of this project. The GAI team is one of the largest and most experienced groups of individuals conducting utility permitting in the area. The Department of Corrections (DOC) staff can rest assured that permitting will be adequately addressed for this project.

+ Specialized Experience and Technical Competence

GAI is an award winning engineering firm. The GAI Team offers the DOC the optimum combination of expertise required for this project.

The GAI team is uniquely qualified to provide consulting engineering services to associate with this Expression of Interest. Our large local presence combined with our national resources will work towards the DOC benefit during the execution of these projects. We offer unsurpassed experience in water resources engineering design projects and a history of delivering value added service to our clients.

2.1 Qualifications

GAI has the personnel and experience to quickly, efficiently, and successfully provide the Professional Planning and Design Services for the preparation of contract and permitting plans and related documents, and construction administration and monitoring for Denmar Correctional Center.

GAI provides water management engineering services for all phases of a project from planning and funding a project through design and construction. Our services include geotechnical evaluation, detailed design drawings and specifications, and construction management/ administration/ observation. GAI's services are provided by an experienced staff of geotechnical, hydraulic civil and structural engineers, and construction management / administration / observation personnel. GAI's Charleston office is currently preparing construction documents encompassing water and wastewater management projects at several sites in West Virginia. GAI's construction monitoring staff is currently in the field at multiple sites in West Virginia observing the construction of channels, culverts, pipelines, valves, storage facilities, etc.

2.2 Project Approach and Understanding

The GAI Team brings considerable experience and qualifications to the Denmar Correctional Center Project, especially in the key service areas identified in the RFQ, specifically with storage tank design, permitting, bidding and construction documents, and construction management as illustrated by the following:

Management

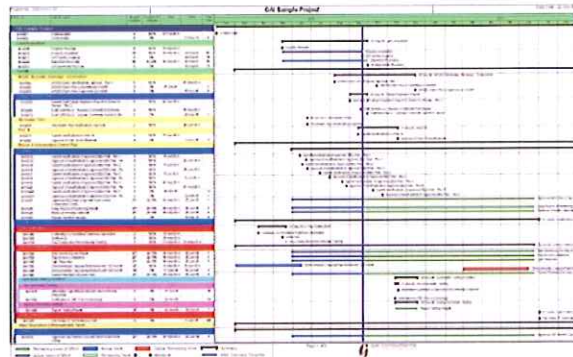
Research, planning and coordination are the keys to keeping the project on schedule. Our design coordination efforts keep projects on schedule through proven scheduling and cost control operations that use Microsoft Project scheduling software. The software enables us to create a variety of scheduling/reporting formats best suited to the individual project. These schedules can be updated on a regular basis to track overall conformance, or filtered to show short-term progress. As the final schedule develops, contractors are requested to submit and review all activities involved in their work phases. Schedules are continually updated throughout the project by daily review and weekly reporting.

GAI will begin our efforts by coordinating with DOC staff, so that everyone understands the program vision, goals, process and specific requirements for documentation, reviews and approvals. GAI will also coordinate with various permitting agencies to determine the best strategy to streamline the review process. Once the project's parameters and process are understood, our team will begin coordinated efforts to implement the work. Tight schedules benefit from the use of current technology to streamline the transfer of information between the design team and the client to enable more frequent and timely reviews of the work product. GAI uses *Newforma* Info Exchange to allow convenient client access to review progress drawings and provide input into the design process during the process. *Newforma* is project management software utilized by GAI to organize project documentation and activities. It allows GAI have a central location where project documents can be found, and can be linked to project activities, such as meetings, or submittals. The capability to track submittals is available, so that clients will have access to an interface that lists the submittals they have reviewed and returned comments on, and ones they have not. It also has a web-based server called Info Exchange, which allows clients to easily send and receive files as large as 2 GB.

The GAI Team will prepare and submit formal review packages to reviewing agencies at appropriate stages of completion as determined in our initial coordination effort. The design team will maintain communications with reviewing agencies to determine the progress of reviews and provide clarification of project elements to the reviewers.

GAI is equipped with the computer and software capabilities to provide quality project management. We are fully integrated using the following programs to enhance our abilities in the pre-construction and construction phases.

- + *Microsoft Project* – This scheduling program is an industry standard allowing detailed scheduling and updates for the best in work progress management.
- + *AutoCAD* - Allows the viewing/printing of CAD files. Time saving tool for electronic transfer of construction documents and revisions
- + *Internet* - Our company website provides communication keeping team members accessible to expedite the transfer of information.



Design

Following the kickoff meeting discussions with those associated with the project from the State, GAI will undertake a life cycle cost analysis of the storage tank alternatives. Generally, we would consider pre-stressed concrete tanks, epoxy coated steel tanks, and glass fused steel tanks. The capital costs will be presented along with the lifecycle cost each alternative for the State to select the preferred alternative. Recent analyses for similar facilities tend to favor the glass fused steel tanks in terms of longevity, capital costs, lifecycle costs and maintenance requirements.

Concurrently with this activity, our geotechnical engineers will evaluate the site for adequacy to support the proposed facilities as well as construction sequencing. GAI will request subsurface exploration and reports to obtain data to develop criteria for design of the foundations. A brief letter report will be submitted to the State summarizing these findings. GAI will then be able to determine suitable yard piping arrangements as well as overall construction sequencing. Each item presented in the project description describing foundations, piping and valves will be carefully considered and incorporated to our design. Mid Atlantic will be consulted with regularly for constructability reviews, cost-effectiveness and implementation. This is a key benefit to the State of West Virginia.

Although instrumentation was not mentioned in the RFQ, GAI will discuss the State's requirements related to their desired level of monitoring and control of the water elevation in the tanks. GAI is fully capable of implementing the preferences of the State.

For the items above, design drawings will be provided showing general arrangement, plan and elevation views and sections of the proposed structures. Technical specifications will be developed for concrete and steel elements as well as for piping and equipment.

Permitting

Permitting is a GAI strength. We permit multiple construction projects and nearly 200 miles of utility lines/pipelines a year. We believe that our permitting experience and permitting knowledge are unparalleled.

A review of each project will be performed to identify potential permitting requirements, and to identify and formulate plans for obtaining necessary permits and approvals. The responsible approval entity will be contacted to establish the contact persons and maintain successful working relationships. Pre-application meetings will be held as appropriate. GAI will document all contacts with permit and approval agencies, and coordinate the permitting process with the DOC project manager.

GAI will develop a timeline for each project describing the permitting process, submittal dates, and anticipated review periods, and to coordinate activities where approvals may be required from multiple entities. GAI will prepare administratively-complete applications, and will promptly address technical comments as may be received.

GAI has worked with numerous clients to successfully coordinate and obtain permits and approvals for stream, highway, and railroad crossings; work within highway and rail corridors; and erosion and sedimentation control approvals. GAI has extensive experience with the specific requirements of each of the identified permit and approval entities, to help expedite the approval process.

GAI has over 30 years experience in obtaining permits and approvals similar to those anticipated for this Denmar Correctional Center project.

Environmental Evaluations and Permitting Support

The need for detailed environmental studies exists at an early stage of project implementation. Increasingly complex requirements have been imposed upon industry and government requiring environmental services to be immediately responsive to a client's needs in fulfilling these requirements. If needed, GAI offers a wide variety of personnel, services, and capabilities. Since the advent of NEPA, RCRA, CWA, and other environmental laws passed in the 1960s

and 1970s, we have worked closely with clients to provide practical, cost-effective solutions to environmental challenges.



Our diverse range of environmental engineering services includes environmental site assessments, , environmental inspection, permitting, erosion and sedimentation control, environmental compliance, assessment of threatened and

endangered species, and application of computer technology and state-of-the art environmental analysis and management techniques using GIS.

Bidding and Contract Documents

Once the contract documents reach the appropriate stage of approval, we will prepare bid documents for distribution of prospective contractors, attend pre-bid meetings, develop responses to contractors' Request for Information, prepare addenda and review bids submitted by prospective contractors. The design team will prepare a tabulation of bids, check contractors' references and provide a recommendation of award.

GAI has extensive experience preparing bid packages for our projects for both public and private sector projects. These include multiple utility infrastructure projects for clients such as the West Virginia DEP and Department of Corrections and also the West Virginia Economic Development Authority. We develop the contract drawings and project specifications describing the work.



2.3 Previous Experience

GAI's recent experience and performance record in organizing a project team and **efficiently producing a quality product under time-sensitive schedules** offers considerable evidence of GAI's capabilities and commitment to quality and innovation.

The following projects are examples of projects that we have provided services.



Mill Creek Water Extension Project, Logan, WV – WVDEP

GAI was retained by WVDEP to prepare construction documents and complete permit applications for the Mill Creek Water Supply Extension project.

The intent of the project was to provide residents in the areas along Mill Creek, Long Fork, Trace Fork, Baldwin Fork, Craddock Fork, Hewett Creek, Isom Branch, and other areas with a public water supply to replace their current ground water supplies which have been (partially) degraded by abandoned mines in the area.

The scope of work included construction of water transmission lines, a water distribution system, two water storage tanks, a booster station, two hydropneumatic tanks, and a water treatment plant. The total length of water line to be constructed is approximately 34 miles, located primarily along County Routes 12/3, 12, 8, 7, 119/26, 119/90, and State Route 10. The water distribution system will be constructed by tying-in to the water transmission line near Pecks Mill. The water distribution system will extend eastward along County Routes 8 and 7 to the Logan/Boone County Boundary. A portion of the water distribution system will extend from Pecks Mill to Godby Heights along State Route 10. The water distribution system will extend (dead-end) up County Routes 8/1, 8/2, 8/3, 8/8, 7/4, 7/5, 7/6, 7/10, 7/11, 701/15, 702/17, and several Delta Routes.

A subsurface investigation was completed at each of the structure sites. GAI also prepared five railroad crossing permits, West Virginia Division of Highways occupancy permit, WVDEP permit, West Virginia Office of Environmental Health (WVOEH) permit, West Virginia Public Lands Corporation permit, and United States Corps of Engineers permit. Included during the project were numerous meetings with the WVDEP, LCPSD, West Virginia Public Service Commission, and the WVOEH. GAI coordinated water line alignment work with the LCPSD and numerous other utility companies to avoid conflicting the location of the existing utility lines and proposed water transmission line and distribution system.

Godby Branch Water Supply Extension Project, Chapmanville, WV – WVDEP



GAI was retained by WVDEP to design an extension and upgrade the Logan County Public Service District's public water system, involving a water line upgrade to offset decreases in pressure for existing low-pressure areas.

As part of the project, we designed the 13,800 lf water line extension, duplex booster pump station, as well as a 91,000 gallon water storage tank. As part of the tank and booster pump design, GAI performed foundation subsurface investigations.

Cow Creek-Sarah Ann Water Supply Extension Project, Logan County, WV – WVDEP-AML

GAI was retained by WVDEP to design an extension and upgrade the Logan County Public Service District's public water system involving extensions to new areas. The project included subsurface investigation; design of three water tanks, three booster stations, one master meter assembly, and approximately 19 miles of waterline; preparation of technical specifications, drawings and engineer's cost estimate; and participation in pre-bid and pre-construction meetings.

Kingwood Water Supply Extension, Preston County, WV – WVDEP



The Kingwood 52/6 Water Project is located approximately one mile north of Kingwood in Preston County, West Virginia. As a result of this project, residents in the community have a public water supply to replace their ground water supplies, which were degraded by mines in the area.

The scope of work included the construction of two water transmission lines. One transmission line will follow County Routes 7/10 and 52/6 (approximately 17,600 feet). The second waterline will follow along County Route 52/7 from the existing Kingwood system until the intersection with County Route 52 where it will travel west along County Route 52, and branches off to travel south along State Route 54. Residents along County Routes 52/3, 52/4, 52/5, and 52/8 will also be served. Included in the distribution system is a Booster Pump Station located along County Route 52/7 and a 94,000 gallon water storage tank located off of County Route 52. The total length of waterline is approximately 13 miles.

Reynoldsville, Wallace & Clarksburg Water Supply Extension Project, Harrison County, WV – WVDEP

GAI Consultants, Inc. (GAI) was retained by WVDEP to prepare construction documents, permit applications, and a feasibility/rates analysis for the Reynoldsville, Wallace, and Clarksburg Water Supply Extension Project. The project serves approximately 80 potential customers.



The intent of the project was to extend the Short Line Public Service District (SLPSD) water system near Sardis to residents in the communities of Catfish Hollow, Olive, Marshville, Rockcamp Run, and Little Rockcamp Run. The private water supplies in these communities had been determined to have been partially degraded by pre-1977 mining activity.

The scope of work included, a feasibility/rate analysis, design of 9,400 feet of 8-inch water line, 33,000 feet of 6-inch water line, 12,200 feet of 2-inch water line, a 96,000 gallon (nominal) water storage tank, and other appurtenances, selection, surveying, and geotechnical investigation of a water storage tank site, as well as preparation of construction documents, regulatory permits applications, and an engineer's report.

The feasibility/rate analysis was completed as part of the preliminary application for funding (SLPSD portion) submitted to the West Virginia Infrastructure of Jobs and Development Council. The feasibility/rates analysis was completed to allow an economic evaluation of the proposed water system.

Scotch Hill/Miller Hill Water Supply Extension Project, Preston County, WV – WVDEP-AML

GAI performed a water feasibility study and subsequent waterline design for the Scotch Hill/Miller Hill Water Supply extension project.

As part of the feasibility study, GAI investigated the impact of pre-law (prior to 1977) mining on the water supply of residents in this study area. It was determined from this study that the groundwater supply had been adversely affected by pre-law mining.

GAI determined the most efficient way to distribute water to the affected area was to extend water distribution from the Town of Newburg's Water Works. GAI designed an upgrade to the town's existing booster station, distribution lines, and new water storage tank to supply water to the affected residents. The new design also encompassed a telemetry system for a more efficient operation of this distribution system.

The total length of waterline is approximately 7.5 miles with a 77,000 gallon water storage tank. The total number of new customers is approximately 107.



Three Springs Business Park, Weirton, WV – Weirton Steel Corporation



GAI was retained by Weirton Steel Corporation to develop a 100-acre industrial park.

As part of the project, we completed the conceptual design, cost estimating, completed property survey and mapping as well as environmental assessments. These assessments also involved archaeological investigations, geotechnical investigations, master plan development, and a subdivision plan. Also included in our design of the park, GAI designed stormwater management, completed permitting for the project and

performed construction monitoring during construction.

Cassity Fork Water Supply Extension Project, Randolph County, WV – WVDEP

GAI designed an extension of the Norton-Harding-Jimtown Public Service District's public water system to replace the ground water supply which had been degraded by abandoned mines in the area.

As part of the project, we designed the 40,000 lineal foot water line extension comprised of two pressure reducing valves, a duplex booster pump station, a 91,000-gallon water storage tank complete with foundations subsurface investigations. We also prepared contract documents and permit applications and performed construction monitoring services.



Water Tank Town Structural Evaluation, Coraopolis, PA – Nextel Communications



GAI was retained by Nextel Communications to perform structural analysis of the support legs and walkway platforms on an existing 130 foot high, 150,000 gallon capacity water tank for additional loadings associated with the installation of new communication antennas.

As part of the project, we reviewed the available erection and detail drawings of the tank and supports, conducted field inspection to assess the support legs and walkway platform condition, computed the additional antenna wind and ice loadings, and performed structural analysis of the tower legs and walkway platforms. GAI then prepared an engineering report with recommendations to the client.

Lake Street Water Main Improvements, Winona Lake, IN – Town of Winona Lake



GAI provided numerous alternatives and cost estimates to the Town of Winona Lake with recommendations that best fit their schedule and budget. Utilizing the existing water main to serve the new line eliminated some of the immediate costs.

We were also able to secure \$550,000 in INDOT ISTEAFunds for the project. The project improved safety to pedestrians and provided access to the Chicago Boys Club. The benefits of this project also included connecting the Winona Lake Trail to the City of Warsaw's Greenway.

Berkley County Landfill

Client: West Virginia Department of Environmental Protection, DWM

Location: Berkeley County, West Virginia

Tasks: The Berkeley County Landfill, located near Martinsburg, West Virginia, is owned and operated by the Berkeley County Solid Waste Authority. Active operations ceased in the early 1990s when the Authority was no longer able to comply with West Virginia Solid Waste Management Regulations (WVSWMR). GAI completed an evaluation of site conditions, prepared a remedial action plan, and developed the necessary construction documents. Included in this project was a 300,000 gallon leachate storage tank.

Washington Heights to Jeffrey Waterline Extension

Client: West Virginia Department of Environmental Protection, OSM

Tasks: The project involved a technical review plans and specifications presented by the WVAWC as part of the Boone County Public Service District: Regional Water Supply System. The plans included a total of seven contracts. The scope of work was to identify areas of the contracts that were within project limits set by a Phase II Water Feasibility Study conducted for the WVDEP and to determine the amount of the contract costs that were the responsibility of the WVDEP. Included were field reconnaissance, review of plans, hydraulic calculations, and cost estimating.

Community of Preston - State Route 72 Waterline

Client: West Virginia Department of Environmental Protection, OSM

Tasks: GAI prepared documents for the construction of a water transmission line along West Virginia Route 72 in Preston County, WV. The total length of waterline is approximately 1.1 miles. The completed waterline extension will service 28 customers. The Community of Preston Water Project is located near the town of Kingwood in Preston County, West Virginia. When this project was complete, residents within the project area enjoyed a public water supply that replaced their current ground water supplies, which were degraded by mines in the area.

Other

GAI has provided design, analysis, or other support services on a variety of water extension and infrastructure projects including:

- + Town of Gauley Bridge Storm Water
- + Putnam County Infrastructure Barn Drive
- + City of Charleston South Ruffner
- + City of Charleston Twilight Drive

Previous Experience on Related Projects

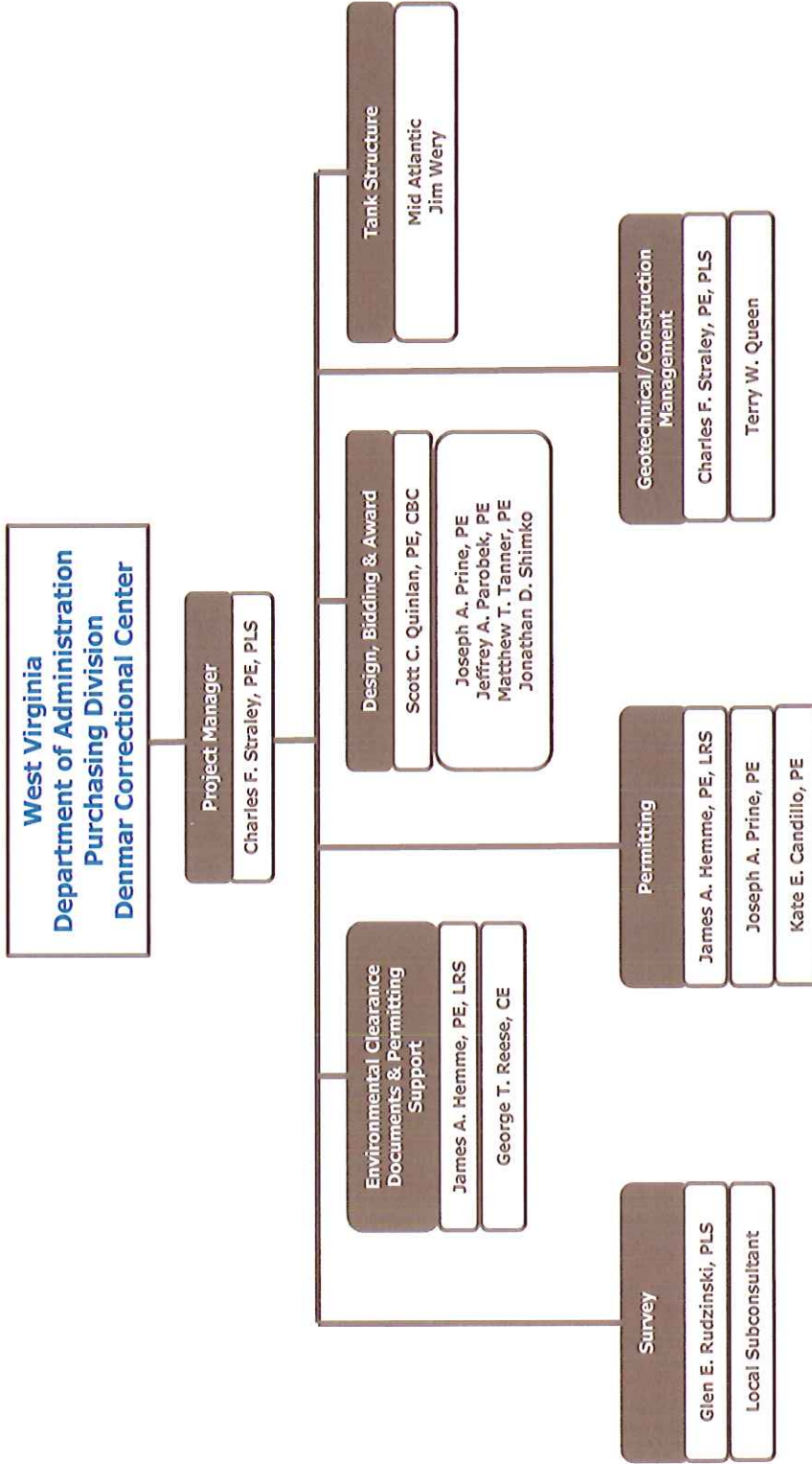
GAI has provided design, analysis, or other support services on a variety of similar projects. Although not specifically requested, project profiles for several related projects are attached. These project scopes include an overview of potential services that the DOC may consider relevant to this project.

- + Storage Tank
- + Water Line design
- + Construction Drawings and Specifications
- + Permitting
- + Survey
- + Geotechnical services
- + Cost estimation
- + Construction phase services
- + Environmental Services (if needed) such as:
 - o Environmental permitting including stream and wetland delineation
 - o Design of wetland mitigation
 - o Stream restoration and rehabilitation
 - o Environmental assessment preparation
 - o Erosion and Sedimentation (E&S) control plans/inspection
 - o Archaeological investigation

3.0 GAI's Staffing and Resources

The Organization Chart on the following page identifies the professional team for each of the major task areas associated with the Denmar Correctional Center project. The key staff assigned to these projects are highly qualified. They represent the high level of professionalism that the GAI Team brings these projects. These individuals are committed to partnering with DOC for this capital improvements project.

The GAI team is very aware of DOC need to receive quality services in a timely and cost-effective manner. Our team has the capacity to successfully perform this project utilizing local staff. The organizational chart shows the six discipline leaders, and there are many more available qualified and experienced professionals than shown on this chart. Resumes for the project team can be found in **Appendix A. Resumes**. Any member of the team assembled for this project is capable of functioning as a project or task assignment leader depending on the type of services required.



Program Management

Charles F. Straley, P.E., P.L.S. – Project Manager. Overall project management responsibility for this project will be performed by Mr. Charles F. Straley, P.E., P.L.S. Mr. Straley's 24 years of experience in both public and private sector work has enabled him to focus keenly on issues of concern to the client. In the role of project manager, he will serve the DOC's interest by coordinating and managing all fiscal and personnel aspects of the project. He is the project manager for several projects with the WVDEP-AML and LCAP programs. Mr. Straley was project manager for the South Ruffner Stormwater Drainage project for the City of Charleston and Town of Gauley Bridge as well as numerous other water and wastewater management projects. Mr. Straley was involved in the Mill Creek Regional Water Supply Extension Project, Cow Creek-Sarah Ann Water Supply Extension Project and Godby Branch Water Supply Extension Projects. Mr. Straley has experience in construction management/administration, and will oversee the project including management of GAI's construction monitoring personnel. Mr. Straley has a Masters of Civil Engineering degree in Geotechnical Engineering.

Scott C. Quinlan, PE, CBC – Design, Bidding, and Award.

Mr. Quinlan specializes in water and wastewater engineering, water resource planning, alternative water supply and project funding. He has strong project management skills in addition to his process engineering capabilities. Mr. Quinlan is also responsible for client management, utility valuation, and development of municipal capital improvement programs for both water and wastewater systems.

Joseph A. Prine, PE – Design, Bidding & Award. Mr. Prine will coordinate the daily activities for the project. Mr. Prine has 10 years of experience related to infrastructure projects. He is currently coordinating the existing projects for the DOC. Mr. Prine has provided similar activities for our other projects with the DOC.

Jeffrey A. Parobek, PE - Project Engineer. Mr. Parobek has over 27 years experience in civil engineering design and construction, he specializes in designing infra-structure projects that include water mains, roads, sanitary sewers, and storm sewers. Mr. Parobek prepares detailed construction documents for design and rehabilitation projects ranging from minor subdivision streets to major arterials. He provides design and construction phasing for multi-phase commercial developments and highway projects that require stormwater management, facilities design, site plans, construction stakeout, survey computations, construction cut sheets, site layout and design, and utility layout and design. He has also been responsible for administering construction project bidding during the construction process.

James Hemme, P.E., L.R.S. – Permitting. Mr. Hemme specializes in site engineering, including planning, permitting and stormwater management. Mr. Hemme designs storm water management systems, site developments ranging from 1 acre to over 60 acres in size, and wetland mitigation areas. He prepares geotechnical reports, flood plain modeling, highway and roadway designs, right-of-way plans, detailed construction plans, and cost estimates for projects ranging from \$10,000 to over \$2 million in construction cost. Mr. Hemme is also competent in geotechnical engineering, environmental disciplines including NEPA compliance, and transportation services. He has worked extensively with private developers, architects, municipalities and government agencies. Mr. Hemme has worked on landfills, quarries, mines, industrial and commercial sites and facilities. He has performed numerous Phase 1 Environmental Site Assessments (ESAs) providing solid waste, industrial waste, and Erosion and Sediment (E&S) control permitting.

George T. Reese, CE - Environmental Evaluations and Permitting Support. Mr. Reese will provide management and quality control for environmental evaluations and permitting support on this project. He specializes in environmental impact analysis and NEPA documentation, wetland identification and delineation, and vertebrate

ecology. He has extensive experience in population, community and behavioral ecology, and uses GIS and GPS for data collection and analysis. Mr. Reese also specializes in habitat evaluations using the Pennsylvania Modified Habitat Evaluation Procedure (PAM HEP) and GDI/HEP software, and provides habitat evaluations using U.S. Fish and Wildlife Service MicroHSI software. He designs and costs replacement habitats, and performs endangered and threatened species surveys throughout the eastern United States, and designs measures to mitigate impacts to species of concern.

Glen E. Rudzinski, PLS - Survey, Mapping. Mr. Rudzinski oversees and directs GAI survey crews and personnel. His lengthy resume of survey projects includes a wide range of survey efforts from managing a waterline replacement project survey to directing a utility easement survey for a 16-mile discharge pipeline. Mr. Rudzinski specializes in preparing ALTA/ACSM Land Title surveys and subdivision plans for site development and rails to trails projects. He has office and field experience in construction stakeout, survey computations, cut sheets, and utility layout.

Subcontractors

Mid Atlantic will perform the structural analyses and design for the tank structure. They have utilized their tanks on hundreds of projects throughout West Virginia.

GAI will competitively secure the services of qualified subcontracting services for any ancillary services needed such as drilling, analytical laboratory testing, or aerial mapping.

Current Workload

The proposed staff of engineers and technicians is available for this project.

We are prepared to begin work on the project immediately.

4.0 Construction Management

Construction Management solutions have become a critical component to realizing project success. GAI's practical, comprehensive solutions are supported by over 50 years of experience and a multi-disciplined approach, which enables us to customize our work per client, per project. We help provide the protection required to ensure that our clients' projects are completed on time, under budget, and to a high degree of quality. Our broad range of expertise in the water and wastewater industry provides our team with the ability to work for a wide array of clients offering comprehensive services before the project has started, during the project's multiple phases, and after the project has been successfully completed. Specifically for the waterline extension projects, we envision performing the following services:



- + Pre-construction condition surveys
- + Rehabilitation Designs and Recommendations
- + Traffic Control
- + By-Pass Pumping
- + Development of project/construction management plans
- + Bid evaluation
- + Resident and office engineering
- + Inspection
- + Utility / Homeowner coordination
- + Scheduling and Cost estimating
- + Compliance monitoring and Document control
- + As-built documentation
- + Claims avoidance, analysis and mitigation
- + Project closeout

GAI has construction inspection staff that is experienced in providing oversight of utility and sewer infrastructure projects. Our personnel observe installations to verify compliance with the provisions of contract documents, and document materials and quantities for pay application review and evaluation of contractor change orders. Our field staff work closely with our engineers in the event of difficulties or adjustments that must be made in the field because of unforeseen conditions. We also work with the various agencies to determine documentation required for reimbursement from various funding sources used for these projects.

Planning throughout the project is based on the fact that water and wastewater collection system rehabilitation and construction is a dynamic, ever changing business. Homeowners, municipalities, agencies, and the public require coordination. We provide our management services with the knowledge that a quick reaction is important to keeping a project on track. GAI's ability to receive information quickly from all sources enables our staff to make decisions as to the best alternatives or course of action.

The GAI Team's Project Approach will be jointly developed with Eastern Wyoming PSD staff to specifically meet the unique needs of this project.

- + **Bidding Phase** - Ultimately, construction performance rests with the contractors and suppliers who build the facility. GAI's experience in planning and managing the bidding process will provide quality of construction and a competitive bid price.
- + **Pre-Construction Phase** - GAI offers comprehensive pre-construction services and technical support staff for projects. We are experienced in estimating, value engineering, scheduling, local construction requirements, and governmental approvals.
- + **Construction Phase** – GAI's experience with local contractors and suppliers, in addition to our specialized management capabilities, is critical to coordinating, leading, motivating and supporting contractors to get results. The team assigned for this project will have the expertise and experience to efficiently and effectively execute the work. Full time site managers will track all interceptor repairs as well as monitor quality control.

Education

M.S. Geotechnical Engineering 1988,
University of Akron

B.S. Civil Engineering 1986, University of
Akron

Registrations/Certifications

Professional Engineer, WV, No. 11842

Professional Engineer, OH, No. E-59790,

Professional Engineer, KY, No. 19097

Professional Engineer, IN , No.

PE10708581

Professional Licensed Surveyor, WV, No.

1888

Relevant Training/Courses

Leaders to Watch, GAI Consultants, Inc.,
2011

Leadership and Management Skills, GAI
Consultants, Inc, 2011

Advanced Project Management Training,
GAI Consultants, Inc., 2009

Troxler Certified

10-OSHA Safety training

40-hour Health and Safety Training

8-hour Supervisor Health and Safety
Training

Affiliations

Society of American Military Engineers,
Member

Professional Employment History

University of Akron, Private Consulting
and Testing, 1986-1987

R&W Contracting and Excavating, Inc.,
Summers, 1982-1984



Professional Summary

Mr. Straley specializes in civil engineering with an emphasis in geotechnical engineering, including all aspects of subsurface exploration, laboratory testing, foundation and embankment design, slope stability, material and construction specifications, and construction administration, management and monitoring.

Professional Experience

Civil and Geotechnical Engineering

+ Cow Creek - Sarah Ann Water Supply Extension Project, Logan County, West Virginia. In charge of geotechnical investigation and foundation design for water supply structures for the Cow Creek - Sarah Ann Water Supply Extension project in Logan County, West Virginia. Project included subsurface investigation; design of three water tanks, three booster stations, one master meter assembly, and approximately 19 miles of waterline; preparation of technical specifications, drawings, and engineer's cost estimate; and participation in pre-bid and pre-construction meetings.

Bid construction cost was approximately \$4,800,000. Designed an access road for Fola Coal Company Clay County, West Virginia to West Virginia Division of Highways standards.

+ Design, construction monitoring, and construction administration for two lake dredging projects. Activities included subsurface investigation, regulatory approvals, construction drawings, technical specifications, construction troubleshooting, cost estimating, daily reports, and client interaction. West Virginia Department of Natural Resources, Tomlinson Run State Park and Kanawha State Forest.

+ Godby Branch Water Supply Extension, Logan County, West Virginia. In charge of geotechnical investigation and foundation design for water supply structures for the Godby Branch Water Supply Extension project. Project included subsurface investigation; surveying; design of water tank, booster station, and approximately 2.5 miles of water line; preparation of technical specifications, drawings, and engineer's cost estimate; and participation in pre-bid and pre-construction meetings. Bid construction cost was approximately \$680,000.

+ Kingwood 52/6 Water Extension in Preston County, West Virginia. The scope of work included design of 13 miles of waterline, one water storage tank, and one booster pump station, subsurface investigations, and special considerations for high pressures. Work included preparation of drawings, technical specifications, engineer's cost estimate, and preparation of applicable permit applications.

+ Mill Creek Regional Water Supply Extension in Logan County, West Virginia. The scope of work included construction of water transmission lines, a water distribution system, two water storage tanks, a booster

station, two hydropneumatic tanks, and a water treatment plant. The total length of water line to be constructed is approximately 34 miles. The project included design of: site drainage (including channels and culverts), site grading, redesign of West Virginia Route 12 (including approval from West Virginia Division of Highways), subsurface investigations, preparation five railroad crossing permits, West Virginia Division of Highways occupancy permit, West Virginia Division of Environmental Protection (West Virginia Department of Environmental Protection) permit, West Virginia Office of Environmental Health (WVOEH) permit, West Virginia Public Lands Corporation permit, and United States Corps of Engineers permit. Numerous meetings with the West Virginia Department of Environmental Protection, LCPSD, West Virginia Public Service Commission, and the WVOEH were required during the project. GAI coordinated water line alignment work with the LCPSD and numerous other utility companies to avoid conflicting the location of the existing utility lines and proposed water transmission line and distribution system. The scope of work also included the design of a steel tank pre-sedimentation basin, adsorption clarification/filtration treatment units with a total 3,000 GPM capacity, a pretreatment chemical feed system (including metering pumps, chemical mixers, solution tanks, and in-line mixers), water intake pumps, a decant basin (including excavation, foundations, walls, piping, etc.), sludge drying beds, a post treatment chemical feed system, clearwell and baffle assembly, and the treatment plant building. The water treatment plant was designed to provide 400 GPM of potable water.

- + Project manager for the South Ruffner Storm Water Management project in Charleston, West Virginia. The project included performing a comprehensive study of the drainage system and conceptual design of improvements to the drainage system. Designed Phase I of the improvements including twin aluminized-steel culverts and a concrete box culvert. City of Charleston
- + The Scotch Hill/Miller Hill Water Supply Extension project located in Preston County, West Virginia. Work included subsurface investigation; design of one water storage tank, and approximately 7.5 miles of waterline including preparation of drawings, technical specifications, construction quantities, an engineer's cost estimate, and preparation of applicable permit applications.
- + Washington Heights to Jeffrey Waterline Extension in Boone County, West Virginia. The project involved a technical review plans and specifications presented by the WVAVC as part of the Boone County Public Service District: Regional Water Supply System. The plans included a total of seven contracts. The scope of work was to identify areas of the contracts that were within project limits set by a Phase II Water Feasibility Study conducted for the West Virginia Department of Environmental Protection and to determine the amount of the contract costs that were the responsibility of the West Virginia Department of Environmental Protection. Included were field reconnaissance, review of plans, hydraulic calculations, and cost estimating.
- + Closure design for an eleven acre municipal solid waste landfill. Grading, slope stability analyses, cap design, leachate collection, leachate treatment, and construction document preparation were major aspects of the project. West Virginia Department of Environmental Protection - Office of Waste Management
- + Performed construction management and certification for the closure of the municipal solid waste Berkeley County Landfill in Berkeley County, West Virginia. Closure activities included regrading waste, leachate management and transmission, gas management and cover consisting of 125,000 square yards of HDPE geomembrane. Project completed over two construction seasons.
- + Responsible for design of The Storm Sewer Project, Phase I, in the Town of Gauley Bridge in Fayette County, West Virginia. The purpose of the project was to collect and convey storm water through the project area to minimize impacts from localized flooding. Performed the construction monitoring and administration for the construction of the project. Town of Gauley Bridge
- + Inspected, evaluated and designed repair alternatives for Spruce Island and Sand Run Dams in Tucker County, West Virginia. Design included evaluation and improvement of slope stability for both earthen embankments, improvements to inlet and outlet works, and the geometry of the spillways. Permit applications for both dams were prepared. Performed the construction administration and certification of the completed repairs. Timberline Association

James A. Hemme, PE, LRS

Senior Engineering Manager / Assistant Office Manager

Education

M.B.A. Point Park University, Currently Enrolled

B.S. Civil Engineering 1989, West Virginia University Institute of Technology
Marshall University Graduate College, Environmental Engineering Coursework

Registrations/Certifications

Professional Engineer: WV, No. 12195; KY, No. 25437; OH, No. 72851; IN, No. 10809277; PA, No. 75494; NY, No. 85794
Licensed Remediation Specialist, WV, No. 003

Relevant Training/Courses

Harvard Leadership Development Training, GAI Consultants, Inc., 2010
Advanced Project Management Training, GAI Consultants, Inc., 2009
Leaders to Watch Program, GAI Consultants, Inc., 2008
OSHA 40 hour HAZWOPER Training
NICET 1 Geosynthetics Installation Inspection (expired)
Nuclear Density Gage Training, DOT and NRC (expired)
MSHA Safety Training (expired)

Professional Employment History

Environmental Design Group, 2000-2006
Potesta and Associates, 1997-2000
Terradon Corporation, 1995-1997
Joyce Engineering, 1990-1995
Dewberry and Davis, 1989-1990

Professional Summary

Mr. Hemme specializes in site engineering, including planning, permitting and stormwater management, with emphasis on parks and recreation areas and streetscapes. He brings a multi-disciplinary background to projects and this enables him to see the "big picture" of what will be needed to take a project from start to finish. Mr. Hemme is also competent in geotechnical engineering, environmental disciplines including NEPA compliance, and transportation services. He has worked extensively with private developers, architects, municipalities and government agencies.

Mr. Hemme has worked on landfills, quarries, mines, industrial and commercial sites and facilities. He has performed numerous Phase 1 Environmental Site Assessments (ESAs) providing solid waste, industrial waste, and Erosion and Sediment (E&S) control permitting. Mr. Hemme designs storm water management systems, site developments ranging from 1 acre to over 60 acres in size, and wetland mitigation areas. He prepares geotechnical reports, flood plain modeling, highway and roadway designs, right-of-way plans, detailed construction plans, and cost estimates for projects ranging from \$10,000 to over \$2 million in construction cost.

Mr. Hemme volunteered his time and knowledge to assist with preparation of the Greater Charleston Greenway Initiative by the West Virginia Land Trust Company in Charleston, West Virginia. He authored the analysis section of the report and peer-reviewed the entire document. Mr. Hemme is a current volunteer with the Riverside South Committee, which is working with the Charleston Land Trust to beautify and possibly promote pedestrian access on the south side of the Kanawha River. He has developed schematic plans and reviewed narratives for inclusion into several progress updates to the Land Trust.

Professional Experience

Civil Engineering and Permitting

- + Site Design for over 100 different projects throughout West Virginia, Ohio, Kentucky and Pennsylvania. NEPA compliance for wetlands, streams, cultural resources, and endangered species. Phase 1 Environmental Site Assessments for a wide range of facilities.
- + Designed over 50 stormwater management systems including run-on and run-off control utilizing ditches, berms, sumps, sediment ditches, storm sewers, culverts, drop structures, ponds, energy dissipaters, etc. Work included technical specifications, cross sections, profiles, site grading detail development and hydrologic and hydraulic modeling.
- + Developed detailed designs for over 100 different ponds at multiple sites throughout West Virginia and other states, including sediment ponds, treatment ponds, leachate storage ponds, and stormwater detention



ponds. Work included hydrologic and hydraulic routing calculations, volume estimates, embankment design, treatment efficiency, dewatering calculations, etc.

- + Prepared over 50 detailed Erosion and Sediment (E&S) Control Plans for various sites throughout West Virginia, including coal mines, quarries, highways, landfills and site developments. Work included technical specifications, re-vegetation plans, temporary control details and sequencing plans.
- + Prepared numerous National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit Applications for sites throughout West Virginia and Ohio.
- + Prepared a complete set of construction plans and specifications consisting of a detailed grading plan, a storm sewer system consisting of 34 drop inlets and over 3,800 feet of piping, and parking lot layout.
- + West Virginia State College. Design of a revised stormwater system around the student union to help alleviate basement flooding issues.
- + Town of Buffalo. Phase I storm sewer design and construction administration for over 2,000 ft. of storm sewer with discharge to the Kanawha River, that included permitting work with the Corps of Engineers.
- + Analyzed various culvert scenarios consisting of modeling existing culverts and potential new corrugated metal pipe, steel pipe, concrete pipe and concrete box culverts to prevent upstream flooding from fill placement for Marietta Industrial Enterprises, Parkersburg, West Virginia.
- + Designed an extensive stormwater management system consisting of several thousand feet of ditch and storm sewers, and two sediment ponds designed to limit inflow to pre-existing conditions for the 2-, 10-, 50-, and 100-year storm events for Hanover County Sanitary Landfill, Virginia.
- + Melinda Street Stormwater Improvements. Underground stormwater detention system and storm sewer improvements design for the City of Parkersburg, West Virginia.

Solid Waste Management and Engineering

- + Design and permitting for 50 different solid waste facilities in West Virginia, Virginia, and Ohio.
- + Berkeley County Solid Waste Authority. Siting Study regarding suitability of property.
- + North Fork Landfill. 50-acre landfill over previously deep mined area.
- + Nicholas County Landfill. Small rural landfill expansion with special steep slope design.
- + Disposal Service Landfill. Unique multi-stage expansion of a landfill including steep slope design.
- + Boone County Commission. Permitting of various solid waste transfer stations.
- + Page County, Virginia comprehensive countywide search for a regional landfill.
- + Anker Energy Conceptual Study to determine feasibility of fly ash disposal facility.
- + Elkem Metals fly ash landfill utilizing a geosynthetic clay liner and special slope design.

Waste Water and Potable Water Design

- + National Radio Astronomy Observatory. Designed unique, non-mechanical, award-winning treatment system that uses no electricity and treats the entire campus wastewater load.
- + Manufactured Housing Development Waterline Replacement. Designed over 5 miles of water line within an existing 1000+-unit manufactured housing development.
- + Huttonsville Correctional Facility. Provided retrofit design for temperature, grease and trash issues.
- + Anthony Correctional Center. Designed package water treatment plant for correctional facility.
- + St. Mary's Correctional Facility. Retrofit design to address trash and grease issues.
- + Pocahontas County Landfill. Modular trickling sand filters with aeration pond and polishing wetland.
- + Multiple Landfills. Pre-treatment system design to remove high BOD levels prior to WWTP.
- + Storage Tank Design. Multiple bolted or welded steel tanks primarily for leachate storage.

Abandoned Mine Land (AML) Reclamation and Acid Mine Drainage (AMD) Treatment

- + Richard Mine Acid Mine Drainage. Treatment Alternatives Report, Monongalia County, West Virginia.
- + Richard Mine Flow Monitoring Study. Design, installation, full time flow monitoring and reporting for a 1 year period on drainage from a substantial AMD discharge.

Education

B.S. Engineering Technology, Civil
Emphasis 2001, West Virginia University
Institute of Technology

A.S. Drafting and Design 2001, West
Virginia University Institute of Technology

A.S. Civil Engineering Technology 2001,
West Virginia University Institute of
Technology

Engineering Management Coursework,
Marshall University

Registrations/Certifications

Engineering Intern No. 8334

NICET Certified, Engineering Technology,
No. 103538

Military Awards

First Coalition Force Design Team,
Commander, Tallil Air Base, Iraq

Relevant Training/Courses

Advanced Project Management Training,
GAI Consultants, Inc., 2009

OSHA 40 hour HAZWOPER Training

OSHA 10 hour Construction Industry
Training Program

Professional Employment History

Shaw Environmental & Infrastructure,
2006-2007

Environmental Design Group (now Floyd
Browne Group), 2001-2006

Professional Summary

Mr. Prine specializes in civil engineering and site development including streetscape design and planning. He has worked with private developers, architects, municipalities and government agencies. Mr. Prine has contributed to planning and design efforts for several community improvement and streetscape projects. He provides designs for large and small sites ranging in size 1 to 40+ acres, and highways and roadways, and assists in the preparation of design and construction plans, reports and cost estimates.

Mr. Prine specializes in environmental engineering including Phase 1 reports, environmental monitoring, permitting, and design. His civil engineering/site design experience includes stormwater management system design, earthwork estimating, and water and sewer line extensions. Mr. Prine has substantial experience in site engineering and stormwater management. He has worked on various construction project sites including landfills, abandoned mines, and industrial and commercial facilities.

Professional Experience

Environmental Engineering

- + Anthony Correctional Center. Design of package water treatment plant for correctional facility.
- + Richard Mine AMD Flow Monitoring Study in Morgantown, West Virginia.
- + Spill Prevention Control and Containment (SPCC) Plans, CSX Railroad National Contract.
- + Facility Response Plans (FRP) Plans, CSX Railroad National Contract.
- + Rockport Terminal Tampa, Florida Storm Water Management Redesign, CSX Railroad.
- + Oil Discharge Contingency Plans for State of Virginia, CSX Railroad National Contract.
- + Facilities upgrade design for Homeland Security, CSX Railroad National Contract.
- + Redesign of CSX Railroad Waste Water Treatment Plant in Clifton Forge, Virginia.
- + Environmental Emergency Responder to Train Derailment in Handley, West Virginia.
- + Site Monitoring and Cap Design for Remediation Site in Huntington, West Virginia.
- + QA/QC for Installation of New Groundwater Monitoring Wells in Scary Creek, West Virginia.
- + Brownfield Way Ground Water Monitoring Reports in South Charleston, West Virginia.



- + Nicholas County Landfill Design and Permitting: New Landfill Cells and General Site Engineering.

Land Development / Site Planning

- + Chesapeake Energy Regional Headquarters in Charleston, West Virginia, Leadership in Energy and Environmental Design (LEED) Project.
- + Chesapeake Energy Field Offices in Mount Morris, Pennsylvania, and Honey Branch, Kentucky
- + Detailed Site Design Aspen Village in Davis, West Virginia.
- + Ft. Boreman Development Master Plan Site Preparation and Roadway Design in Parkersburg, West Virginia.
- + Golf Club House and Lodge Site Development in Stonewall Jackson State Park, West Virginia.
- + Family Carpet Plaza-Site Design and Permitting in Parkersburg, West Virginia.
- + Storm Water Detention System, Melinda St. in Parkersburg, West Virginia.
- + Site Design for Schools Hannan, Wahama, New Haven, and Pt. Pleasant in Mason County, West Virginia.
- + Design of Storm Water Management System, Western Management in Parkersburg, West Virginia.
- + Preparation of Detailed Erosion and Sediment Control Plans.
- + Preparation of NPDES Construction Stormwater Permit Applications.

Streetscape and Trails

- + City of Mount Hope Streetscape in West Virginia.
- + East End Design Charrette, City of Charleston, West Virginia.
- + Florida Street Master Plan for the West Side Neighborhood Association, City of Charleston, West Virginia.
- + City of Richwood, West Virginia Streetscape Master Plan and Phase 1 Construction.

Education

M.S. Environmental Engineering 1988,
University of Florida

B.S. Civil Engineering 1987, University of
Florida

Registrations/Certifications

Professional Engineer, FL, PA

Certified Building Contractor, FL, No.
CBC1255726

Real Estate Broker, FL, No. BK658659

Relevant Training/Courses

MSHA 24 Hour Surface & Construction
Training, 2011

Leaders to Watch, GAI Consultants, 2010
Management and Leadership Skills

Training, GAI Consultants, 2009, 2010

High Performance Management Training,
GAI Consultants, 2009

Ultimate Project Management Training,
GAI Consultants, 2009

Affiliations

American Society of Civil Engineers

Water Environment Federation

American Water Works Association

Engineers Society of Western PA

Southwestern PA Engineering Outreach

Pennsylvania Rural Water Association

Professional Employment History

IMS Construction, 2005-2008

Warner-Quinlan, Inc., 2003-2006

Quinlan & Associates, Inc., 1997-2003

Hartman & Associates, Inc., 1991-1997

Dyer, Riddle, Mills & Precourt, Inc., 1984-
1991

Professional Summary

Mr. Quinlan specializes in water and wastewater engineering, water resource planning, alternative water supply and project funding. He has strong project management skills in addition to his process engineering capabilities. Also, Mr. Quinlan is responsible for client management, utility valuation, and development of municipal capital improvement programs for both water and wastewater systems.

Professional Experience

Water

- + Alternative Water Supply Preliminary Design Report, City of Daytona Beach, Florida. This report evaluated the use of storm water to augment both the reclaimed water system as well as the potable water. Treatment alternatives included microfiltration (MF), ultrafiltration (UF), nanofiltration (NF) and reverse osmosis (RO). The report also included recommendations concerning costs, permitting, and scheduling as well as pilot studies required for storm water supply, treatment and blending at the wastewater treatment plant.
- + L-73 Canal Water Conveyance Preliminary Design Report Deseret Ranches, Florida. Responsible for preliminary design and drawings for modification to the L-73 canal for the conveyance of surface water along the 17 mile length. The preliminary design also includes the proposed impoundment of Wolf & Pennywash Creek. Other services included pre-permitting and construction cost estimating.
- + Stormwater Management Preliminary Design Report to Address the May 2009 Flooding for the City of Daytona Beach, Florida. Responsible for preliminary design for storm water management for the area bordered by Orange Ave, Ridgewood Ave, Belleview and the Nova Canal. The proposed design includes a combination of ponds, pumping and transmission.
- + Surface Water Management Conceptual Design, Confidential Large Central Florida Utility, Florida. To meet water supply demands, the project team prepared a conceptual design approach to develop and capture surface water, store the water in surface reservoirs and then develop transmission facilities to convey flows up to 60 MGD.
- + Alternative Water Supply in Daytona Beach, Florida. Engineering for preliminary design (including a preliminary design report write-up). The project consisted of performing a study for use of stormwater for an alternative water supply source to supplement the existing reuse and/or potable water system. This included preliminary design for the installation of pump stations, preliminary treatment for reuse and potable water, and a Reverse Osmosis Water Treatment Plant.



- + Halifax River Subaqueous Water Main Crossing, Daytona Beach, Florida. This project included the route selection, alignment, design and construction management services for a 2000 ft.+ horizontal directional drill to replace an existing 14-inch watermain. The subaqueous crossing is beneath the Halifax River in Daytona Beach.
- + Consumptive Use Permit (CUP), Confidential Large Central Florida Utility, Florida. Developed and coordinated a comprehensive program to obtain a surface water CUP. The following activities were undertaken and/or coordinated: Dredge and Fill permit, Environmental Assessments, Water Conservation Plan, etc.
- + Norwood-Oeffler Water Treatment Plan VOC Removal Project in North Miami Beach, Florida. Engineering for design, permitting and construction management. This project consisted of the installation of additional degasifier systems at the end of the nanofiltration process of the water treatment plant for hydrogen sulfide, carbon dioxide, and vinyl chloride removal.
- + Water Interconnect with Polk County, Mulberry, Florida. Designed and prepared the permit for a two-way water interconnect between the City and Polk County, and assisted the City in finalizing the interlocal agreement with the County.
- + 20-year Water Use Permit (WUP) Renewal Application, Bartow, Florida. Evaluated documents related to the 20-year WUP renewal application documents prepared by the developer's consultant for the best interest of the City, provided professional input and coordination with the Southwest Florida Water Management District (SWFWMD) to resolve the water demand issues for the City.
- + On Top of the World Utility Acquisition by Bay Laurel Central Community Development District, Ocala, Florida. This first task of this project included the engineering due diligence of a water and wastewater system being acquired by the District. This included an on-site inspection of all facilities including all lift stations, water treatment plant and wastewater treatment plants, a review of all regulatory records, analysis of future capacity needs, and discovery of all tangible assets. The second task of this project involved the utility valuation replacement cost approach, involving a detailed cost estimate.
- + Project manager for some of the largest alternative supply projects in the Central Florida area. Experience included conceptual design, design development and implementation.
- + Planning, design, and permitting for a 4 MGD Reverse Osmosis Water Treatment Plant (WTP) for the City of Port St. Lucie, which was constructed on the same site as the City's existing lime softening WTP. The facility was originally designed with provisions for expanding the treatment capacity to 10 MGD.
- + The City of Bartow's 10-Year Water System Master Plan and Preliminary Design Report for the recommended 7 MGD lime softening WTP, including wells, solids - contact clarifiers and gravity filters.
- + Utility valuations for the City of Port St. Lucie, the City of North Port, and the City of Palm Bay.
- + Engineer of record or project engineer for nearly \$250 million in capital improvement programs for cities throughout the state of Florida. Responsibilities included design and construction management for water, wastewater and utility pipelines.
- + Design engineer for the City of Dunedin Membrane Softening Reverse Osmosis water treatment plant.
- + Design engineer for the City of Palm Bay's 2.0 MGD well field expansion project. Work included well pump, well house and transmission facilities.

Education

B.S. Biological Sciences 1984, University of Pittsburgh

M.S. Biology 1989, Clarion University of Pennsylvania

Registrations/Certifications

Certified Ecologist, Ecological Society of America

Awards

G. Murray McKinley Research Award, Pittsburgh Foundation and Pymatuning Laboratory of Ecology, 1986, 1987

Relevant Training/Courses

Harvard Leadership Development Training, GAI Consultants, Inc., 2010
Advanced Project Management Training, GAI Consultants, Inc., 2009
Leaders to Watch Program, GAI Consultants, Inc., 2008
OSHA 40-Hour Hazardous Waste Operations and Emergency Response
Wetland Delineation 40-Hour Course, USACOE Methodology
West Virginia University, Methods for Stream Channel Assessment and Analysis

Affiliations

Ecological Society of America, Member
University of Pittsburgh, Department of Biological Sciences Lecturer, 2009

Professional Employment History

Clarion University, 1985-1987
University of Pittsburgh, 1985



Professional Summary

Mr. Reese specializes in environmental impact analysis and National Environmental Policy Act (NEPA) documentation, permitting, siting studies, and vertebrate ecology. His ecological specializations are in the areas of population, community and behavioral ecology. He has extensive experience in the design of replacement wetlands and habitats, and has performed endangered and threatened species surveys throughout the eastern United States, including designing and developing measures to mitigate impacts to species of concern.

Professional Experience

- + Project manager for permitting of five Marcellus pipeline projects and a compressor station project in southwestern Pennsylvania for Williams Companies, Inc. Efforts included waterbody and erosion and sediment control permitting and endangered species investigations.
- + Project manager for wetland delineations for over 40 Marcellus pipeline projects in southwestern Pennsylvania for Laurel Mountain Midstream, LLC.
- + Project manager for wetland delineations for over 45 Marcellus pipeline and compressor station projects throughout Pennsylvania for Chief Oil and Gas. Several projects also included endangered plant species surveys and habitat assessments.
- + Project manager for post-construction invasive species monitoring on over 40 miles of natural gas transmission pipeline ROW in central Pennsylvania for Dominion Transmission, Inc.
- + Project manager for post-construction wetland monitoring on over 60 miles of natural gas pipeline in Pennsylvania for Dominion Transmission, Inc.
- + Project Manager for 10 line routing and siting studies for electric transmission lines in VA for Appalachian Power Company. Responsibilities included alternatives development, route analysis and selection, agency coordination, field investigations and reports, preparation of filing materials, public meeting participation and displays, and testimony before the VA State Corporation Commission.
- + Project Manager for seven line routing and siting studies for electric transmission lines in KY, MI, IN, and OH for American Electric Power. Responsibilities included alternatives development, route analysis and selection, agency coordination, field investigations and reports, preparation of filing materials, public meeting participation and displays.
- + Project Manager for 115kV transmission line siting and permitting project in Pennsylvania for FirstEnergy.
- + Project Manager for Phase I cultural resources surveys for six electric transmission line projects in VA for Appalachian Power Company.

- + Project Manager for FERC applications and federal, state and local permitting for Columbia Gas Transmission Corporation's Ohio Storage Expansion Project. Activities included the installation or enhancement of 65 wells and approximately 22 miles of pipeline, as well as above-ground facility upgrades. GAI coordinated with FERC staff in developing the Applicant Prepared Environmental Assessment for the project.
- + Project Manager for FERC applications and federal, state and local permitting for Columbia Gas Transmission Corporation's Line 1278/ Line K Replacement Project in Pennsylvania and New York. GAI coordinated with FERC staff in developing the Applicant Prepared Environmental Assessment for the project.
- + Project Manager for Columbia Gas Transmission Corporation's Sparrowbush Compressor Station in New York. Activities included NPDES permitting and noise analyses.
- + Project Manager for Columbia Gas Transmission Corporation's Line K Replacement Project Station in New York. Activities included endangered species surveys, wetland delineation, and permitting.
- + Project Manager for Columbia Gas Transmission Corporation's Line VM-107 and VM-108 Repair Projects in Virginia. Activities included mussel surveys and relocations.
- + Project manager for preparation of the Buffalo Creek Watershed River Conservation Plan for the Audubon Society of Western Pennsylvania.
- + Permitting and environmental inspection task manager for Reliant Energy's Keystone Wastewater Discharge Pipeline in western Pennsylvania.
- + Project Task Manager for Wood Turtle Monitoring and Relocation for Columbia Gas Transmission Corporation's Virginia Looping Project.
- + Project Manager for The Interstate Natural Gas Association of America (INGAA) study Impacts of Broken Canopies on Forest Habitat and Interior Species.
- + Task manager for rare plant and timber rattlesnake habitat assessment for an Atlantic Wind project in Clearfield County, Pennsylvania.
- + Task manager for mast habitat assessments for the Eastern Woodrat for an Atlantic Wind project in Fayette County, Pennsylvania.
- + Project Task Manager for federal, state, and local permitting for six Columbia Gas Transmission Corporation pipeline replacement and cathodic protection system replacement projects in New York.
- + Environmental task manager for Duquesne Light Company Highland-Logans Ferry 345 kV Line, Allegheny County, PA. Responsibilities included alternatives development, route analysis and selection, agency coordination, field investigations and reports, siting study and environmental assessment report, preparation of PaPUC application and filing materials, public meeting participation and displays, and preparation of environmental permitting.
- + Environmental task manager for Duquesne Light Company Universal-Plum 345 kV Line, Allegheny County, PA. Responsibilities included alternatives development, route analysis and selection, agency coordination, field investigations and reports, siting study and environmental assessment report, preparation of PaPUC application and filing materials, public meeting participation and displays, and preparation of environmental permitting.
- + Wyoming/Jackson Ferry Transmission Line in Virginia and West Virginia for American Electric Power. Engineering and environmental consulting project for planning, design, and construction of a proposed 90-mile, 765 kV transmission line in compliance with federal and state permitting agencies requirements. Responsible for environmental mitigation and management plans, vegetation inventory and clearing plans, timber appraisal, wetland delineations, and permitting aspects of the project.
- + Honduras Transmission Line from Puerto Cortes, Honduras to Apopa, El Salvador, Central America for AES Aurora. Responsible for an Environmental Impact Assessment for the proposed AES Honduras 377-kilometer 230 kV electric transmission line in Central America. Required the coordination of a large, multidisciplinary international team of consultants working closely with local subconsultants to conduct field investigations and long-term monitoring programs to collect data to develop extensive environmental documentation in both English and Spanish. Documents were prepared for submission to Honduran and Salvadoran permitting agencies, local agencies, and the Inter-American Development Bank.

Education

B.S. Mining Engineering 1983,
The Pennsylvania State University

Registrations/Certifications

Professional Engineer (039557R),
PA 1989, VA 1989

Relevant Training/Courses

Advanced Project Management Training,
GAI Consultants, Inc., 2009

ASFE Fundamentals of Professional
Practice, 1998

Professional Employment History

William H. Gordon Associates, Inc.,
1984-1994

Professional Summary

Mr. Parobek specializes in designing infrastructure projects including water mains, roads, sanitary sewers, and storm sewers; and preparing detailed construction documents for projects from minor subdivision streets to major arterials. He provides design and construction phasing for multi-phase commercial developments and highway projects providing stormwater management, facilities design, site plans, construction stakeout, survey computations, construction cut sheets, site layout and design, and utility layout and design. He has also been responsible for administering construction project bidding during the construction process.

Professional Experience

Site Development

- + Lardin Substation Expansion in German Township, Pennsylvania. Site development project to expand the Lardin Substation. Project manager for the project that included including grading, landscape buffer, drainage improvements, erosion and sediment control plans and stormwater management report. The project included coordination meetings with the municipalities and attendance at zoning and planning hearings to obtain local approvals.
- + Loyalhanna Substation Expansion in Latrobe, Pennsylvania. Site development project to expand the Loyalhanna Substation. Project manager for the site design portion of the project that consisted of topographic and property survey, grading plans and erosion and sediment control plans. The project also included coordination meetings with the municipality and local permit applications.
- + Wallace Lane Substation in Murrysville, Pennsylvania. Project manager for the project to study the proposed expansion of the Wallace Substation. The work consisted of preparation of concept plans studying alternate configuration and grading schemes for a replacement substation while maintaining service from the existing substation. The analysis included evaluation of earthwork needs, minimization of retaining walls, drainage and maintenance access.
- + WalMart Supercenter #3735 in Monroeville, Pennsylvania for Wal-Mart Stores, Inc. Site development project to construct a Wal-Mart supercenter retail and grocery store on a 29-acre site requiring associated access roads, parking facilities, and utilities. Project Manager for the project requiring boundary and topographic survey, geotechnical investigations, a Phase I and II Environmental Site Assessment, wetland studies, a archaeological and historical sites inquiry, a traffic impact analysis, and coordination meetings with government agencies and utility companies.



- + Summerset at Frick Park Residential Development at Nine Mile Run in Pittsburgh, Pennsylvania for the Urban Redevelopment Authority of Pittsburgh. Residential development project for a 238-acre brownfield site requiring Phase I and II grading, infrastructure planning, design, and permitting for a 713-unit multi-phased residential development on an abandoned riverside slag dump bordering the main access highway to Pittsburgh's eastern suburbs, an ongoing development project. Project Manager responsible for preliminary and final design for grading and infrastructure for this multiple-award-winning project.
- + Nationwide Appraisals Building in Washington, Pennsylvania for Millcraft Industries. Site development project for construction of two buildings at the Crossroads Development. Project manager responsible for subdivision plan, utility investigation, storm water management analyses, site development plans, Erosion & Sedimentation (E&S) Control Plan, National Pollutant Discharge Elimination System (NPDES) General Permit, sewage facilities, planning modules, technical specifications, and meetings and coordination.
- + Dee Jay's Ribs Restaurant in Weirton, West Virginia for Dewey J. Guida. Site development project for a restaurant in the Three Springs Industrial and Business Park. Project Manager responsible for conceptual layout, permitting, preliminary grading studies, stormwater management report, Erosion & Sedimentation (E&S) Control Plan, National Pollutant Discharge Elimination System (NPDES) permit application, and coordination meetings.
- + Amerihost Inn in Weirton, West Virginia for Arlington Hospitality Development, Inc. Site development project to construct an inn at Three Springs Industrial and Business Park. Project Manager responsible for permitting review, preliminary design development, preliminary grading studies, site plan design, utilities design, stormwater management report, Erosion & Sedimentation (E&S) Control Plan, National Pollutant Discharge Elimination System (NPDES) permit application, ALTA survey, and coordination meetings.
- + Indiana Site Development in Indiana County, Pennsylvania for Langholz Wilson & Associates, Inc. Site development project for retail space on a 1.5-acre site.
- + Sims Metal Recycling Facility in Dinwiddie County, Richmond, Virginia for Sims Metal Company. Site improvement project to modify an existing metal recycling facility on a 16-acre site requiring 2,000 l.f. of access roadway with truck scale, planning for 2,000 l.f. of new privately-owned railroad track (spur), and a 22,500 s.f. prefabricated building in 2004. Responsible for topographic and utility survey, environmental site assessment, site layout and design, truck scale design, and building foundation design.
- + Federal Drug Enforcement Administration (DEA) Office Site in Kennedy Township, Allegheny County, Pennsylvania for Rycon Construction Company and Oxford Development Company. Design build project for a new field office requiring security considerations, a Leadership in Energy & Environmental Design (LEED) structure, designed in 2004 and completed in 2005. Project Manager and lead engineer responsible for site planning and design, erosion & sedimentation (E&S) control design and permitting, and landscaping.
- + Southern Beltway, Section 54-A in Allegheny County, Pennsylvania for Duquesne Light Company. Transmission line relocation project for a 1.3-mile relocation of a single-circuit wood pole 138 kV line and a double-circuit 23 kV line. Project included a 0.2-mile section of underground power cables within Pennsylvania Turnpike Commission highway easement under five proposed bridges for an interchange at the Pittsburgh International Airport, completed in 2003.
- + Little Sisters of the Poor Facilities in Allegheny County, Pennsylvania for Perfido Weiskopf Architects. Site development project for a new building, completed in 2003. Engineer responsible for utility investigations, schematic design, site layout refinement, permitting, preliminary grading, and construction documents for site improvements.
- + KMart Retail Store Site in Pleasant Hills, Pennsylvania for Law Kingdon. Site planning and design project to develop a KMart retail store. Engineer responsible for utility investigation, site and utility design, and construction documents.
- + Sears Store and Auto Center Site at Fort Steuben Mall in Steubenville, Ohio for The Goodman Company. Site planning project for a new Sears retail store and automotive center. Engineer responsible for conceptual and final site design, utilities design, permitting, construction documents, and construction consultation.

Education

B.S. Environmental Science 2003,
Slippery Rock University

Registrations/Certifications

Pennsylvania Certified Wastewater
Systems Operator, Class C, E, 1, 2, 3, 4;
No. 221238, Obtained 2005, Expires 2013

Pennsylvania Certified Water Systems
Operator, Class A, E, 1, 12, 13; No.
221238, Obtained 2006, Expires 2012

Relevant Training/Courses

Client First, GAI Consultants, Inc., 2011
Leaders to Watch, GAI Consultants, Inc.,
2011

Leadership and Management Skills
Training, GAI Consultants, Inc., 2011

High Performance Management Training,
GAI Consultants, Inc., 2009

Mechanical Engineering Courses, Geneva
College

OSHA Permit Required Confined Space
Entry Training

OSHA 40-hour Hazardous Waste
Operations and Emergency Response

FEMA Incident Command System, ICS-
100, ICS-200

MSHA 24-hour New Surface Miner
Training

Professional Employment History

Sci-Tek, Inc., 2007-2008

U.S. Department of Agriculture, Forest
Service, 2001-2006

Professional Summary

Mr. Shimko specializes in water and wastewater treatment process, design, implementation and operation. He has installed, maintained, and operated multiple pump stations, conveyance systems, blower systems, monitoring equipment, and process equipment. He is experienced in environmental permitting including NPDES, Water Quality Management, Waste Management, and Erosion and Sedimentation Control. Mr. Shimko has considerable experience in flow monitoring including sanitary and storm drainage, and streams. He also specializes in water and wastewater sampling and testing.

Professional Experience

Water Treatment

- + Pennsylvania Department of Environmental Protection (PaDEP) Licensed Water Treatment Plant Operator. Responsible for the operation, maintenance, quality control of potable water treatment facilities and distribution systems. Prepared and submitted reports for PaDEP monitoring and approval. Project management of water treatment contracts.
- + Assisted in developing and implementing Surface Water Identification Protocol (SWIP) Monitoring Plans. Installed and constructed equipment necessary to conduct the study, as well as developing and implementing the method of testing and record keeping.
- + Pennsylvania Turnpike Commission (PTC) Rainwater Use System in New Castle, Pennsylvania. Assisted in the design of a non-potable water system to collect and store rainwater for use in PTC maintenance facilities.
- + USDA Forest Service, Allegheny National Forest, Pennsylvania. Served as water treatment operator for 13 potable water systems. Installed, operated, and maintained production wells and springs, treatment equipment (chlorinators, filter units, etc.), monitoring equipment, and storage facilities.

Flow Monitoring and Sampling

- + Provided sanitary sewer flow monitoring services. Performed field investigations to find suitable monitoring sites, installed and maintained monitoring equipment, conduct on-site data quality reviews, and provided data analysis and graphs. Conducted storm flow monitoring on combined sewer overflows. Performed stream flow monitoring and collected flow monitoring and modeling data. Experienced in grab and composite sample collection of wastewater, stream water, storm water and potable water.



- + Assisted with designing and implementing sampling and monitoring plans for combined sewer overflow studies. Team leader for stream and storm sampling activities.

Timber Harvesting

- + Evaluated timber sale stands for appropriate method of harvesting given restrictions from supervising agencies and geographic or topographic situation. Cut and removed timber from sale area using standard timber harvesting practices. Rehabilitated timber sale sites after timber has been removed in accordance to guidelines established by supervising agencies.

Education

B.S. Civil Engineering 2004, West Virginia University Institute of Technology
Drafting and Design 1992, West Virginia Institute of Technology
Math & Physical Education 1986, West Virginia Northern Community College

Registrations/Certifications

Troxler Nuclear Densometer Certified
WVDOH Portland Cement Concrete Inspector
WVDOH Compaction Inspector

Relevant Training/Courses

40-Hour Health and Safety Trained

Professional Employment History

Ultrasonic Specialists, Inc., 1994-1995
Dan Hill Construction Company, 1989-1992
D.E. Leonard & Associates, 1987-1988
WACO, 1986-1987
W&W Fabrication, 1984-1985
Consolidated Coal Company, 1976-1984
ESMER & Associates, 1974-1976

Professional Summary

Mr. Queen specializes in construction monitoring for impoundment, site closure, infrastructure and municipal projects. He provides drafting for site planning, earthwork detailing, and pre-mining and pre-blast surveys. Mr. Queen develops preliminary and final designs for mine reclamation sites and mining permits, and site development, and prepares construction drawings for highway and bridge projects. He compiles engineering data from a variety of sources; processes data using well-defined methods and presents data in prescribed formats.

Professional Experience

Construction Monitoring

- + Monitored construction of 600,000 cubic yard rock buttress for a failed coal slurry impoundment. Work included monitoring of activities, troubleshooting, preparing daily logs and construction administration coordination for the West Virginia Department of Environmental Protection.
- + Monitored construction of municipal storm sewer project. Work included monitoring activities, troubleshooting, preparing daily logs and construction administration coordination for the Town of Gauley Bridge.
- + Monitored construction of approximately 30 miles of waterline. Work included monitoring installation activities, troubleshooting, preparing daily logs and approving pay item quantities for the West Virginia-American Water Company.
- + Construction monitoring for closure of municipal solid waste landfills. Work included monitoring construction activities, preparing daily reports and trouble shooting in Fayette, Kanawha, Mingo, and Braxton County, West Virginia for the West Virginia Division of Environmental Protection, Office of Waste Management. Closure activities included waste regrading, leachate collection and soil caps.
- + Construction monitoring for closure of the municipal solid waste Berkeley County Landfill in Berkeley County, West Virginia. Closure activities included regrading waste, intermediate cover, gas management, leachate collection and 125,000 square yards of HDPE geomembrane. Construction was completed over a two-year construction period.
- + Construction monitoring for closure of the municipal solid waste Mingo County Landfill in Mingo County, West Virginia. Closure activities included re-grading waste, intermediate cover, gas management, leachate collection, and 41,500 square yards of HDPE geomembrane.
- + Construction monitoring for cell expansion of a municipal solid waste and C&D landfill at S&S Landfill in Harrison County, West Virginia.



- Construction included earthwork, leachate detection and collection, clay liner, and geomembrane liners.
- + Construction monitoring for reclamation of a failed coal slurry impoundment. Construction included earthwork, rock buttress, and drainage channels.
- + Construction oversight for a landslide reclamation project of a valley fill in Fayette County, West Virginia. Construction included collecting drainage in rock drains, rock buttress, earthwork, and drainage channels.
- + Monitored construction of approximately 13 miles of waterline. Work included monitoring installation activities, troubleshooting, preparing daily logs and approval of pay item quantities for the Shortline Public Service District.
- + Kanawha Western Landfill. Construction monitoring for closure of municipal solid waste landfill. Closure consisted of West Virginia Subtitle "D" Closure Cap with leachate collection system. Monitoring included construction activities, preparation of daily reports, troubleshooting, approval of pay item quantities, and construction administration coordination for the West Virginia Division of Environmental Protection, Office of Waste Management.
- + Fayette County Landfill. Construction monitoring for closure of municipal solid waste landfill. Closure consisted of West Virginia Subtitle "D" Closure Cap with leachate collection system. Monitoring included construction activities, preparation of daily activity logs, troubleshooting, approval of pay item quantities, and construction administration coordination for the West Virginia Division of Environmental Protection, Office of Waste Management.

Civil Engineering

- + Assisted with preparation of air emission calculations as required by the Form R – Toxic Chemical Release Inventory Reporting Form (Year 2003) for AC&S, Inc.
- + Assisted with preparation of hydraulic/hydrology calculations, supporting documentation for engineering construction cost estimate, USACOE 404 applications, and grading of regarding of exposed refuse spoil piles for three projects in southern West Virginia for the West Virginia Department of Environmental Protection, Office of Abandoned Mine Lands.
- + Assisted with preparation of National Pollutant Discharge Elimination System (NPDES) Stormwater construction permits and erosion and sediment control plans for three natural gas transmission pipeline projects in eastern Pennsylvania and southern West Virginia for Columbia Gas Transmission Corporation.
- + Drafted preliminary roadway alignment, drainage structures, right-of-way, cut/fill lines to WVDOH standards for the South Side Bridge Ramp Replacement Project for the City of Charleston.
- + Preliminary and final site planning design of Abandoned Mine Lands (AML) sites for the West Virginia Division of Environmental Protection. Surveying, design drafting, site grading, haul roads, and drainage design.
- + Prepared construction documents for the Mill Creek Regional Water Supply Extension Project, Logan County, West Virginia. Project included design of water treatment plant, two water tanks, three booster stations, two master meter assemblies, and approximately 34 miles of waterline; and preparation of drawings. Drawings included 51 plan drawings using aerial photography as base mapping.
- + Prepared construction documents for the Cow Creek - Sarah Ann Water Supply Extension project in Logan County, West Virginia. Project included design of three water tanks, three booster stations, one master meter assembly, and approximately 19 miles of waterline; and preparation of drawings. Drawings included 38 plan drawings using aerial photography as base mapping.
- + Prepared construction documents of a 10-mile waterline in the Olive/Marshville/Catfish Hollow communities in Harrison County, West Virginia including surveying, subsurface investigation, and preparation of drawings, technical specifications, permit applications, construction quantities, and a cost estimate.
- + Phase II Water Feasibility Study, Washington Heights to Jeffrey Study Area, Boone County, West Virginia. Work included interviewing local residents and government officials; collecting surface and private water supply samples; and preparation of drawings representing existing and proposed remedial measures. Work was completed on a "fast track" schedule.

Education

A.S. Civil Engineering/Survey Technology
1986, The Pennsylvania State University

Registrations/Certifications

Professional Land Surveyor, PA 1999, SU-
051253-E

Relevant Training/Courses

Leaders to Watch Program, GAI
Consultants, Inc., May 2009

Advanced Project Management Training
Program, GAI Consultants, Inc., 2009

ALTA/ACSM Land Title Survey Seminar
Trimble Land Survey and Mapping GPS
and RTK Seminar

Affiliations

Pennsylvania Society of Land Surveyors,
Member

Professional Employment History

Monaloh Basin Engineers, 1999-2001

Senate Engineering Company, 1996-1999

ES Technologies, 1993-1996

GAI Consultants Inc., 1990-1993

Kiddie Consultants (KCI), 1987-1990

Gateway Engineers, 1985-1986

Professional Summary

Mr. Rudzinski's professional experience is comprised of ALTA/ACSM Land Title Surveys, subdivision plans, property, existing conditions for site development, rails to trails projects, engineering surveys for highways related to design, right of way, bridges and street rehabilitation, industrial surveys for coal and hydro-electric plants, and multiple monitoring surveys. Mr. Rudzinski has over 25 years of professional surveying experience. He manages the survey department, overseeing office and field staff personnel.

Professional Experience

Survey Manager / Survey Project Manager

- + Independence Excavating, Inc., Indiana Township, Pennsylvania. Survey for 20 acres of commercial property. The survey included utility investigation, courthouse research, field investigation, topography survey and an ALTA/ACSM Land Title Survey for a real-estate transaction.
- + Castalia Trout Club, Castalia, Erie County, Ohio. Survey for a new fish hatchery for a private club that included field surveying the existing site features, stream, natural spring including the water feed from the "Blue Hole".
- + Port Authority of Allegheny County, Pittsburgh, Pennsylvania. Monitoring survey of a ramp for horizontal and vertical displacement. Monitoring points were established to track movement of the road surface and jersey barriers. The survey is performed monthly which entails traversing, level loops, and the surveying of 53 monitoring points.
- + UPMC East Hospital Complex in Allegheny County, Pennsylvania for BBH Design of PA. Civil Site Engineering, Design & Survey Services. GAI participated in the design of a new hospital on approximately 19 acres of land in Monroeville, Pennsylvania. The site is located at the southwest corner of State Routes 48 and 22, the second busiest intersection in the state. Survey Manager for the project.
- + Settlers Ridge in Robinson Township, Allegheny County, Pennsylvania for Faison Enterprises, Inc. Site development project for a shopping complex on a 79-acre parcel of strip-mined property. The project included surveys for property, aerial mapping, multiple ALTA/ACSM Land Title Surveys, subdivision plan, construction layout, record surveys, and right of way plats. Survey project manager responsible for the all the survey aspects of the overall project.
- + Wind Energy Project in Bradford and Tioga Counties, Pennsylvania for the AES Corporation. GAI was contracted to obtain LiDAR mapping, perform property and ALTA/ACSM Land Title Surveys, and establish a



GPS network and supplemental topography surveys. The overall project site consisted of approximately 12,000 acres involving over 140 property tracts.

- + Station Square Retail/Entertainment Complex in Allegheny County, Pittsburgh, Pennsylvania for Forest City Commercial Development. Retail development project for a gaming and entertainment facility at the Station Square shopping and entertainment complex located in the City of Pittsburgh. Survey project manager responsible for base mapping, utility investigation and ALTA/ACSM Land Title Survey.
- + Program Management Services for Redevelopment Authority of Allegheny County Projects. Jamison Lane Alternatives Study, 8th Avenue Reconstruction Project and Carrie Furnace Development. Survey Manager for the projects.
- + Allegheny Power Spill Prevention, Control, and Countermeasure (SPCC) Retrofit in Pennsylvania, West Virginia and Maryland for Allegheny Energy, Inc. GAI was contracted for a Design/Build Project to provide all engineering, design, material procurement, construction, and project management related to design and installation of secondary containment systems within approximately 60 high voltage substations. The project included surveying for topography, aerial mapping and property data of substation sites. Survey Project Manager for the project.
- + Waterline Replacement Project in Pennsylvania for the Municipal Authority of Westmoreland County. Engineering services for 13,000'-long 48"-diameter water line. Survey Project Manager for the project.
- + Pennsylvania Department of Transportation, District 11-0 Engineering and Environmental Services Agreement. A wide range of environmental studies and engineering efforts for the following anticipated projects: bridge project reviews, small bridge replacement/rehabilitation projects, roadway projects, and environmental studies. Survey Project Manager for the project.
- + Walgreens Store in the City of Pittsburgh, Pennsylvania for The Paradise Development Group. Survey Project Manager responsible for the topographic and boundary survey, subdivision, ALTA/ACSM Land Title Surveys, utility investigation, and existing site conditions.
- + Property survey for the Western Pennsylvania Conservancy. Performed a property survey on multiple contiguous tracts that totaled 1286 acres. The survey included record research, property investigation, aerial mapping and setting property monuments.
- + Utility Easement Survey on a 16-mile discharge pipeline. The survey required locations of the pipeline through rural terrain, a utility easement was established based on the pipeline location which included a description and drawing for recording.
- + Monitoring Movement Survey for Allegheny Energy Service Corporation. Performed quarterly surveys to monitor movement on the Lake Lynn Power Station for the Alkali-Aggregate Project. The initial survey included setting permanent monuments along the top of the dam and establishing a set of coordinate values for each. The quarterly surveys performed established a set of coordinate values which were compared to the initial set of coordinate values. A table was generated identifying any change in Delta X and Delta Y values for each survey.
- + Record Surveys and layout for Karrena International, LLC at the Keystone Power Plant located in Shelocta, Pennsylvania for a 520-foot chimney. The survey task included performing record and layout surveys on the ground surface, throughout the inside stack and atop the stack for breaching longitudinal centerlines, duct lines and openings, liner verification inside the stack, stack foundation elevations and center, and for the interior ladder system. Performed layout on the top of the stack using GPS for alignment of proposed structures.
- + Interstate 79 Industrial Park Survey in Alleppo Township, Allegheny County, Pennsylvania for The Rubinoff Company. ALTA/ACSM Land Title Survey for an industrial park development. Project Manager responsible for the scheduling, overseeing the project, reviewing the title report and preparation of drawing.
- + Pressley Ridge Property Survey in Fayette County, Pennsylvania for the Western Pennsylvania Conservancy. Project Manager responsible for the project.



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
COR61489

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
GAI Consultants Inc.
500 Summers Street E
3rd Floor
Charleston, WV 25301

SHIP TO

DENMAR CORRECTIONAL CENTER

HC-64, BOX 125
DENMAR ROAD
HILLSBORO, WV
24946

DATE PRINTED 12/07/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **01/25/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, WV DIVISION OF CORRECTIONS, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES TO REPLACE TWO (2) EXISTING WATER STORAGE TANKS AT THE DENMAR CORRECTIONAL CENTER IN POCAHONTAS COUNTY, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.</p> <p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/10/2012 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Charles Straly* TELEPHONE: *304-926-8100* DATE: *Feb 7, 2012*

TITLE: *Engineering Manager* FEIN: *75-1260999* ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **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>.
15. **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, and the West Virginia Insurance Commission. 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.
16. **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 material, 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.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
COR61489

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DENMAR CORRECTIONAL CENTER
HC-64, BOX 125
DENMAR ROAD
HILLSBORO, WV
24946

DATE PRINTED 12/07/2011	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **01/25/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER:-----TL/32-----</p> <p>RFQ. NO.:-----COR61489-----</p> <p>BID OPENING DATE:-----01/25/2012-----</p> <p>BID OPENING TIME:-----1:30 PM-----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Charles Straly</i>	TELEPHONE 304-926-8100	DATE Feb 7, 2012
TITLE <i>Engineering Manager</i>	FEIN 25-1260999	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ INSERT NAME AND ADDRESS IN SPACE ABOVE LABEL 'VENDOR'



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
COR61489

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE 304-558-2544

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

DENMAR CORRECTIONAL CENTER
 HC-64, BOX 125
 DENMAR ROAD
 HILLSBORO, WV
 24946

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
12/07/2011				

BID OPENING DATE: **01/25/2012** BID OPENING TIME: **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
TO CONTACT YOU REGARDING YOUR BID: <div style="text-align: center;"><i>304-926-8180</i></div> <hr/> CONTACT PERSON (PLEASE PRINT CLEARLY): <div style="text-align: center;"><i>Charles Straley</i></div> <hr/> ***** THIS IS THE END OF RFQ COR61489 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: <i>Charles Straley</i>	TELEPHONE: <i>304-926-8100</i>	DATE: <i>Feb 7, 2012</i>
TITLE: <i>Engineering Manager</i>	FEIN: <i>25-1260999</i>	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ INSERT NAME AND ADDRESS IN SPACE ABOVE LABELLED 'VENDOR'

Revised July 28, 2009

EXPRESSION OF INTEREST

Denmar Correctional Center, Replace Two (2) Water Storage Tanks, COR61489

Part 1 GENERAL INFORMATION**1.1 Purpose:**

The Acquisition and Contract Administration Section of the Purchasing Division "State" is soliciting Expression(s) of Interest (EOI) for Division of Corrections, "Agency", from qualified firms to provide architectural/engineering services as defined in section two (2) and three (3).

1.2 Project:

The Division of Corrections (DOC) is reacting to a need to replace two (2) existing water storage tanks at Denmar Correctional Center located in Pocahontas County. For this reason, the DOC will require professional design services for this project.

1.3 Format: N/A**1.4 Inquiries:**

Additional information inquiries regarding this EOI must be submitted in writing to the State Buyer with the exception of questions regarding proposal submission, which may be oral. The deadline for written inquiries is identified in the Schedule of Events, Section 1.16. All inquiries of specification clarification must be addressed to:

Tara Lyle
Purchasing Division
P.O. Box 50130
Charleston, WV 25305-0130
Fax: (304) 558-4115

The firm, or anyone on the firm's behalf, is not permitted to make any contact whatsoever with any member of the evaluation committee. Violation may result in rejection of the EOI. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

1.5 Vendor Registration:

Firms participating in this process should complete and file a *Vendor Registration and Disclosure Statement* (Form WV-1) and remit the registration fee. Firm is not required to be a registered vendor in order to submit an EOI, but the **successful firm must** register and pay the fee prior to the issuance of an actual contract.

1.6 Oral Statements and Commitments:

Firm must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any State personnel are

not binding. Only the information issued in writing and added to the Expression of Interest specifications file by an official written addendum is binding.

1.7 Economy of Preparation:

EOI's should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements of the EOI. Emphasis should be placed on completeness and clarity of content.

1.8 Labeling of the Sections: The response sections should be labeled for ease of evaluation.

1.9 Submission:

1.9.1 State law requires that the original expression shall be submitted to the Purchasing Division. All copies to the Purchasing Division must be submitted **prior** to the date and time stipulated as the opening date. All expressions will be date and time stamped on the Purchasing Division official time clock to verify time and date of receipt.

1.9.2 Firms mailing expressions should allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division **CANNOT** waive or excuse late receipt of an expression which is delayed and late for any reason according West Virginia State Code §5A-3-11. Any EOI received after the bid opening time and date will be immediately disqualified in accordance with State law and the Legislative Rule 148-CSR-1.

Submit:

One original plus (8) convenience copies to:

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

The outside of the envelope or package(s) should be clearly marked:

Buyer:	Tara Lyle/File 32
Req No:	COR61489
Opening Date:	01/25/2012
Opening Time:	1:30 pm

1.10 Rejection of Expressions:

The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all expressions and to reserve the right to withdraw this Expression of Interest at any time and for any reason. Submission of, or receipt by the State of Expressions confers no rights upon the firm nor obligates the State in any manner.

1.11 Incurring Costs:

The State and any of its employees or officers shall not be held liable for any expenses incurred by any firm responding to this EOI for expenses to prepare, deliver, or to attend the short-list interviews.

1.12 Addenda:

If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential firms of record.

1.13 Independent Price Determination:

A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to prices with any competitor.

1.14 Price Quotations: No "price" or "fee" quotation is requested or permitted in the response.**1.15 Public Record:****1.15.1 Submissions are Public Record.**

All documents submitted to the State Purchasing Division related to purchase orders/contracts are considered public records. All EOI's submitted by firms shall become public information and are available for inspection during normal official business hours in the Purchasing Division Records and Distribution center after the expressions have been opened.

1.15.2 Written Release of Information.

All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any document. Currently the fees are \$0.50/page, or a minimum of \$10.00 per request, whichever is greater.

1.15.3 Risk of Disclosure.

The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a firm are the only exemption to public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The submission of any information to the State by a vendor puts the risk of disclosure on the vendor. The State does not guarantee non-disclosure of any information to the public.

1.16 Schedule of Events:

Release of the EOI	12/09/2011
Firm's Written Questions Submission Deadline	01/10/2012
Addendum Issued	TBD
Expressions of Interest Opening Date	01/25/2012
Estimated Date for Interviews	TBD

1.17 Mandatory Prebid Conference: N/A

1.18 Bond Requirements: N/A

1.19 Purchasing Affidavit:

West Virginia State Code §5A-3-10a (3) (d) requires that all firms submit an Affidavit regarding any debt owed to the State and licensing and confidentiality certifications. The Affidavit **must** be signed and submitted prior to award. It is preferred that the Affidavit be submitted with the EOI.

PART 2 OPERATING ENVIRONMENT

2.1 Location: Agency is located at 1409 Greenbrier Street, Charleston, WV 25311. Denmar Correctional Center is located at HC 64 Box 125 Hillsboro, WV in Pocahontas County.

2.2 Background: The West Virginia Division of Corrections is seeking the services of a qualified professional design firm to design a system to replace the existing two (2) water storage tanks. The summary of the existing water storage tanks and system is as follows:

It is believed the first water storage tank was constructed in 1953. The estimated size of the tank is thirty feet (30') in diameter by twenty-eight and a half feet (28.5') tall and will hold an estimated 149,407 gallons. The estimated weight of the first tank is around twelve (12) to thirteen (13) tons. It is believed the second water tank was constructed in 1972. The estimated size of the tank is thirty-four feet (34') in diameter by twenty-four feet (24') tall and will hold an estimated 126,895 gallons. The estimated weight of the second tank is around twelve (12) to thirteen (13) tons. It is unknown when the two (2) foundations were constructed. At this time, we can only assume it was when the water tanks were installed. The elevation of the foundation to the tank that was built in 1953 is about four feet (4') lower than the tank that was built in 1972. The elevation of the top of both tanks is about the same.

The water is pumped from the Greenbrier River and goes through a treatment plant. The water is then pumped up to the two (2) storage tanks. The water then goes to the Facility as needed. The existing pipe is six inch (6") ductile iron with cement inside. There is one (1) pipe from the treatment plant that feeds water to both tanks. The water storage tanks are filled up by gravity and area of least resistance. There is one (1) pipe from the two water storage tanks that

goes to the Facility. The water drains out of the same pipe from the tanks as it enters. The piping system is a cross connected system. Each water storage tank has one (1) drain pipe that extends about fifty feet (50') to sixty feet (60') from the water storage tanks. The DOC is also interested in installing the pipes in the best designed and constructed method.

PART 3 PROCUREMENT SPECIFICATIONS

- 3.1 **General Requirements:** The chosen firm will proceed with Design and Engineering services for the replacement of the two (2) existing water storage tanks located at Denmar Correctional Center.
- 3.2 **Project Description:**
- 3.2.1 **Design and Engineering Services:** Provide a complete, 100%, package that includes all required Drawings and Specifications ready for construction bidding by the West Virginia Purchasing Division. During the design phase, the following must be considered:
- 3.2.1.1 If the new water storage tanks will be installed in the same place as the existing, the Facility cannot do without both storage tanks at the same time. The first tank removed must be re-constructed and in operation before the second tank is to be removed.
- 3.2.1.2 Existing concrete foundations must be removed and replaced with new. Because of that, the area will need to be tested by a Geotech Engineer.
- 3.2.1.3 At edge of each new foundation, a pre-cast concrete box where the shutoff valves for the water line inflow/outflow pipe and drain pipe are easily accessible.
- 3.2.1.4 All existing piping from the water treatment plant to check valve is to remain. New check valve and gate valve to be replaced and new six inch (6") ductile iron pipe to the new tanks. All existing pipe from the Facility to the thirty feet (30') from the X crossing to remain. New six inch (6") ductile iron pipe to be installed to the X crossing. Existing drain lines to be removed and new six inch (6") ductile iron pipe to be installed.
- 3.2.1.5 The two (2) existing water storage tanks will need to be replaced with two (2) new, 151,000 gallon or close equivalent amount, water storage tanks to be installed. Both water storage tanks to be the same size. The DOC is interested in the best value for the least about of maintenance cost for the 30 to 40 years from the new tanks being installed.

The contract for the design and engineering services with the qualified professional design firm will end once the design, engineering, administrative and contract oversight services has been completed through the West Virginia Purchasing Division.

3.3 **Special Terms and Conditions:**

3.3.1 *Bid and Performance Bonds:* N/A

3.3.2 *Insurance Requirements:* \$1,000,000 General Liability per Occurrence
 \$2,000,000 Aggregate
 \$1,000,000 Automobile Liability
 \$1,000,000 Professional Liability
 Workers Compensation Certificate upon award
 West Virginia Statutory requirements including
 West Virginia Code §23-4-2 (Mandolidis)

3.4 **General Terms and Conditions:**

By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

3.4.1 *Conflict of Interest:*

Firm affirms that it, its officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect which would conflict or compromise in any manner or degree with the performance of its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and employees concerning such interests. Any such interests discovered shall be promptly presented in detail to the Agency.

3.4.2 *Prohibition Against Gratuities:*

Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract. For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

3.4.3 *Certifications Related to Lobbying:*

Firm certifies that no federal appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any Federal entity, a Member of Congress,

an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment or modification of any Federal contract, grant, loan, or cooperative agreement.

If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

3.4.4 *Vendor Relationship:*

The relationship of the firm to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this contract. The firm as an independent contractor is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

The Firm shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, forms and returns pertinent to all of the foregoing.

The Firm shall hold harmless the State, and shall provide the State and Agency with a defense against all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes and employer income tax returns.

The firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership, association or entity without expressed written consent of the Agency.

3.4.5 *Indemnification:*

The firm agrees to indemnify, defend and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials or supplies in connection with the performance of the contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the firm, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use or disposition of any data used under the contract in a manner not authorized by the contract, or by Federal or State statutes or regulations; (3) Any failure of the firm, its officers, employees or subcontractors to observe State and Federal laws, including but not limited to labor and wage laws.

3.4.6 *Contract Provisions:*

After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

3.4.7 *Governing Law:*

This contract shall be governed by the laws of the State of West Virginia. The firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable laws (Federal, State or Local Government) regulations.

3.4.8 *Compliance with Laws and Regulations:*

The firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

3.4.9 *Subcontracts/Joint Ventures:*

The State will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State, enter into written subcontracts for performance of work under this contract; however, the firm is totally responsible for payment of all subcontractors.

3.4.10 *Term of Contract:*

This contract will be effective (date set upon award) and shall extend until the scope of work

is complete or for one (1) consecutive twelve (12) month period. The contract may be renewed upon mutual consent for two (2) consecutive years one (1) year periods or until such reasonable time as may be necessary to obtain a new contract or to complete work.

3.4.11 Non-Appropriation of Funds:

If the Agency is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Agency may terminate the contract at the end of the affected current fiscal period without further charge or penalty. The Agency shall give the firm written notice of such non-allocation of funds as soon as possible after the Agency receives notice. No penalty shall accrue to the Agency in the event this provision is exercised.

3.4.12 Contract Termination:

The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice of performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions contained in the notice, within the time contained in the notice, the State shall issue the firm an order to cease and desist all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

3.4.13 Changes:

If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, the Agency and the firm. An approved contract change order is defined as one approved by the Purchasing Division and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGE SHALL BE IMPLEMENTED BY THE FIRM UNTIL THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

3.4.14 Invoices, Progress Payments, & Retainage:

The Firm shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the contract. Progress payments may be made at the option of the Agency based on percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the work plan at which compensation would be appropriate. Progress reports must be submitted to Agency

with the invoice detailing progress completed or any deliverables identified. Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

3.4.15 *Liquidated Damages:*

According to West Virginia State Code §5A-3-4(8), firm agrees that liquidated damages shall be imposed at the rate of \$500 per workday, for failure to provide deliverables at the agreed upon date identified in the final contract. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue to any other additional remedy to which the State or Agency may have legal cause for action including further damages against the firm.

3.4.16 *Record Retention (Access & Confidentiality):*

Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by the firm. The firm shall maintain such records a minimum of five (5) years and make available all records to Agency personnel at firm's location during normal business hours upon written request by Agency within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by Agency to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and Agency against any and all claims brought by any party attributed to actions of breach of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.

PART 4 EVALUATION & AWARD

4.1 Evaluation and Award Process:

- a) Expressions of Interest will be evaluated and awarded in accordance with §5G-1-3 **"Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more."**

"In the procurement of architectural and engineering services for projects estimated to cost two hundred and fifty thousand dollars or more the director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit an expression of interest, which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published

as a Class II legal advertisement in compliance with the provisions of article three [§59-3-1et seq.] A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall then rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached.”

- b) The evaluation criteria and assigned point values are as follows:
(Instructions: Evaluation criteria shall be based on a total of 100 points, inclusive of the oral interview. Instructions to firms addressing oral interview length or time requirements and items to be addressed should be included.)

(State criteria here – suggested inclusions: qualifications, experience and oral interview/concept)

4.2 **Evaluation Criteria**

In order to assure consistency in the presentation and the evaluation process, vendors are requested to format and label the Expression of Interest in the following order of topics.

4.2.1 **Experience:**20 Points

Firm should provide the company’s statement of qualifications for the last ten years and the general area of architectural and engineering expertise. Firm should provide material to illustrate their proficiency in construction design.

4.2.2 **Staff and Resources:**40 Points

Firm should provide no more than a two (2) pages resume for each employee who would be providing their services. Describe the firm’s resources available for assuring accuracy of drawings and compatibility of materials.

4.2.3 **Construction Management:**20 Points

Firm should provide or demonstrate construction management/performance data and identify the tasks and scope of work performed for the property owner. Firm should demonstrate ability to establish and/or manage project time lines to assure compliance with the original specifications without additional changes to the project design.

4.2.4 **Oral Interview:**20 Points

Based on presentation and proposed Plan of Action.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 owned is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, Limited Liability Company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

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.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: GAI Consultants, Inc.

Authorized Signature: Charles Stanley Date: Feb 7, 2012

State of West Virginia

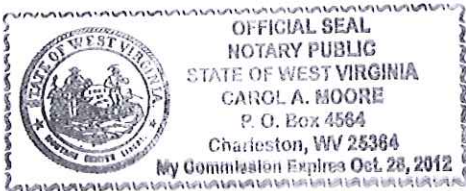
County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 7 day of February, 2012.

My Commission expires October 28, 2012.

AFFIX SEAL HERE

NOTARY PUBLIC Carol A Moore





State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
COR61489

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DENMAR CORRECTIONAL CENTER
 HC-64, BOX 125
 DENMAR ROAD
 HILLSBORO, WV
 24946

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/19/2012				

BID OPENING DATE: 02/07/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. QUESTIONS AND ANSWERS ARE ATTACHED.						
2. THE BID OPENING HAS BEEN MOVED FROM 01/25/2012 TO 02/07/2012.						
3. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
END OF ADDENDUM NO. 1						
0001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ COR61489 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Charles Straley</i>	TELEPHONE 304-926-8100	DATE Feb 7, 2012
TITLE Engineering Manager	FEIN 25-1260999	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ. INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **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>.
 15. **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, and the West Virginia Insurance Commission. 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.
 16. **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 material, 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.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

COR61489
Addendum No. 1

Denmar Correctional Center

Questions:

Q1: Will glass-lined bolted steel tanks be allowed for consideration on this project?

A1: Yes.

Q2: What is the approximate linear footage of 6" ductile iron pipe that is to be replaced to the new water tanks?

A2: See attached drawing.

Q3: What is the time-frame for having the design and construction completed for the tanks?

A3: As soon as possible.

Q4: If available I would kindly request for a plan holders or a pre-approved list for the above referenced project.

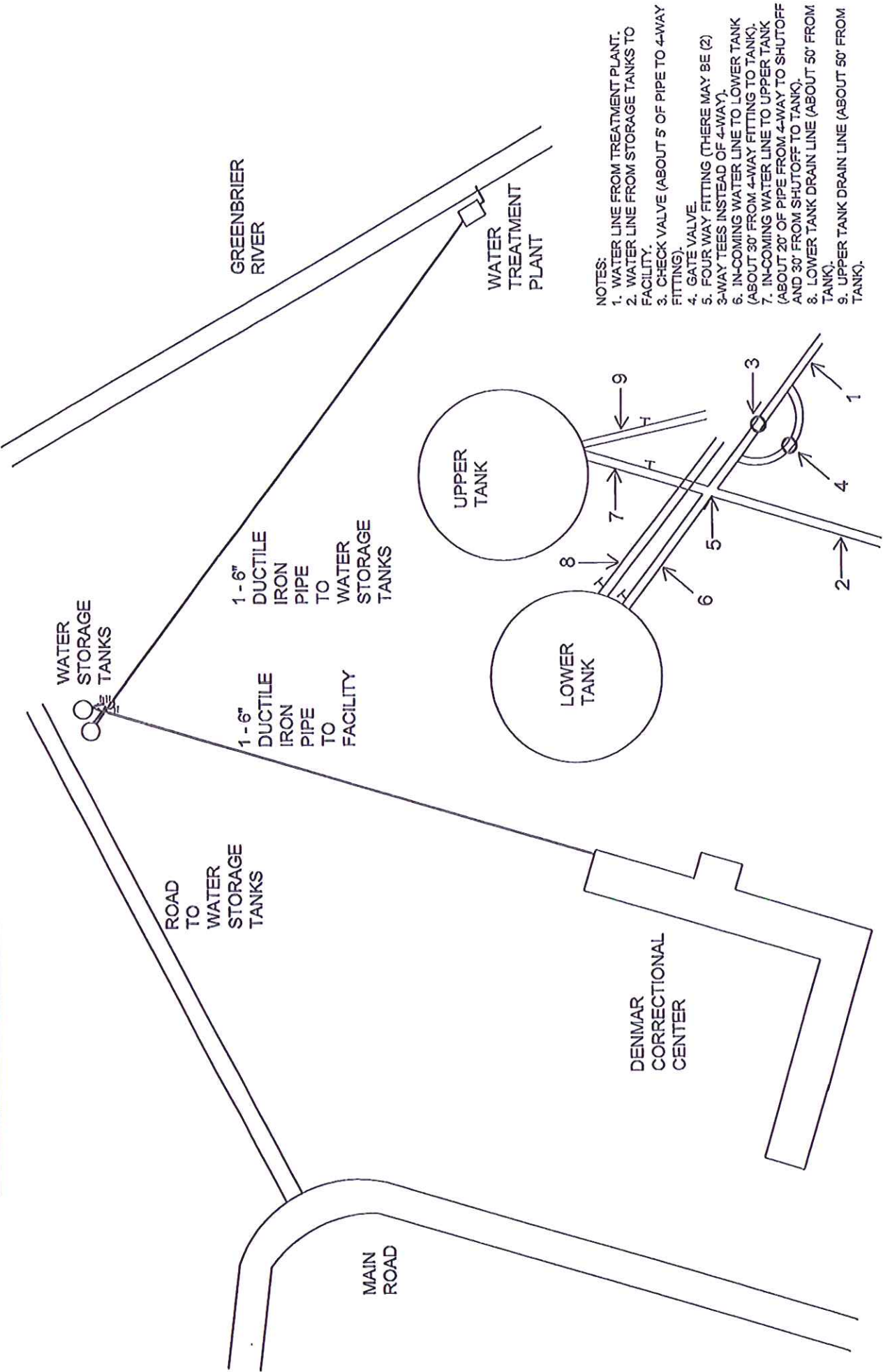
A4: This is in Expression of Interest. This type of procurement is soliciting architectural and engineering services, including those professional services of an architectural or engineering nature. The only documentation available is the original solicitation published in the WV Purchasing Bulletin and this addendum. We do not have a pre-approved list or any plan holders at this time.

Clarifications:

C1: The bid opening has moved from 01/25/2012 to 02/07/2012. Bid opening time remains at 1:30 pm.

C2: No additional questions will be accepted.

DENMAR CORRECTIONAL CENTER - REPLACEMENT OF TWO (2) WATER STORAGE TANKS



- NOTES:**
1. WATER LINE FROM TREATMENT PLANT.
 2. WATER LINE FROM STORAGE TANKS TO FACILITY.
 3. CHECK VALVE (ABOUT 5' OF PIPE TO 4-WAY FITTING).
 4. GATE VALVE.
 5. FOUR WAY FITTING (THERE MAY BE (2) 3-WAY TEES INSTEAD OF 4-WAY).
 6. IN-COMING WATER LINE TO LOWER TANK (ABOUT 30' FROM 4-WAY FITTING TO TANK).
 7. IN-COMING WATER LINE TO UPPER TANK (ABOUT 20' OF PIPE FROM 4-WAY TO SHUTOFF AND 30' FROM SHUTOFF TO TANK).
 8. LOWER TANK DRAIN LINE (ABOUT 50' FROM TANK).
 9. UPPER TANK DRAIN LINE (ABOUT 50' FROM TANK).

EXHIBIT 10

REQUISITION NO.:

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED
ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY
PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1 CFS

NO. 2

NO. 3

NO. 4

NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE
ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR
MUST CLEARLY UNDERSTAND THAT ANY VERBAL
REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY
ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES
AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE
INFORMATION ISSUED IN WRITING AND ADDED TO THE
SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

Charles Staley
SIGNATURE

GAF Consultants, Inc.
COMPANY

Feb 7, 2012
DATE