

EXPRESSION OF INTEREST A/E SERVICES

# WEST VIRGINIA DIVISION OF NATURAL RESOURCES CANAAN VALLEY RESORT WASTEWATER IMPROVEMENTS



THE EXPERIENCE *you want,*  
THE APPROACH *you need.*

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February 19, 2019

Mr. Guy Nisbet  
State of West Virginia  
Dept. of Administration, Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25306

Re: Solicitation #: CEOI 0310 DNR1900000001  
A&E Services for Canaan Valley Resort Waste  
Water Improvements

Dear Mr. Nisbet:


**Stiffler McGraw (SM)** appreciates this opportunity to be considered for selection to provide engineering services for the West Virginia Division of Natural Resources (WV DNR) Canaan Valley Resort Wastewater Improvements. The primary focus of our package is to demonstrate to you that our firm is highly qualified and capable of performing the professional engineering services requested per your advertisement, as we have done on many wastewater projects for our clients.

**Stiffler McGraw** is a full-service consulting firm offering complete engineering, surveying and architecture services. Our firm has been dedicated to providing quality, professional service since 1989 with more than 70% of our workload being devoted to wastewater treatment/conveyance facilities and potable water systems. These involve the planning, evaluation, design and construction management of new systems, as well as detailed inspection, monitoring, analysis and evaluation of older existing systems to be replaced or modified.

Due to our success over the years, we are at a point where we are looking to expand our services into new geographic territories within a relatively close proximity to our Hollidaysburg, PA corporate office. Historically, we have consistently provided engineering services to numerous clients in the Northern Tier of Pennsylvania, some of which have been over 160 miles from our corporate office. If selected by the WV DNR, we will exceed expectations to prove our dedication to new clients in your area. In fact, we promise to work harder than ever to build a relationship with you to ensure that you will be anxious to share with your neighbors what an asset that **Stiffler McGraw** was to your project.

Thank you for the opportunity to submit our qualifications. Based on our past experience and record of performance, we believe that we are a perfect match to support the needs of the West Virginia Division of Natural Resources. Should you care to discuss any aspect of this submission in further detail, please contact me at (814) 696-6280 or [jclabaugh@stiffler-mcgraw.com](mailto:jclabaugh@stiffler-mcgraw.com).

Sincerely,

  
John C. Clabaugh, P.E.  
Sr. Project Manager

**Letter of Interest**

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**Stiffler McGraw (SM)** is a full-service consulting firm offering complete civil engineering, surveying and architecture services. Our firm has been dedicated to providing quality, professional service since 1989. We specialize in municipal projects; designing innovative concepts for water, wastewater, storm water, storm sewer, roadways, bridges, buildings and any other type of infrastructure project. In addition, we offer planning, surveying, environmental, GIS, community planning, funding and construction management services. Our corporate headquarters is located in Hollidaysburg, PA. Branch offices are located in Towanda, Indiana and Titusville, PA.

Our current staff of 74 includes civil, electrical, mechanical, structural and transportation engineers; surveyors; architects; landscape architects; construction inspectors; technicians; environmental scientists; GIS specialists; grantsmen and CAD operators. This includes 4 licensed wastewater and 2 licensed water treatment plant operators. We constantly upgrade and expand our firm's capabilities to provide high quality and responsive services to our clients. *We strive to provide a full range of municipal engineering services "in house"*. This allows us to control work flow and maintain accountability for meeting deadlines.

Our approach to water and wastewater treatment design is based upon a team approach. Specifically, the design of these facilities can be quite specialized. Our projects have involved the planning, evaluation, design and construction management of new systems, as well as detailed inspection, monitoring, analysis and evaluation of older existing systems to be replaced or modified. As a result, we have invested in building a cohesive team of professionals dedicated to working within the municipal market sector day in and day out. With the exception of geotechnical testing, every other aspect of designing, permitting, specifying and overseeing the construction of these facilities is completed in house by **Stiffler McGraw**. We specialize in the procedures to keep these facilities and systems running at peak performance. We invite you to compare the in-house capabilities of **Stiffler McGraw** to our competitors and we believe that you will not find a more qualified team.

**SM** currently serves as the "Engineer of Record" for nearly 100 municipalities or authorities throughout the Commonwealth of Pennsylvania. As a result, we have had the privilege of guiding numerous clients through the exact process that currently faces the West Virginia Division of Natural Resources (WV DNR) at their Canaan Valley Resort State Park facility. Each of these projects required a design approach that considered each individual client's economic concerns associated with the replacement of their aging treatment facilities. In each case, we were able to guide the municipal leaders and their operational staff through detailed discussions regarding building material selection, equipment selection, bidding techniques, permitting requirements and funding coordination. We believe that our experience in this area could prove to be invaluable to the WV DNR as you proceed.

*Stiffler McGraw...  
The experience you want.  
The approach you need.*



**Stiffler McGraw (SM)** recognizes the importance of utilizing a strong project management and design team with extensive experience to successfully complete a project. The West Virginia Division of Natural Resources can be assured that it will receive the personal attention that is needed to complete the proposed Canaan Valley Resort State Park Lodge Wastewater Plant and Collection System Improvements project in a professional and business-like manner. **SM** provides an abundance of expertise that will be available to the WV DNR:

- **SM** has provided a wide range of design and construction management services on numerous public and private sector projects. Over the past 29 years, more than 70% of **SM**'s workload has been devoted to wastewater treatment/conveyance facilities and potable water systems. We have spent years building divisions to specifically address the needs of clients just like the WV DNR. Our water and wastewater experience includes projects ranging from small on-lot facilities to treatment facilities with capacities exceeding 5,000,000 gallons per day.

As a result of this specialization, we have built a cohesive design team that works exclusively on municipal water and wastewater systems. We offer a team of 45 staff members in our Municipal Department that includes multiple process designers, civil/site designers, electrical engineers, structural engineers, mechanical engineers and architectural engineers that consistently work together to understand, plan and manage water and wastewater projects. This includes 4 licensed wastewater and 2 licensed water treatment plant operators.

- **SM** has a high ratio of licensed engineers, land surveyors and architects to staff. This is an important factor in assuring the WV DNR that you will receive the expertise needed to complete a successful project. With such a large pool of talented professionals, we are able to ensure project flexibility and efficiency to meet aggressive delivery schedules and work on multiple concurrent assignments. Following is a breakdown of the technical and support staff at **SM**:

8 Administrative	1 GIS Specialist	2 Structural Engineers
1 Architect	1 IT Specialist	6 Surveyors
13 Civil Engineers	1 Landscape Architect	2 Survey Office Technicians
12 Construction Inspectors	1 Mechanical Engineer	3 Transportation Engineers
7 Draftsmen/CAD Operators	7 Project Designers	6 Water/Wastewater Engineers
2 Electrical Engineers	1 Project Manager	

- **SM** has a history of retaining staff; 17 have been with the firm for over 16 years, many of whom have been completing projects together since our inception in 1989. Overall, our staff members have an average of 11 years of employment at **SM**. Not only is this a testament to our culture, but it conveys our ability to work together to complete projects for our clients. In addition, as new employees are brought on to expand on our services and coverage areas, we have the resources to provide experienced mentors to them. You can be assured that you will be working with a cohesive team that has been organized to successfully work together as they have for the past 29 years.
- **SM** has a working relationship with the Pennsylvania Department of Conservation and Natural Resources which we feel would assist us in working with the WV DNR. We are currently providing design, environmental, field survey and inspection services for various bridge and culvert replacement and rehabilitation projects on DCNR managed properties. We were also recently awarded an open-end Surveying contract with DCNR and previously held PA DEP survey contracts. Our repeat contracts with these agencies we feel is a testament to our staff's ability to successfully work with State government agencies.



When preparing a Staffing Plan for any project, **Stiffler McGraw (SM)** recognizes the importance of utilizing a strong project management and design team with extensive experience to successfully complete. Over the past 29 years, we have built a cohesive design team of 45 staff members that works exclusively on municipal wastewater and water systems. This team has a proven ability to complete the planning, design and construction administration of wastewater plant and conveyance systems as identified in the WV DNR Canaan Valley Resort State Park Expression of Interest. We have attached an Organizational Chart to illustrate the depth of personnel we have available. Our Proposed Staffing Plan includes the following key personnel along with their assigned roles for this agreement. Resumes for each are included in *Section 9 – Appendix*.

**John C. Clabaugh, P.E.** (16 yrs.) - Sr. Project Manager for planning, design, bidding and construction and operation of municipal infrastructure projects including water and wastewater treatment plants and conveyance systems. He has served as Project Manager on multiple water and wastewater projects ranging in size from \$10,000 to \$18,000,000. John will serve as the Project Manager and point of contact for the WV DNR, overseeing the project during design, permitting, bidding and construction administration.

**Louis (LJ) Seidel, P.E.** (8 yrs.) - Project Engineer responsible for preliminary design, final design, securing of permits, grant/loan administration and client liaison for municipal projects. His water and wastewater experience includes feasibility studies, preliminary and final design, permitting, construction administration and management on the owner's behalf. LJ will assist John with all aspects of this project from design to construction administration and be the backup contact.

**Brian D. Shura, P.E.** (14 yrs.) - Project Manager/Engineer for infrastructure projects including treatment plant improvements and expansions, line replacements and extensions and drainage improvements. His project responsibilities include preliminary design; final design; PADEP, US Army Corps and NPDES permitting and construction administration. For this project, Brian will provide QA/QC review.

**Todd L. Banks, P.E.** (19 yrs.) - Sr. Project Manager for preliminary and final design and construction administration of infrastructure projects including sanitary sewer and storm sewer projects and treatment systems. Todd will be responsible for design activities for the pipe conveyance system for this project.

**Jeff L. Billotte, P.E.** (21 yrs.) - Electrical Engineer assisting with the design of upgrades for wastewater and water projects; including sludge handling facilities, pumping and metering stations; and industrial and municipal buildings electrical systems. He assists with preliminary and final project design responsibilities, which include equipment selection, specification review/revision, shop drawing review, CAD drawing review, and client liaison.

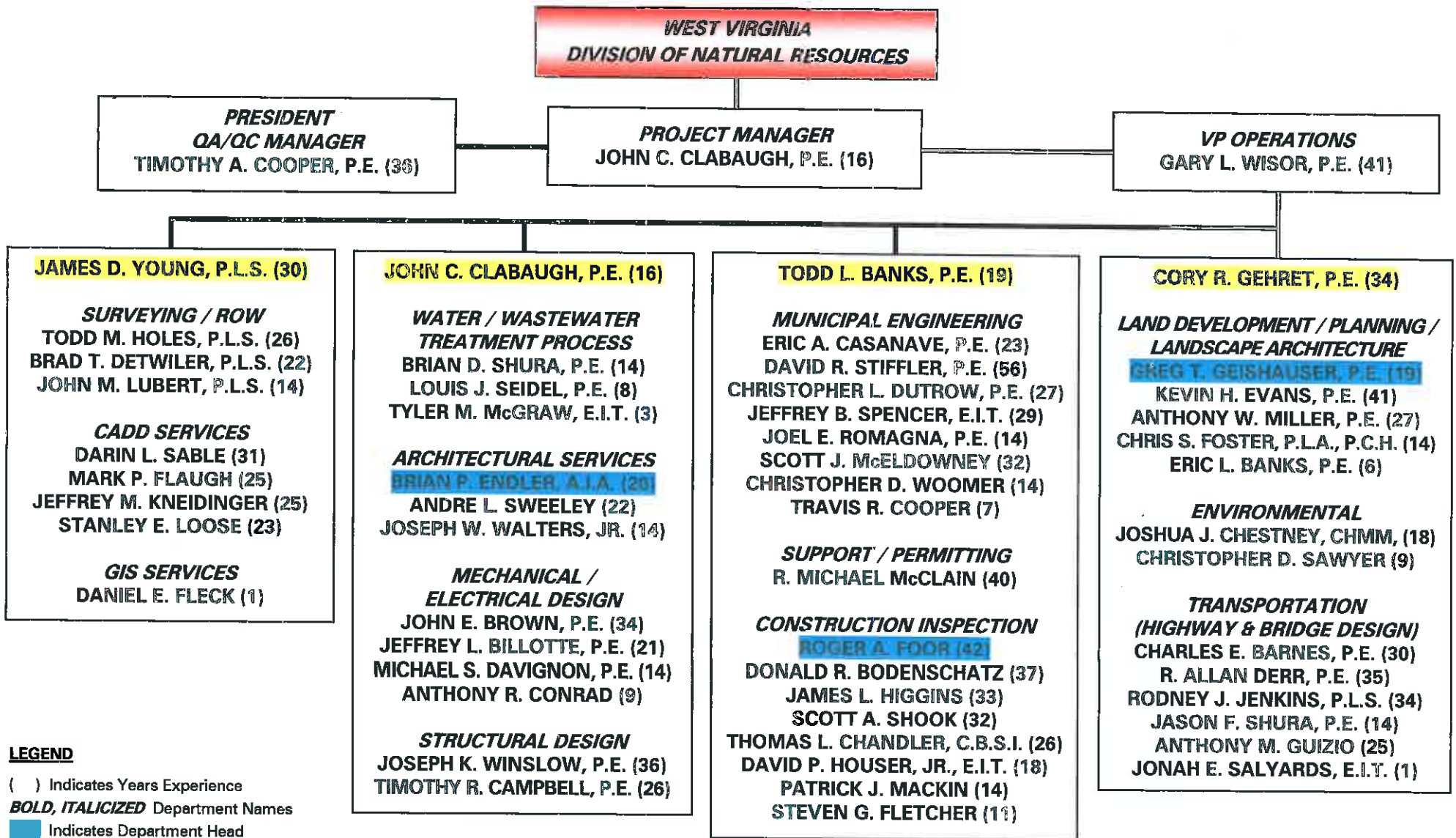
**Scott J. McEldowney** (32 yrs.) - Project Designer for municipal infrastructure projects. Scott assists with the design, layout and permitting of storm sewer, sanitary sewer and water line replacement projects in both commercial and residential areas. He also coordinates with utility companies and serves as a liaison with residents and business owners throughout the project. Scott will assist Todd with the conveyance system design services.

**Roger A. Foor** (42 yrs.) - Construction Manager responsible for overseeing staff of inspectors to ensure contractor's project completion within contract specifications, project records, pay estimate processing and liaison between project engineer and contractor. His training and hands-on experience combined with a unique problem-solving ability has been utilized effectively throughout his career in the field of construction management. Roger will assist with constructability reviews and oversee inspection services.



# PROJECT TEAM ORGANIZATION

Professional Engineering Services



## LEGEND

( ) Indicates Years Experience

**BOLD, ITALICIZED** Department Names

■ Indicates Department Head

■ Indicates Division Head

Note: Not all staff is shown.

## WASTEWATER TREATMENT EXPERIENCE

### **Wastewater Treatment Plant Improvements, Burrell Township Sewer Authority, Indiana County (Mr. Dave Semsick, (724) 248-7272)**

Providing planning, design, environmental consulting and testing, permitting and funding assistance of a new 0.18 MGD wastewater treatment plant including process conversion, tankage, equipment and conversion. The proposed project will convert the existing extended aeration treatment process that utilizes chlorine disinfection to a sequencing batch reactor treatment process that utilizes ultraviolet disinfection. Proposed improvements include the construction of two sequencing batch reactor tanks, two new aerobic sludge digesters, a new headworks/control/UV disinfection building, a new office/lab building, installation of a chemical feed system for enhanced phosphorous removal, the installation of a UV disinfection system, a new emergency generator, aeration system blowers, raw sewage pumps and all necessary control equipment and appurtenances. A solids processing building and equipment will be added to enable more efficient and timely sludge dewatering than is provided by the existing sludge drying beds.

The client opted to move their operational staff to this facility as well. We have designed an administration building for their use. The proposed building incorporates a public lobby, ADA restrooms, a secretarial office, two operator's offices, a public meeting/conference room, a laboratory, staff lunchroom and locker room.

The project has opened bids, came in under budget and is proceeding through the contract award process. During the construction process, we will be providing construction administration, inspection and operational support for the project.

### **Act 537 Plan, Wastewater Treatment Plant and Collection System Upgrades, Gallitzin Borough Sewer & Disposal Authority, Cambria County (Mr. Gary Lingafelt, (814) 886-8990)**

The purpose of this project was to meet effluent limits imposed by the Chesapeake Bay Initiative, while also achieving compliance for the Long Term Combined Sewer Overflow Control Plan as required by the Federal Clean Water Act. Seven (7) Combined Sewer Overflows were eliminated.



The existing wastewater treatment plant had a permitted hydraulic capacity of 0.400 MGD. The existing sanitary and combined sewer system was mostly vitrified clay pipe (VCP) and was experiencing severe inflow and infiltration problems. Most of the combined sewers were very old and in very poor condition. The sewer separation project involved the installation/replacement of approximately 44,000 LF of PVC gravity sanitary sewer main, 26,000 LF of sanitary sewer laterals, manholes and all necessary appurtenances and major upgrades to the wastewater treatment plant. The project also includes all necessary site work, stormwater management and construction of a new access road for the facility.



The treatment plant project involved the construction of three Sequencing Batch Reactor tanks, renovations to the existing control building, the repurposing of the original extended air process tanks into new digester tanks, installation of a chemical feed system for phosphorous removal, the installation of a new UV disinfection system and all necessary equipment and appurtenances necessary to achieve removal requirements.



**Wastewater Treatment Plant Upgrades, North Warren Municipal Authority, Conewango Township, Warren County (Mr. Skip Jacobson, (814) 723-7544)**

The purpose of this project was to renovate aging components of the existing treatment plant to provide a more efficient operation for the North Warren Municipal Authority (NWMA). The scope of the project involved the construction of a headworks building and installation of new screening equipment, two aerobic digesters, the conversion of the existing anaerobic digester to a sludge holding tank, modifications to the existing control/office building and installation of all necessary equipment, piping and appurtenances for operation and control of the new process units and equipment. The existing facility was an activated sludge plant utilizing a trickling filter process with primary clarification and has a permitted hydraulic capacity of 0.750 MGD. The plant's service region is comprised North Warren, Warren Hospital, Pine Grove Township, Conewango Township, and Glade Township, totaling approximately 2,327 EDUs in connections within the NWMA system. Provided planning, design, environmental consulting and testing, permitting, funding assistance, construction administration, inspection and operational support.

**Wastewater Treatment Plant Upgrades, Williamsburg Municipal Authority, Catharine Township, Blair County (Mr. Joe Lansberry, (814) 832-2051)**

Provided design, environmental consulting and testing, construction administration and inspection for a project being undertaken to construct various upgrades to the wastewater treatment plant (0.33 MGD capacity) to improve operations and comply with more stringent effluent nutrient regulations set forth by the Chesapeake Bay Tributary Strategy. The



existing plant, originally constructed in 1939, was being replaced due to ongoing structural and maintenance issues. The project includes construction of three sequencing batch reactors and associated equipment, a headworks building with fine screens, two new aerobic digesters, an ultraviolet disinfection system and construction of a new control/maintenance building. A rotary sludge dewatering press was installed along with a sludge conveyor. The plant controls were updated to include a SCADA system that allows the operator to more closely monitor the plant performance. Also included decommissioning of the existing plant.



Simultaneously, in order to address results from the Act 537 Sewage Facilities Plan for Woodbury Township, public sewer system extensions were designed and permitted to serve properties within the identified planning areas. The system included approximately 32,000 lineal feet of 8" gravity sewer pipe, 144 manholes and other appurtenances. It also included a low pressure sewer (LPS) system to serve the Ganister area.

**Wastewater Treatment Plant Upgrades, Freedom Township Water & Sewer Authority, Freedom Township, Blair County (Mr. Rick Miller, (814) 695-0498)**

Design, environmental consulting and testing, construction administration and inspection for upgrades to the wastewater treatment plant (0.96 MGD capacity) to increase hydraulic capacity, improve operations and comply with more stringent effluent nutrient regulations set forth by the Chesapeake Bay Tributary Strategy. The Authority believed these improvements would facilitate efficient operation for current and future treatment requirements and would help to meet the proposed needs of the community in an environmentally responsible manner. The upgrades include installation of equalization tanks, influent pumping station, fine screening equipment, 4



stage BNR process, UV disinfection system, aerobic digesters, chemical feed systems and solids processing at the existing wastewater treatment plant. Treatment Units #2 and #3 were repurposed as part of the new treatment strategy. Administered PennVEST loan and grant funding.

**Act 537 Plan, Wastewater Treatment Plant Upgrades and I & I Evaluations, Municipal Authority of the Borough of Bedford, Bedford County (Ms. Barbara Diehl, (814) 623-8192)**

Project began as an Act 537 Plan Update, including I & I analysis and flow metering. Recommendations led to the replacement of approximately 40,000 LF of sanitary sewer, inverted siphon river crossing and upgrade to the 1.5 MGD wastewater treatment plant. Provided preliminary and final design, environmental consulting and testing, construction administration and inspection services. Upgrades included a new headworks building with grit collection and fine screens, 4 Sequencing Batch Reactor (SBR) tanks, anaerobic digesters, primary clarifiers, UV disinfection system, biofilter, chemical feed systems and solids processing equipment. A new heating system utilizing methane gas generated by the anaerobic digesters was installed. A rotary sludge dewatering press was installed along with a sludge conveyor. A bio-filter was constructed to neutralize odorous gases through the various buildings and processes. The plant controls were updated to include a SCADA system that allows the operator to more closely monitor the plant performance. Improvements resulted in a reduction in flows at the treatment plant from an average daily flow of 1.2 MGD to 0.65 MGD to bring the plant into compliance with flow limits.



**Phase II – Sanitary Sewer Extension and Wastewater Treatment Plant Improvements, West Branch Sewer Authority, Barr & West Carroll Townships, Cambria County (Mr. Jeffrey Stevens, (814) 948-4723)**

Design and construction administration for a sewer extension project consisting of 120,000 LF of 8" PVC sanitary sewer main, 6,000 LF of 4" pressure sewer main, five pump stations, grinder pumps and service laterals. Provided sanitary sewer preliminary design, final design, construction plan preparation, securing permits, Act 537 Planning, preparation of contract documents and construction specifications, cost estimate generation, and Uniform Environmental Review. Responsibilities included coordinating funding sources including RUS loan and grant and an H2O grant administered through the Commonwealth Finance Agency (CFA). Also provided design, permitting and construction administration for the installation of screening and ancillary equipment, including a storage tank and chemical feed system, as well as structural concrete rehabilitation work at the West Branch Wastewater Treatment Facility.

**Sayre-Milltown Sanitary Sewage Pump Station Rehabilitation, Sayre Borough, Bradford County (Mr. Dave Jarrett, (570) 888-7739)**

The project involved the design and construction administration for the replacement of aging and outdated equipment with new, state of the art equipment including two submersible pumps rated at 130 gpm, programmable microprocessor, duplex pump control system and alarm autodialer. Additional upgrades included the installation a solids grinder to reduce maintenance and pump wear; minor refurbishing of the pump station subsurface wet well and minor alterations to the existing pump station site. The new grinder system is situated immediately ahead of the wet well in a new self-contained fiberglass reinforced polyester manhole installed on the existing 8" gravity sanitary sewer influent line to the wet well. The pump station receives flow from 80 EDUs located in Sayre Borough and from 62 EDUs in Athens Township.



### **Old Bedford Village Pump Station Replacement, Bedford Township Municipal Authority, Bedford County (Mr. Eric Zembower, (814) 623-7879)**

Design and construction administration for the replacement, upgrade and expansion of the Authority's existing pump station. The new pump station was relocated because of the location within a floodplain and inundation of the site during flooding conditions. An increase in hydraulic capacity of the pump station was necessary to prevent projected overload due to a planned residential development and a potential new major business development. Construction of the new pump station included the installation of a new concrete wet well with protective liner, two new 560 GPM submersible centrifugal pumps, pump piping, a trash basket, ladder and level sensors, a new pump control system and magnetic flow meter. The capacity of the pump station is 806,400 gpd (560 GPM) and is capable of serving an approximate 3,305 EDUs (at 244 gpd/EDU).

## COLLECTION SYSTEMS EXPERIENCE

### **Sanitary Sewer Extension – Phase I, Norwich Township Supervisors, Norwich Township, McKean County (Mr. Paul Lathrop, (814) 887-2732)**

The project included the design, permitting and construction administration of approximately 75,500 LF of low pressure sewer collection system installed via directional drilling in the northern area of the Township along State Route 46. Pipe sizes range from 1.5" to 6" HDPE pipe to serve 266 EDUs. The project also included the construction of a booster sewage pumping station to help convey sewage through the collection system. Funding to construct the \$4,607,785 project was obtained through a PennVEST loan/grant (\$2,030,634/\$1,010,504) and a grant from the H2O PA (\$1,566,647) program.

### **Sanitary Sewer Extension – Phase II, Norwich Township Supervisors, Norwich Township, McKean County (Mr. Paul Lathrop, (814) 887-2732)**

Project consists of 55,000 LF of low pressure sewer main installed via directional drilling, pump stations, grinder pumps and service laterals. Services included performing sanitary sewer preliminary design, final design, construction plan preparation, securing permits, preparation of contract documents and construction specifications, cost estimate generation and uniform environmental review/assessment, and construction administration. PennVEST is the anticipated funding source for this project.

### **Sanitary Sewer Collection System Improvements, Logan Township Supervisors, Logan Township, Blair County (Mr. Dave Pozgar, (814) 944-5349)**

Design and construction administration for new sanitary sewage collection systems in seven different areas of the Township. The new sewer systems will serve existing residential units that currently rely on on-lot systems for sewage disposal. Contract 13-05 consists of the construction of approximately 47,300 LF of 6" and 8" gravity sewer main, 6,500 LF of 4", 2" and 1½" HDPE forcemain, 225 manholes, pumping stations, metering station, borings, laterals and associated appurtenances. Contract 13-06 consists of the construction of approximately 36,900 LF of 6", 8" and 10" gravity sewer main, 760 LF of 2" and 1½' HDPE forcemain, 165 manholes, pumping station, metering station, borings, laterals and associated appurtenances.



### **Sanitary Sewer Rehabilitation, Williamsburg Municipal Authority, Blair County (Mr. Joe Lansberry, (814) 832-2051)**

Design, permitting, construction inspection and construction management for the installation of 38 manholes, the replacement of 2,150 LF of 8" sanitary sewer via trenching, the replacement of 4,150 LF of sanitary sewer via pipe bursting and the installation of all necessary appurtenances. This project helped to eliminate significant amounts of inflow and infiltration from the sanitary system thus helping to eliminate the need for the combined sewer overflow currently in operation. The removal of this overflow limited the amount of nutrients being discharged into the Frankstown Branch of the Juniata River. Administered PennVEST loan and grant funding.

### **Sanitary Sewer Replacement, Clearfield Borough, Clearfield County (Ms. Leslie Stott, (814) 765-7817)**

Design, permitting, construction inspection and construction management for a 4 phase sanitary sewer replacement project. Project included the replacement of approximately 120,000 LF of sanitary sewer mainline, 3,000 laterals from the new main to the foundation of existing structures and all associated appurtenances. The Borough decided to rehabilitate approximately 1,000 LF of 12" sewer main that traversed through a community park via cured in place pipe lining to minimize the disturbance to the park. The vast majority of the old sanitary sewer system was converted to storm sewer as part of the project. The Borough's sanitary sewer system was a combined system plagued by inflow and infiltration during wet weather events. The total project was funded by PennVEST.



### **Keystone Avenue/Valor Street Sanitary Sewer Line Replacement, Sayre Borough, Bradford County (Mr. Dave Jarrett, (570) 888-7739)**

Design and construction administration of an approximately 2,800 linear foot sanitary sewer line replacement project (8", 10", and 12 diameters) along Keystone Avenue (State Route 199) and Valor Street in Sayre Borough. Project involved securing Pennsylvania Department of Transportation Highway Occupancy Permit approval, preparation of detailed traffic control plans for a high-traffic corridor, and construction administration.

### **Sanitary Sewer Improvements, Hollidaysburg Sewer Authority, Blair County (Mr. Jim Gehret, (814) 695-7543)**

Design and construction administration for approximately 35,000 LF of gravity sewer collection system and 1,623 LF of storm sewer. Due to the hydraulic overloading of the sanitary sewer system during precipitation events, the Hollidaysburg Borough and the Hollidaysburg Sewer Authority initiated design of a project that reflects the complete replacement of the aged sanitary sewer system. The scope includes conversion of the old sanitary sewer into a stormwater conveyance system.



### **I&I Study and Sanitary Sewer System Replacement, Southmont Borough Supervisors, Cambria County (Mr. Rich Wargo, (814) 255-3104)**

Design and construction administration for the replacement of approximately 73,000 LF of gravity sewer collection system, 306 manholes and 914 sewer connections. Study work consisted of flow monitoring and internal television inspection. The project includes the replacement of all sewer main lines, interceptor lines, manholes and service laterals that have not previously been replaced and the reuse of portions of the abandoned sanitary lines for stormwater conveyance in locations where a dedicated storm sewer does not exist.

**Sanitary Sewer System Improvements, Lawrence Township Supervisors, Clearfield County (Mr. Randy Powell, (814) 765-5258)**

Preliminary design, final design, construction management and securing of permits for sewage collection system replacement projects within the Township. The three-phase project included replacement of approximately 60,000 LF of sanitary sewer main lines, including lateral replacement back to the foundation wall of the existing structures. The primary objective of the project was to eliminate system surcharging during wet weather events. Study work consisted of the completion and analysis of smoke testing, flow monitoring, internal television inspection, manhole inventories and personal interviews. The total project cost was approximately \$10 million.

**Area 2 and 3 Sanitary Sewer and Water Line Extensions, Bedford Township Municipal Authority, Bedford Township, Bedford County (Mr. Eric Zembower, (814) 623-7879)**

Engineering services for sanitary sewer and water line extensions in Bedford Township. Area 2 included approximately 194 households in the Imlertown, Briar Valley Road, Blattenburg/Camp Hughes and Yount areas. The sanitary sewer portion included 17,300 LF of gravity sewer piping, 2,900 LF of pipe bursting, 24,800 LF of force main piping, 9,425 LF of low pressure sewer piping, 70 grinder pumping units, 6 sewage pumping stations and all necessary appurtenances. The water portion of the proposed project involved the installation of approximately 52,000 LF of waterline piping and two pressure reducing valve stations. Area 3 in the Belden area included approximately 19,800 LF of gravity sewer piping, 12,190 LF of waterline piping and all necessary appurtenances.

**Area 4 Sanitary Sewer and Water Line Extensions, Bedford Township Municipal Authority, Bedford Township, Bedford County (Mr. Eric Zembower, (814) 623-7879)**

Installation of approximately 20,700 LF of 10", 8", 6", 4" and 2" Ductile Iron Water Main, fire hydrant assemblies, air release assemblies, blow-off valves, related service connections and appurtenances. The sanitary sewer phase of this project includes the installation of approximately 9,800 LF of 8" gravity sanitary sewer main, 8,100 LF of 4" force main, 3,070 LF of 2" low pressure sewer main, manholes, laterals, low pressure service connections, stream crossings, borings, pump station and all necessary appurtenances.

**I&I Study & Sanitary Sewer System Replacement, Ebensburg Municipal Authority, Cambria County (Mr. Dan Penatzer, (814) 472-8780)**

**SM** completed an Inflow/Infiltration study of the sanitary sewer system, including flow monitoring, internal television inspection and manhole inventories, with the goal of eliminating the Borough's two Combined Sewer Overflows.



Due to the hydraulic overloading during wet weather events, preliminary design has been initiated for replacement of a significant portion of the sanitary sewer system recommended by the study. The project will include the construction of approximately 60,500 LF of gravity sewer collection system, approximately 354 manholes and 890 sewer connections. Replacement will include sewer main lines, interceptor lines, manholes and service laterals to the property line, that have not previously been replaced and the reuse of portions of the abandoned sanitary lines for stormwater conveyance in locations where a dedicated storm sewer does not exist and where the use will be determined to be feasible and practical. Project completion is proposed to be around June of 2019.

We feel that the following references will be able to provide an accurate overview of our services relevant to the engineering services that may be needed by the West Virginia Division of Natural Resources. Please contact them for verification of our performance regarding personnel, work quality, cost control and ability to meet schedules.

**PA DCNR, Bureau of Facility Design & Construction**

Currently providing design, environmental, field survey and inspection services for various bridge and culvert replacement and rehabilitation projects on DCNR managed properties (Open-end Contract FDC-500-802). To date, the contract has included 29 work orders since 2015 for culvert replacements, bridge replacements, bridge rehabilitation projects and environmental tasks for an ATV trail project. Work orders for 2019 are already in progress.

*Mr. Wayne Nguyen, Civil Engineer Manager*

40 Market Street, 8th Floor  
Harrisburg, PA 17101  
(717) 787-9292

**Bedford Borough and Municipal Authority of the Borough of Bedford**

**Stiffler McGraw** has been involved in numerous projects over the past 26 years while working for the Borough and the Municipal Authority. The projects have included storm sewer construction, renovations to the 1.5 MGD wastewater treatment plant to meet the Chesapeake Bay requirements, and replacement of nearly half of the sanitary sewer collection system resulting in a significant reduction of flow at the treatment plant. **SM** was able to secure more than \$6,000,000 in grant funding to assist with the completion of these projects.

*Ms. Barbara Diehl, Borough Manager*

244 West Penn Street  
Bedford, PA 15522  
(814) 623-8192

**Williamsburg Municipal Authority**

Since 1990, **Stiffler McGraw** has provided municipal engineering services for projects such as sewer extensions, water and sewer tap fee calculations, NPDES permit renewals, Chapter 94 reviews, wastewater treatment plant operations assistance, leak detection and smoke testing. Recently completed upgrades to the existing wastewater treatment plant (0.337 MGD capacity).

*Mr. Joseph Lansberry, Manager*

826 Recreation Drive  
Williamsburg, PA 16693  
(814) 832-2051

**Freedom Township Water & Sewer Authority**

**Stiffler McGraw** has represented the Authority since 1990, providing assistance with Act 537 Plans, sewer and water line extensions and replacements, permitting assistance, and multiple funding applications. One of the Authority's largest and most recent projects completed was the design for an upgrade to their wastewater treatment plant to increase hydraulic capacity.

*(Mr. Rick Miller, (814) 695-0498)*

131 Municipal Street  
East Freedom, PA 16637  
(814) 695-8051



The West Virginia Division of Natural Resources operates a lodge and other facilities at Canaan Valley Resort State Park. It is our understanding that, to ensure continued compliance with effluent limitations and overall operational capabilities at the Park, the West Virginia Division of Natural Resources is undertaking an evaluation of their collection, conveyance and treatment facilities, which include an existing 0.10 MGD extended aeration wastewater treatment plant.

The goal of the proposed project is to ultimately improve operations through the consolidation of sitewide wastewater treatment processes and the retirement of deteriorated collection, conveyance and treatment components. As part of this process, various treatment methods will be evaluated to determine the most beneficial treatment process for the WV DNR moving forward.

**SM** has grown our clientele based on the ability to evaluate water and wastewater systems efficiently and effectively, identify the needs of the system and guide projects from concept through construction.

To that end, we own and operate several specialty tools including robotic televisual equipment, smoke testing equipment, push camera systems and over 20 portable sewer flow meters. Our staff has used these tools and their experience to successfully guide dozens of our clients through the same type of system evaluations and maintain relationships with those clients today as a result of their satisfaction with the guidance we provided.

If selected, **SM** will ensure a collaborative effort throughout the completion of this project. Our design approach would be to identify system needs during the early stages of our involvement. Once the system needs have been identified, we intend to provide representatives of the WV DNR with the opportunity to field view several of our recent projects to ensure that they have a firm understanding of equipment selection options, building material types, control system functionality options, laboratory equipment requirements and operational requirements of the selected treatment system. Throughout this hands-on approach to the design, the WV DNR will be presented with opportunities to indicate preferences on aspects of the new facility such as building material types, control system functionality options and laboratory equipment, which will not only allow **SM** to custom tailor the facility, but also, enable the WV DNR to make budget conscious selections.



**A. Procedure for Communication with Owner**

John Clabaugh, P.E. will serve as **Stiffler McGraw's (SM)** Project Manager and be the main point of contact for all communication with WV DNR. Louis Seidel, P.E. will provide assistance to Mr. Clabaugh as the back-up contact. A kickoff-off meeting with WV DNR representatives and key **SM** staff will be arranged and conducted by Mr. Clabaugh to provide WV DNR with an outline of the proposed project and ensure that all parties agree with the anticipated project scope, timeline and implementation schedule. A detailed scope, including a manhour and cost estimate, will be prepared and presented to WV DNR for review. Once approved by WV DNR, Mr. Clabaugh will have **SM** staff begin project activities. Throughout the project, open lines of communication with WV DNR staff will be maintained to keep WV DNR informed of project status. **SM** will be available to conduct status meetings, memos, emails or telephone calls with WV DNR staff as requested.

**B. Budget Plan**

Project Manager John Clabaugh, P.E. will be responsible for managing the project budget and keeping the team informed and on-track. **SM** utilizes Deltek Ajera software; a real-time project based management and accounting software system built specifically around Architecture and Engineering best practices. Information such as project reporting, resource scheduling, contract compliance, invoicing and timesheet collection are updated in real-time for project based costing. Once the Scope of Work is approved by the WV DNR, Mr. Clabaugh will develop a work plan based on hourly rates and tasks as defined in the Scope. We utilize this process for all of our projects to ensure conformance with project milestones and budget.

**C. Project Schedule Plan**

Mr. Clabaugh will be in direct charge of creating and monitoring the project schedule. Planning is a fundamental and challenging activity in the management and execution of any project. It involves the choice of technology, the definition of work tasks, the estimation of the required resources and durations for individual tasks, and the identification of any interactions among the different work tasks. It also involves relying on past experiences to know where potential problems may exist and how to adjust for those. As a division manager, Mr. Clabaugh has access to the full resources of **SM** and can add manpower as necessary to meet critical timeframes for a client such as WV DNR.

The schedule will be reviewed and approved by WV DNR as part of the Scope of Work. Mr. Clabaugh will monitor the progress and compare it with the schedule developed in the approved Scope of Work to assure the project will be completed within the agreed upon period. Throughout the project, if circumstances develop that may impact the project schedule, Mr. Clabaugh will work with WV DNR to develop a mutually agreeable adjustment.





**Goal/Objective 1: Review Existing Plans & Conditions and Communication with Owner**

An initial site visit will be scheduled with WV DNR staff to review the existing plans, discuss the primary issues and establish the expectations of the renovations as they relate to the operations at Canaan Valley Resort State Park. A base plan will be developed to illustrate existing features, proposed improvements, equipment locations and schematic piping arrangements. Subsequent to the completion of the conceptual plan, it will be presented to WV DNR for a 30% review. Revisions will be incorporated into the plan based on WV DNR input and continuing dialogue.

**Goal/Objective 2: Provide Necessary Services to Design Facilities**

With an approved conceptual layout, **SM** will proceed with preparation of preliminary plans and specifications. During this time, equipment manufacturers will be solicited to supply selections and pricing on materials. Detailed plans will be developed integrating selected equipment.

Preliminary permitting tasks will be completed. The West Virginia Department of Environmental Protection Division of Water and Waste Management will be contacted for a permitting consultation along with the appropriate County and Municipality.

Around 60% completion, plans will be submitted to the WV DNR for review.

All appropriate drawings, specifications and documents shall be prepared under the supervision of a Professional Engineer registered in the State of West Virginia, Project Manager John Clabaugh, P.E. and all appropriate drawings, specifications and documents shall be signed and sealed by the same.

Upon approval of preliminary plan and equipment selection; plans, details and specifications will be finalized. Based on the design, permits will be finalized for submission. Prior to submission, a 90% complete plan set will be submitted to the WV DNR for review. Required revisions or changes will be made to the plans.

**Goal/Objective 3: Provide Bidding Assistance and Construction Contract Administration**

Under this phase, **SM** will be responsible for the following tasks:

1. Support WV DNR, as necessary, throughout the bidding process.
2. Furnish WV DNR and the successful contractor(s) with an additional set of construction plans and specifications.
3. Consult with and advise WV DNR and act as its representative as normally expected of professional engineering firms. **SM**, through our inspector, will issue WV DNR's written instruction to the contractor(s). **SM** will have the authority to act on the behalf of WV DNR to the extent authorized by WV DNR.
4. Make periodic visits to the site as necessary, or as defined for the project (minimum of once a month). The purpose of the visit is to observe, as an experienced design professional, the progress and quality of the executed work and to determine, in general, if the work is proceeding in accordance with the final plans, specifications, and the contract documents. **SM** will verify that the completed project conforms to the final plans, specifications, and to the



contract documents. During such visits and on the basis of its on-site observations, **SM** shall keep WV DNR informed in writing on the progress of work and shall endeavor to guard WV DNR against defects and deficiencies in the work of the contractor(s); shall notify WV DNR of any observed defects or deficiencies in the work of the contractor(s); and shall disapprove or reject work as failing to conform to the requirements of the final plans, specifications, or contract documents.

5. Take appropriate prompt action to review and respond to requests for information and review and approve submittals, shop drawings and samples, the results of tests and inspections and other data which contractor(s) is required to submit, for conformance with the design concept of the project and compliance with the information given in the final plans, specifications, and the contract documents; determine the acceptability of substitute materials and equipment proposed by contractor; and receive and review maintenance and operating instructions, schedules, guarantees, bonds, and certificates of inspection, which are to be assembled by the contractor in accordance with the final plans, specifications, and contract documents.
6. Issue instructions to the contractor and prepare and review all change orders as required. **SM** may require special inspection testing of the work and shall act as interpreter of the requirements of the final plans, specifications, and the contract documents and judge the performance there under of the contractor.
7. Based on **SM** on-site observations as an experienced and qualified design professional and on our review of the contractors applications for payment and the accompanying data and schedules, shall advise WV DNR as to the amount owing to contractor(s) and indicate whether he/she approves such amount per month; such approvals for payment will be indicative to WV DNR based on such observation and review, that the work has progressed to the point indicated and that, to the best of knowledge, information and belief, the quality of the work is in accordance with the final plans, specifications, and the contract documents.
8. Conduct monthly progress meetings and distribute minutes of all meetings.
9. Prepare and provide a set of reproducible mylar records and three (3) copies of drawings showing those changes made during the construction process, based on the marked-up prints, drawings, and GPS data point furnished by WV DNR inspectors to **SM** and which we consider significant. This information shall be made available to WV DNR in hard copy and electronic AutoCAD format.
10. Provide final construction certification, including final certification and approval of all funding agencies.



## **RELATED PROJECT EXPERIENCE**

John serves as a Sr. Project Engineer at **Stiffler McGraw**. His 16 years of experience encompasses the planning, preliminary design and final design for municipal infrastructure projects including water and wastewater treatment plants. He oversees bidding, construction administration, operation startup, and grant/loan administration. He has experience completing various permits, plans and funding applications necessary to complete infrastructure projects. John has served as Project Manager on multiple water and wastewater projects ranging in size from \$10,000 to \$18,000,000. He represents six municipalities and authorities as their engineer-of-record, providing day-to-day consulting services and attending meetings as needed. Project experience includes the following:

- **Wastewater Treatment Plant Upgrades, Gallitzin Borough Sewage and Waste Authority, Cambria County**  
Project Manager for the design of upgrades to the existing wastewater treatment plant (0.400 MGD capacity). The upgrades included installation of SBR's, influent pumping station, UV disinfection system, aerobic digesters, sludge processing equipment, ADA restrooms and chemical feed systems.
- **Wastewater Treatment Plant Upgrade, Municipal Authority of the Borough of Bedford, Bedford County**  
Project Manager for the design of upgrades to the existing wastewater treatment plant (1.5 MGD capacity). The upgrades included installation of SBR's, anaerobic digesters, screening equipment, grit removal, primary clarifiers, UV disinfection system, biofilter, chemical feed systems and solids processing equipment.
- **Wastewater Treatment Plant Upgrade, Freedom Township Water & Sewer Authority, Blair County**  
Project Manager for the design of upgrades to the existing wastewater treatment plant (0.96 MGD capacity). The upgrades included installation of equalization tanks, influent pumping station, fine screening equipment, 4 stage BNR process, UV disinfection system, aerobic digesters, chemical feed systems and solids processing.
- **Wastewater Treatment Plant Upgrades, Williamsburg Municipal Authority, Blair County**  
Project Manager for the design of upgrades to the existing wastewater treatment plant (0.337 MGD capacity). The upgrades included installation of SBR's, influent pumping station, UV disinfection system, aerobic digesters, sludge processing equipment, municipal offices, locker rooms, ADA restrooms and chemical feed systems.
- **Wastewater Treatment Plant Study, Williamsburg Municipal Authority, Blair County**  
Completed a 537 Plan Special Study analyzing the wastewater treatment plant (0.337 MGD capacity) for compliance with the Chesapeake Bay Tributary Strategy. The study included analysis of alternatives, generation of cost estimates and recommendations for capital improvements.
- **Wastewater Treatment Plant Upgrades, Hyndman Borough Municipal Authority, Bedford County**  
Project Manager for the design of upgrades to the existing wastewater treatment plant (0.73 MGD capacity). The upgrades included installation of SBR's, influent pumping station, UV disinfection system, aerobic digesters and chemical feed systems. Coordinated funding sources including an RUS loan.



- **Wastewater Treatment Plant Study, Hastings Area Sewer Authority, Cambria County**  
Completed a 537 Plan Special Study analyzing the wastewater treatment plant (0.6 MGD capacity) for compliance with the Chesapeake Bay Tributary Strategy. The study included analysis of alternatives, generation of cost estimates and recommendations for capital improvements.
- **Water System Upgrades, Hastings Municipal Authority, Cambria County**  
Design, permitting, bidding and construction administration of an interconnection between the Hastings System and Elder Township, replacement of the raw water line, replacement of the system's primary source of raw water, replacement of the water distribution system in the village of Slickport and renovations to the existing water treatment facility.
- **Sanitary Sewer Upgrades, Williamsburg Municipal Authority, Blair County**  
Design and construction administration of a sanitary sewer replacement project throughout the Borough.
- **Sanitary Sewer System Evaluation, Philipsburg Borough, Centre County**  
Completion of a comprehensive study of the sanitary sewer collection system throughout the Borough. Study consisted of the completion and analysis of smoke testing, flow monitoring, internal televisual inspection, manhole inventories and personal interviews. The study also involved the analysis of several alternative solutions to the problems currently experienced by the sewer system.
- **Sanitary Sewer Replacement, Borough of Philipsburg, Centre County**  
Design of a four-phase replacement sanitary sewer conveyance system throughout the Borough. Included the installation of approximately 69,900 LF of sanitary sewer pipe, manholes, associated appurtenances and 1,365 LF of storm sewer piping.

#### **Permits/Plans/Funding Application Experience**

- NPDES Permits
- Erosion and Sedimentation Control Plans
- DEP Water Quality Management Part II Permit
- USACOE and DEP Joint Permit Applications
- General Permits
- Growing Greener Grant Applications
- PennVEST Funding Application
- RUS Funding Applications
- Public Water Supply Permit Applications
- Susquehanna River Basin Water Withdrawal Permit

#### **EDUCATION**

Bachelor of Science Degree, Civil & Environmental Engineering, 2003, The Pennsylvania State University

#### **PROFESSIONAL REGISTRATIONS / CERTIFICATIONS**

Registered Professional Engineer – WV (22655, exp. 12/31/20), PA, MD

#### **EXPERIENCE RECORD – 16 Years**



## RELATED PROJECT EXPERIENCE

LJ serves as a Project Engineer at *Stiffler McGraw*. He has 8 years of experience assisting with preliminary design, final design, securing of permits, grant/loan administration and client liaison for municipal projects. His water and wastewater experience includes feasibility studies, preliminary and final design, permitting, construction administration and management on the owner's behalf. Land development experience includes stormwater management, Highway Occupancy Permits, lot layout, roadway design, grading, utility extension design, erosion & sedimentation control and NPDES permit acquisition. He also assists clients with bidding and project management. Some of the projects LJ has worked on include the following:

- **New Wastewater Treatment Plant, Burrell Township Sewer Authority, Indiana County**  
Project Engineer for design of a new 0.18 MGD wastewater treatment plant including process conversion, tankage, equipment and conversion. Responsible for NPDES WQM Part II permitting, utility extension coordination, equipment selection, and process design.
- **Frenchcreek Wastewater Treatment Plant Evaluation, Frenchcreek Township Supervisors, Polk, Venango County**  
Project Engineer for study to evaluate the feasibility and associated cost for the upgrades of an activated sludge plant utilizing a trickling filter process with primary clarification for wastewater treatment. The plant is designed to treat an average daily flow of 0.450 MGD.
- **Wastewater Treatment Plant Upgrades, Gallitzin Borough Sewage and Waste Authority, Cambria County**  
Project Engineer for the design of upgrades to the existing wastewater treatment plant (0.400 MGD capacity). Replaced extended aeration with SBR treatment process. Responsible for site design, permitting, stormwater management, plant design and equipment selection.
- **Wastewater Treatment Plant Improvements, Indiana Borough, Indiana County**  
Design and permitting of sludge press upgrades. Responsible for construction administration and management of project on owner's behalf.
- **Wastewater Treatment Plant - Phase III, Keating Township, McKean County**  
Project Engineer for design of new wastewater treatment plant including process, tanks and all initial equipment and appurtenances. Responsible for all site design, stormwater management and permitting requirements including General Permit for stream crossing, NPDES permit for site grading, Highway Occupancy Permit for site access and land development approval.
- **Wastewater Treatment Plant Improvements, North Warren Municipal Authority, Warren County**  
Project Engineer for design of headworks, digester and sludge pumping upgrades and appurtenances. Responsible for NPDES Part II permitting requirements and Erosion & Sedimentation Control design.
- **Wastewater Treatment Plant Improvements, Freedom Township Water & Sewer Authority, Blair County**  
Permitting (GP-11) as part of the upgrades to the existing wastewater treatment plant.



- **Water Treatment Facility Improvements, Williamsburg Municipal Authority, Woodbury Township, Blair County**  
Project Engineer for the design of a new potable water disinfection facility at the current Municipal Authority well field.
- **Waterline Installation, Watco Mechanical Services, Frankstown Township, Blair County**  
Design and permitting (GP-5) for a 110 LF, 4" HDPE waterline installed under Brush Run.
- **Water Treatment Plant, Towanda Municipal Authority, Bradford County**  
Project Engineer for design of a 1.0 MGD micro filtration water treatment plant. Completed source development of 3 wells. Responsible for permitting and design.
- **Water Treatment Plant Improvements, Nanty Glo Water Authority, Cambria Township, Cambria County**  
Project Engineer for water treatment plant improvements including a new dual unit 800 gpm upflow clarifier/filtration system, construction of a backwash water supply pump station, conversion of an existing sludge holding tank to a backwash waste equalization tank, and installation of an on-site shallow injection well/absorption bed for disposal of backwash water solids and plate settler overflow.
- **Water System Improvements, Hastings Municipal Authority, Cambria County**  
Project Engineer for design and permitting (GP-11) for a multi-phased water system improvements project involving existing raw water sources, conveyance, storage facilities, water treatment plant and finished water distribution lines located within Hastings Borough and Elder Township.
- **Camp Sunshine Water Storage Tank and Access Roadway, Bedford Township Municipal Authority, Bedford Township, Bedford County**  
Project Engineer for design, permitting and construction of a 522,000 gallon potable water storage tank and 2,300 LF water main. Permitting requirements included amendment to existing public water supply permit, FAA clearance, and Erosion & Sedimentation Control. Responsibilities also included complete roadway design and stormwater management design/analysis for a 1,500 LF gravel access road off Chalybeate Road (SR 1014), acquisition of PennDOT HOP, Erosion & Sedimentation Control and NPDES permits in addition to municipal level land development approval.
- **Windy Ridge Business & Technology Park, Indiana County Development Corporation, White Township, Indiana County**  
Pad grading, plans development for utility extensions, NPDES Permit for disturbed acreage, general permits acquisition for wetland impacts associated with utility line extensions. Completed GP-7 and GP-5 for the roadway portion of the project.

#### EDUCATION

Bachelor of Science Degree, Civil Engineering, 2010, University of Pittsburgh

#### PROFESSIONAL REGISTRATIONS

Professional Engineer – WV (22667, exp. 12/31/20), PA, MD

EXPERIENCE RECORD – 8 Years



## RELATED PROJECT EXPERIENCE

Brian serves as a Sr. Project Engineer at **Stiffler McGraw** for infrastructure projects including treatment plant improvements and expansions, line replacements and extensions and drainage improvements. He has 14 years of experience and his project responsibilities include preliminary design; final design; PADEP, US Army Corps and NPDES permitting and construction administration. Project experience includes the following:

- **Wastewater Treatment Plant Upgrades, Gallitzin Borough Sewage and Waste Authority, Cambria County**  
Project Engineer responsible for civil and process design and project management, including evaluation of design alternatives, treatment process design, process piping and hydraulics design, construction bidding and contract documents, shop drawing and O&M manual reviews, coordination with resident inspection, PADEP/Army Corps of Engineers permitting, hydrologic and hydraulic floodplain analyses, site development, grading and drainage design, erosion and sedimentation control and post construction stormwater management. Upgrades and expansion to the existing treatment plant (0.4 MGD capacity) include the replacement of the existing treatment plant process with a three basin SBR treatment process for nitrogen and phosphorus removal; construction of a new headworks building with fine screens, two new aerobic digesters, an ultraviolet disinfection system; and modifications to the existing control building. The project also includes a sewer separation/sewer line replacement throughout the entire system.
- **Wastewater Treatment Plant Improvements, Williamsburg Municipal Authority, Catherine Township, Blair County**  
Project Engineer responsible for civil and process design and project management, including treatment process design, process piping and hydraulics design, construction bidding and contract documents, shop drawing and O&M manual reviews, coordination with resident inspection, PADEP/Army Corps of Engineers permitting, hydrologic and hydraulic floodplain analyses, floodplain mitigation design, site development, grading and drainage design, erosion and sedimentation control and post construction stormwater management. Upgrades to the existing wastewater treatment plant (0.33 MGD capacity) included installation of SBR's, influent pumping station, fine screening equipment, UV disinfection system, aerobic digesters, chemical feed systems, laboratory and solids processing.
- **Wastewater Treatment Plant Expansion, Freedom Township Water and Sewer Authority, Blair Township, Blair County**  
Project Engineer responsible for civil and process design and project management, including treatment process design, process piping and hydraulics design, construction bidding and contract documents, shop drawing and O&M manual reviews, coordination with resident inspection, PADEP/Army Corps of Engineers permitting, hydrologic and hydraulic floodplain analyses, floodplain mitigation design, site development, grading and drainage design, erosion and sedimentation control and post construction stormwater management. Upgrades to the existing wastewater treatment plant (0.96 MGD capacity) included installation of equalization tanks, influent pumping station, fine screening equipment, 4 stage BNR process, UV disinfection system, aerobic digesters, chemical feed systems and solids processing.



- **Wastewater Treatment Plant Improvements, Hyndman Borough Municipal Authority, Hyndman Borough, Bedford County**  
Project Engineer responsible for civil and process design and project management, including treatment process design, process piping and hydraulics design, construction bidding and contract documents, shop drawing and O&M manual reviews, coordination with resident inspection, PADEP/Army Corps of Engineers permitting, hydrologic and hydraulic floodplain analyses, floodplain mitigation design, site development, grading and drainage design, erosion and sedimentation control and post construction stormwater management. Upgrades to the existing wastewater treatment plant (0.73 MGD capacity) included installation of SBR's, influent pumping station, UV disinfection system, aerobic digesters and chemical feed systems.
- **Wastewater Treatment Plant Improvements, Municipal Authority of the Borough of Bedford, Bedford County**  
Project Engineer responsible for civil design of a 1.5 MGD Sequencing Batch Reactor wastewater treatment plan, including PADEP/Army Corps of Engineers permitting, hydrologic and hydraulic floodplain analyses, site development, grading and drainage design, erosion and sedimentation control, and post construction stormwater management.
- **Wastewater Treatment Plant Improvements, North Warren Municipal Authority, Warren County**  
Project Manager responsible for civil and process design and project management to renovate an existing treatment plant (0.75 MGD capacity). The scope of the project involves the construction of a headworks building and installation of new screening equipment, two aerobic digesters, the conversion of the existing anaerobic digester to a sludge holding tank, modifications to the existing control/office building and installation of all necessary equipment, piping and appurtenances.
- **Water Treatment Facility Improvements, Williamsburg Municipal Authority, Woodbury Township, Blair County**  
Project Engineer for the design of a new potable water disinfection facility at the current Municipal Authority well field. The project involves the construction of a modern masonry structure to house the chemical feed equipment as well as serve as an office space for the operator; updates to the flow monitoring equipment, the installation of modern pump controls, and online chlorine residual monitoring equipment.

**EDUCATION**

Bachelor of Science Degree, Civil Engineering, 2005, The Pennsylvania State University

**PROFESSIONAL SOCIETIES**

American Society of Highway Engineers

**PROFESSIONAL REGISTRATIONS**

Registered Professional Engineer – PA, NY

**EXPERIENCE RECORD – 14 Years**





## **RELATED PROJECT EXPERIENCE**

Todd serves as a Sr. Project Manager at **Stiffler McGraw**. His 19 years of experience encompasses the preliminary and final design and construction administration of infrastructure projects including sanitary sewer, storm sewer and water line projects and treatment systems. He oversees bidding, construction administration, and grant/loan administration. He has experience completing various permits, plans and funding applications necessary to complete various line projects. Todd has served as Project Manager on multiple projects ranging in size from \$10,000 to \$27,000,000. He represents seven municipalities and authorities as their engineer-of-record, providing day-to-day consulting services and attending meetings as needed. Project experience includes the following:

- **Sanitary Sewer Replacement Project, Clearfield Borough, Clearfield County**  
Project included the replacement of approximately 120,000 LF of sanitary sewer mainline, 3,000 laterals from the new main to the foundation of existing structures and all associated appurtenances. The vast majority of the old sanitary sewer system was converted to storm sewer as part of the project. The Borough's sanitary sewer system was a combined system plagued by I & I during wet weather events. The total project cost was approximately \$27 million and was funded by PennVEST.
- **Sanitary Sewer System Replacement, Phase 1 & 2, Southmont Borough Council, Cambria County**  
Design and construction administration for the replacement of approximately 73,000 LF of gravity sewer collection system, 306 manholes and 914 sewer connections to correct hydraulic overloading at the Johnstown Redevelopment Authority's sanitary sewer system and treatment facility.
- **Sanitary Sewer Improvements, Hollidaysburg Sewer Authority, Blair County**  
Design and construction administration for approximately 35,000 LF of gravity sewer collection system and 1,623 LF of storm sewer within the M-11 & N. Juniata Street Sewer Subbasin. Due to the existence of SSO's and hydraulic overloading of the sanitary sewer system in the M-11 & N Juniata Street Sewer Subbasin during precipitation events, the Hollidaysburg Borough and the Hollidaysburg Sewer Authority have initiated design of a project that reflects the complete replacement of the aged sanitary sewer system. The scope of the project includes conversion of the old sanitary sewer into a stormwater conveyance system.
- **Sanitary Sewer Extension, Foster Township, McKean County**  
Project Manager for design and construction administration for construction of approximately 110,000 feet of low pressure sewer main. The project extended low pressure sanitary sewer service to approximately 350 homes and businesses. The vast majority of the sewer line extensions were installed using directional drilling methods, which minimizes excavation and surface disturbance. Funding was secured through a \$4,808,300 PennVEST loan.
- **Storm Sewer Improvement Project, Clearfield Borough, Clearfield County**  
Stiffler McGraw successfully secured Clearfield Borough a Commonwealth Financing Authority H2O Grant to design and construct this project. The project included replacement of existing undersized storm sewer and new storm sewer installation in areas of the Borough most prone for flooding during extreme precipitation events. Storm sewer size ranged from 15" to 60".



- **Sanitary Sewer Extension, Woodbury Township, Blair County**  
This project included the construction of 32,000 LF of gravity sewer main and 7,000 LF of low pressure sewer to serve 210 additional customers. The total construction cost was \$3,100,000 and was funded by PennVEST.
- **Sanitary Sewer System Improvements, Lawrence Township Supervisors, Clearfield County**  
Preliminary design, final design, construction management and securing of permits for sewage collection system replacement projects within the Township. The three-phase project included replacement of approximately 60,000 LF of sanitary sewer main lines, including lateral replacement back to the foundation wall of the existing structures. The primary objective of the project was to eliminate system surcharging during wet weather events.
- **Sewer Collection and Treatment Facility, Cromwell Township, Huntingdon County**  
This project was completed to abate existing health and safety threats and environmental pollution associated with the discharge of raw sewage from wildcat sewage systems and malfunctioning on-lot systems. Consisted of approximately 28,000 LF of 8" sanitary sewer main, 7,000 LF of force main, 1,100 LF of low pressure sewer, one pump station and an interconnection to the Orbisonia Rockhill Joint Municipal Authority Collection System.
- **Wayne Avenue Interceptor, Indiana Borough, Indiana County**  
This project included the construction of approximately 4,000 LF of 30" sanitary sewer interceptor and the retirement of the three antiquated sewer conveyance networks. The main objectives of the project were to eliminate I & I impacts to the sanitary sewer systems and to abandon the old interceptor network to facilitate construction of the Kovalchick Convention & Athletic Complex.
- **Water System Improvements, Hastings Municipal Authority, Cambria County**  
Design and construction administration of a multi-phased water system improvements project involving existing raw water sources, conveyance and storage facilities, water treatment plant and finished water distribution lines located within Hastings Borough and Elder Township.

#### PERMITS / PLANS / FUNDING

- NPDES Permits
- Erosion and Sedimentation Control Plans
- DEP Water Quality Management Part II Permit
- USACOE and DEP Joint Permit Applications
- DEP Small Projects Permit
- General Permits
- PennVEST Funding Applications

#### EDUCATION

Bachelor of Science Degree, Civil & Environmental Engineering, 2000, University of Pittsburgh

#### PROFESSIONAL REGISTRATIONS / CERTIFICATIONS

Registered Professional Engineer – PA

EXPERIENCE RECORD – 19 Years



## RELATED PROJECT EXPERIENCE

Jeff serves as an Electrical Engineer for *Stiffler McGraw*. His 21 years of experience includes assisting with the design of upgrades for wastewater and water projects; including sludge handling facilities, pumping and metering stations; and industrial and municipal buildings electrical systems. He assists with preliminary and final project design responsibilities, which include equipment selection, specification review/revision, shop drawing review, CADD drawing review, and client liaison. Project experience includes the following:

- **Wastewater Treatment Plant Upgrades, North Warren Municipal Authority, Warren, Warren County**  
Electrical design of upgrades to the existing wastewater treatment plant (0.75 MGD capacity). Design duties included layout of an upgraded electrical service to the plant, power distribution for new industrial wastewater treatment equipment, HVAC equipment, and lighting, and design layout to implement control devices and equipment.
- **Wastewater Treatment Plant Upgrades, Williamsburg Municipal Authority, Blair County**  
Currently assisting with the electrical design of upgrades to the existing wastewater treatment plant (0.33 MGD capacity). Design duties included assisting with layout of electrical service and power distribution for lighting, control, and operation of industrial wastewater treatment equipment.
- **Wastewater Treatment Plant Upgrades, Gallitzin Borough, Cambria County**  
Electrical design of upgrades to the existing wastewater treatment plant (0.4 MGD capacity). Duties included assisting with layout of electrical service and power distribution for lighting, control, and operation of industrial wastewater treatment equipment.
- **Wastewater Treatment Plant, Freedom Township Water & Sewer Authority, Blair County**  
Assisted with the electrical design of upgrades to the existing wastewater treatment plant (0.96 MGD capacity). Design duties included assisting with layout of electrical service and power distribution for lighting, control and operation of industrial wastewater treatment equipment.
- **Water Supply and Sewer Treatment System Upgrades, Roadside Rest Area Site 3, PA DGS, Brush Creek Township, Fulton County**  
Electrical design of upgrades to existing water and wastewater treatment facilities for a roadside rest area. Duties included electrical service coordination and design of equipment for electrical distribution to lighting, controls, and water/wastewater related equipment.
- **Water System Improvements, Hastings Municipal Authority, Cambria County**  
Electrical design of upgrades to the water system, which includes equipment upgrades at the existing water treatment plant and at an existing mine spring water source, construction of a new chlorine booster station, and new metered interconnection. Design included assisting with layout of electrical service and power distribution for lighting, control, communications, and operation of industrial water treatment and distribution equipment.
- **Sweet Root Road Sanitary Sewer and Waterline Extension Project, Bedford Township Municipal Authority, Bedford County**  
Assisted with the electrical design for a pumping station facility. Duties included assisting with design and layout of equipment needed to power pumping, control and remote communications equipment.



- **Water Treatment Plant Upgrades, Nanty Glo Water Authority, Cambria County**  
Electrical design of alterations and upgrades to the existing water treatment plant to include the removal of two existing water filter units, and the installation of two new filter units. Design duties included layout of power distribution for the new filter units, backwash pumping equipment, chemical feed equipment, and lighting. The design also included integration of changes to the existing plant control system, numerous water treatment related analytical devices, and associated process related equipment.
- **Patton Well Development Project, Patton Borough, Cambria County**  
Electrical design for development of two well sites, one which includes a disinfection facility building. Duties included assisting with layout of electrical service and power distribution for the well water pumping equipment, disinfection facility equipment, controls, communications and lighting.
- **Blower Replacement, Snake Spring Township Municipal Authority, Bedford County**  
Assisted with the electrical design for replacement of two blowers and associated electrical equipment at the wastewater treatment plant. Duties included assisting with design and layout of equipment needed to power and control two new blowers to be used in the wastewater treatment process.
- **Sludge Facility Handling Project, Nanty Glo Sanitary Sewer Authority, Cambria County**  
Assisted with the design and specification of electrical equipment for a sludge handling facility at the Nanty Glo Wastewater Treatment Plant. Duties included assisting with layout of the electrical system required for lighting, power and control of the sludge handling facility and associated equipment.
- **Blower Replacement, Snake Spring Township Municipal Authority, Bedford County**  
Assisted with the electrical design for replacement of two blowers and associated electrical equipment at the wastewater treatment plant. Duties included assisting with design and layout of equipment needed to power and control two new blowers to be used in the wastewater treatment process.
- **Sanitary Sewage Collection System Upgrades, Logan Township Supervisors, Blair County**  
Currently assisting with the design and specification of electrical equipment for multiple pump and metering stations to be added as an upgrade to the sanitary sewage collection system. Duties include assisting with layout of the electrical service and equipment required for lighting, power and control of pumping, metering and remote communications equipment required at the various locations.

## EDUCATION

Bachelor of Science Degree, Electrical Engineering, 1998, The Pennsylvania State University

## PROFESSIONAL REGISTRATIONS / CERTIFICATIONS

Registered Professional Engineer – WV (22677, exp. 12/31/20), PA, MD, NY

## EXPERIENCE RECORD – 21 Years



## RELATED PROJECT EXPERIENCE

As a Project Designer with **Stiffler McGraw**, Scott's duties include infrastructure design, preparation of plans and specifications, consulting with professional engineers regarding implementation of construction techniques and coordination with utility company as to the locations of existing utilities during design and construction, just to name a few. Scott also has experience as an Inspector where his duties include full-time inspection to insure the contractor's completion of the project within contract specifications, project records and documentation, processing of periodic pay estimates and liaison between the project engineer(s) and contractor.

- **Sanitary Sewer Replacement-Phase 2, Southmont Borough, Cambria County**  
Assisted with the design, layout and permitting of the installation of approximately 30,000 LF of sanitary sewer main and appurtenances along with replacing the laterals between the main and property line of connected user.
- **Sanitary Sewer Replacement-Phase 1, Southmont Borough, Cambria County**  
Assisted with the design, layout and permitting of the installation of approximately 40,000 LF of sanitary sewer main and appurtenances along with replacing the laterals between the main and property line of connected user.
- **Area IV Sanitary Sewer & Water Project, Bedford Township Supervisors, Bedford County**  
Assisted with the design, layout and permitting of the Area IV Sanitary Sewer & Water Project. Completed quantities for the construction as well as investigation work into the existing sewer to assist in the design for the extensions.
- **Storm Sewer Project, Clearfield Borough, Clearfield County**  
Assisted with the design, layout and permitting for a 17,000 LF storm sewer project located in several areas of the Borough, including 6 intersections with state roadways.
- **Sanitary Sewer Replacement-Phase 2, Hollidaysburg Sewer Authority, Blair County**  
Assisted with the design, layout and permitting of the installation of 12,000 LF of sanitary sewer main and appurtenances along with replacing the laterals between the main and property line of connected user.
- **Sylvan Heights Drive Sanitary Sewer Replacement, Frankstown Township, Blair County**  
Assisted with the design, layout and permitting of the Logan Township Sewer Improvements. Completed quantities for the construction as well as investigation work into the existing sewer to assist in the design for the extensions.
- **Sanitary Sewer Collection System Improvements, Logan Township Supervisors, Blair County**  
Assisted with the design, layout and permitting of the Logan Township Sewer Improvements. Completed quantities for the construction as well as investigation work into the existing sewer to assist in the design for the extensions.
- **Sanitary Sewer System Improvements Phases 1, 2, 2-A and 3, Lawrence Township, Clearfield County**  
Assisted with the design, layout and permitting of the sanitary sewer. Completed the investigation work to determine service locations. Also acquired the necessary permits to complete the project.



- **Sanitary Sewer Replacement, Gallitzin and Tunnelhill Boroughs and Gallitzin Township, Cambria County**  
Assisted with the design, layout and permitting of the replacement of approximately 47,000 LF of 8" PVC sanitary sewer main and 25,000 LF of service laterals.
- **Carson Valley Sewer Extension, Allegheny Township Sewer & Water Authority, Blair County**  
Assisted with the design, layout and permitting of the installation of approximately 16,800 LF of conventional gravity sewer main. It services 62 residential properties and one small commercial office building.
- **Sanitary Sewer Replacement, Hollidaysburg Sewer Authority, Blair County**  
Assisted with the design, layout and permitting of the installation of approximately 30,000 LF of sanitary sewer main and appurtenances along with replacing the laterals between the main and property line of connected user.
- **Sanitary Sewer Extensions, West Branch Sewer Authority, Cambria County**  
Assisted with the design, layout and permitting of sanitary sewer extensions to Nicktown, Barnes, Bakerton and Watkins areas.
- **Sanitary Sewer Project, Cromwell Township, Huntingdon County**  
Assisted with the design, layout and permitting of a new sanitary sewer system including 22,300 LF of gravity sewers, 7,000 LF of force main, 1,100 LF of low pressure sewer and a pump station for 90 residential customers and the Southern Huntingdon High School.
- **SR's 0219, 4027 & 4016 Water System Improvements, Northern Cambria Borough, Cambria County**  
Inspection supervisor for the replacement of 6,950 LF of 12" pipe, 38,400 LF of 8" pipe, 54,425 LF of 6" pipe, 3,200 LF of 4" pipe, valves, fittings, pressure reducing stations and service connections.
- **SR's 1001, 1002 & 2041 Sanitary Sewer Improvements, Lawrence Township, Clearfield County**  
Inspection supervisor for the replacement or installation of approximately 1,640 LF of 6" sanitary sewer, 11,475 LF of 8" sanitary sewers, 2,730 LF of 10" sanitary sewers, manholes, laterals, building sewers, stream crossings and other associated appurtenances.

## EDUCATION

AutoCAD, 1997, Altoona Area Vo-Tech School

## PROFESSIONAL CERTIFICATIONS

NICET Underground Utilities Level III (80716, exp. 8/1/20)

## TRAINING

Winter Construction School, PennDOT District 2-0

Winter Construction School, PennDOT District 9-0

PAG-02 Update Training

Pipeline Safety Training Certificate, SafetyComm Solutions

Confined Space Entry Training OSHA 29 CFR 1910.146

Treatment Plant Operations Course - Wastewater I & II

## EXPERIENCE RECORD – 32 Years



## RELATED PROJECT EXPERIENCE

Roger serves as Construction Manager responsible for overseeing the staff of inspectors for **Stiffler McGraw** projects. His 42 years of training and hands-on experience combined with a unique problem-solving ability has been utilized effectively throughout his career in the field of construction management. Over the past 30 years at **SM**, he has successfully managed over 40 major construction projects ranging from sewer/water infrastructure projects, which include HOP projects, to major roadway/structures projects. Roger manages staffing and assists with day-to-day construction activities, performing site visits on all of **SM's** construction projects bi-weekly. He fills in on inspection projects as needed to cover vacancies in order to keep projects on schedule. Project experience includes the following:

- **Area 4 Sanitary Sewer and Water Line Extensions, Bedford Township Municipal Authority, Bedford County**  
Construction Manager. Water extension consists of installation of 20,700 LF of 10", 8", 6", 4" and 2" Ductile Iron Water Main. Sanitary sewer phase includes installation of approximately 9,800 LF of 8" gravity sanitary sewer main, 8,100 LF of 4" force main, 3,070 LF of 2" low pressure sewer main. Duties included making bi-weekly visits to the project site to touch base with field inspector to make sure things were running smoothly with the project. Also filled-in during vacancies to keep the project on schedule.
- **Sanitary Sewer and Waterline Extension, Williamsburg Municipal Authority, Blair County**  
Construction Manager for \$3.1 million project. Duties included making bi-weekly visits to the project site to touch base with field inspector to make sure things were running smoothly.
- **Cow Hill Water Storage Tank Rehabilitation, Hollidaysburg Borough, Blair County**  
Resident Project Inspector on the placement of the new structural system to support the existing concrete tank roof. This included reinforced concrete columns and structural steel girders.
- **S.R. 4009, 07P Sanitary Sewer & Water Line Relocations, Bedford Township, Bedford County**  
Construction Manager for sewer and water line relocation project in conjunction with S.R. 4009 (Business 220) Highway Improvements project. Provided periodic field visits to touch base with field inspectors to ensure the projects were running smoothly.
- **Sanitary Sewer Improvements Phase 1 & 2, Hollidaysburg Sewer Authority, Blair County**  
Duties included making bi-weekly visits to the project site to touch base with field inspector to make sure things were running smoothly with the project. Also filled-in during vacancies to keep the project on schedule.
- **Sanitary Sewer System Replacement Phase 1 & 2, Southmont Borough Sanitary Sewer Authority, Cambria County**  
Study work consisted of flow monitoring and internal television inspection for defects in sanitary sewer system. Phase 1 & 2 consists of replacement of existing sanitary sewer main along with laterals to building foundations. Duties included making bi-weekly visits to the project site to touch base with field inspector to make sure things were running smoothly with the project. Also filled-in during vacancies to keep the project on schedule.



- **I & I Evaluations, Municipal Authority of the Borough of Bedford, Bedford County**  
Inflow/Infiltration study of the sanitary sewer system, including smoke testing, flow monitoring, and internal television inspection with the goal of eliminating the Borough's only remaining Combined Sewer Overflow.
- **Carson Valley Road – Area B-1-Sanitary Sewer Extension, Allegheny Township Sewer & Water Authority, Blair County**  
Oversaw inspection. Project included HOP with 425 LF boring under SR 0022 limited access highway.
- **Phase II Sanitary Sewer System Improvements – Frankstown Road, Logan Township, Blair County**  
Oversaw inspection and project management and filled-in during vacancies. Project included 3,000 LF of parallel utility construction along PennDOT roadway.
- **Hollidaysburg Water Storage and Pump Facilities, Hollidaysburg Borough, Blair County**  
Responsible for the field investigation to correct a sanitary sewer overload. Designed the project and administered it through construction.
- **Sanitary Sewer System Replacement, Gallitzin Borough Sewer Authority, Cambria County**  
Duties included making bi-weekly visits to the project site to touch base with field inspector to make sure things were running smoothly with the project. Also filled-in during vacancies to keep the project on schedule.
- **Sanitary Sewer Collection System Improvements, Logan Township, Blair County**  
\$7.7 Million sanitary sewer extension. Duties performed include making weekly site visits, progress meetings, coordination with PennDOT District 9-0, permits for utility construction.
- **Sewage Treatment Plant Expansion, Freedom Township Water & Sewer Authority, Blair County**  
Resident Project Inspector responsible for the inspection of the replacement of blowers, motor control center, main sewage pumps and controls, installation of 200,000 GPD contact stabilization treatment unit, yard piping and site work. Worked with the contractors and equipment suppliers in the start-up and placing into service of the new equipment.
- **Sanitary Sewer Expansion, Freedom Township Water & Sewer Authority, Blair County**  
Responsible for overseeing the construction of 20,000 LF sanitary sewer. Supervised three inspectors on this project.

#### **CERTIFICATIONS**

ACI Concrete Field Testing Technician - Grade I (exp. 2/11/19)

CDS NeXtGen Operator (2006)

NECEPT Bituminous Field Technician (3136, exp. 4/10/20)

NECEPT Concrete Field Technician (3136, exp. 3/27/19)

NICET/TET – Construction Level III (70409, exp. 4/1/20)

Sr. Inspector-in-Charge (Sr. IIC) Training

**EXPERIENCE RECORD – 42 Years**







West Virginia State Board of Registration  
for Professional Engineers

JOHN CHARLES CLABAUGH  
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2020



West Virginia State Board of Registration  
for Professional Engineers

LOUIS JOSEPH SEIDEL  
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2020

Commonwealth of Pennsylvania  
Department of State  
Bureau of Professional and Occupational Affairs  
FO BOX 2849 Harrisburg, PA 17105-2849

18 0061137

License Type  
Professional Engineer  
BRIAN DONALD SHURA  
[REDACTED]

License Status  
Active  
Initial License Date  
03/03/2010  
Expiration Date  
08/30/2019

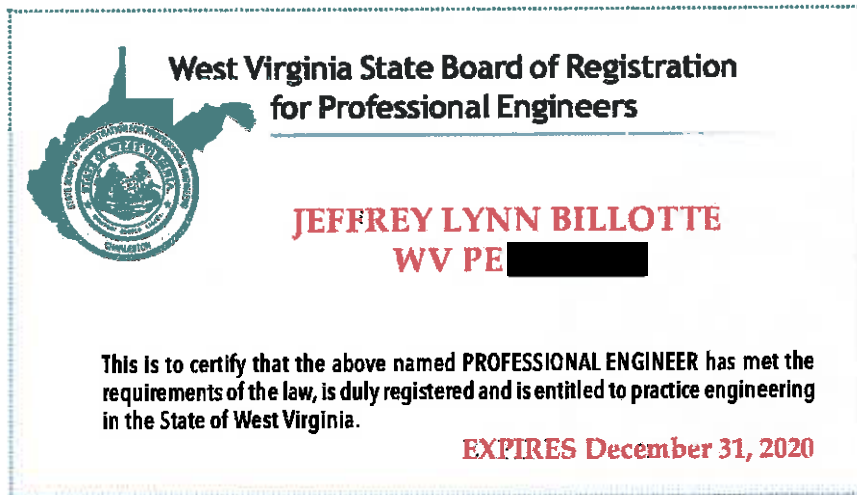
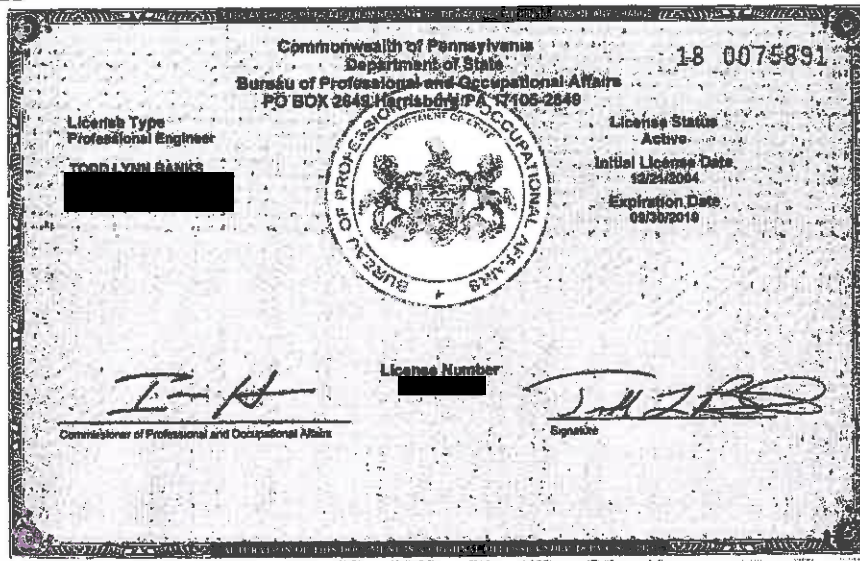
Bureau of Professional and Occupational Affairs

Commissioner of Professional and Occupational Affairs

License Number  
[REDACTED]

[Signature]







Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Expression of Interest  
 02 - Architect/Engr

Proc Folder: 544954

Doc Description: A/E Services-Canaan Valley Resort Wastewater Improvements

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-02-01	2019-02-22 13:30:00	CEOI 0310 DNR1900000001	1

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

Signature X

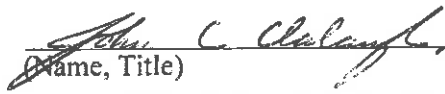
*John C. Clalough*

FEIN # 25-1616631

DATE February 19, 2019


All offers subject to all terms and conditions contained in this solicitation

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

  
\_\_\_\_\_  
(Name, Title)  
John C. Clabaugh, P.E., Sr. Project Manager/Shareholder  
\_\_\_\_\_  
(Printed Name and Title)  
1731 N. Juniata Street, Hollidaysburg, PA 16648  
\_\_\_\_\_  
(Address)  
(814) 696-6280 / (814) 696-6240  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
jclabaugh@stiffler-mcgraw.com  
\_\_\_\_\_  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Stiffler McGraw & Associates, Inc.  
\_\_\_\_\_  
(Company)

  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

John C. Clabaugh, P.E., Sr. Project Manager  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

February 19, 2019  
\_\_\_\_\_  
(Date)

(814) 696-6280 / (814) 696-6240  
\_\_\_\_\_  
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

**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.

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-26-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"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 exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Stiffier McGraw & Associates, Inc.

Authorized Signature: *John C. Claborn* Date: February 19, 2019

State of Pennsylvania

County of Blair, to-wit:

Taken, subscribed, and sworn to before me this 19<sup>th</sup> day of February, 2019.

My Commission expires August 6, 2022.

**AFFIX SEAL HERE**

NOTARY PUBLIC *Trisha M. Gerlach*

Commonwealth of Pennsylvania - Notary Seal  
Trisha M. Gerlach, Notary Public  
Blair County  
My commission expires August 6, 2022  
Commission number 1219889  
Member, Pennsylvania Association of Notaries