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GMB

ARCHITECTS / ENGINEERS



REQUEST FOR QUALIFICATIONS

## General On-Call Engineering Services



**Town of Federalsburg, Maryland**

**Presented by:**  
**George, Miles & Buhr, LLC**

**September 22, 2021**



# Table of Contents

- Letter of Interest..... 1
- Qualifications & Experience ..... 3
- Key Personnel ..... 11
- On-Call Services Approach ..... 33
- References ..... 35
- Schedule of Hourly Rates ..... 36
- Licenses & Insurance ..... 37



GEORGE, MILES & BUHR, LLC



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BALTIMORE  
SEAFORD

[www.gmbnet.com](http://www.gmbnet.com)



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September 22, 2021

Town of Federalsburg  
118 North Main Street  
P.O. Box 471  
Federalsburg, MD

Attn: Ms. Lyndsey Ryan, Town Attorney

Re: General On-Call Engineering Services RFQ

Dear Ms. Ryan:

George, Miles & Buhr, LLC (GMB) is pleased to submit our qualifications to assist the Town of Federalsburg with professional engineering services on an on-call, as needed basis.

GMB is proud to be celebrating 61 years as a Salisbury-based business, providing superior architectural and engineering services to clients locally, nationally, and internationally. Our location and local familiarity, combined with our expertise and experience with the Town of Federalsburg and similar municipalities, uniquely qualifies us for this important engineering services contract.

Our specialty is providing planning, design, contract administration and inspection services for municipal clients. GMB's professional staff expertise covers many different areas and disciplines, as demonstrated in the Qualifications & Experience section of this package. GMB has been a trusted advisor to communities throughout the Delmarva Peninsula, including Wicomico County, Caroline County, Somerset County, the City of Fruitland, the City of Salisbury, the Town of Denton, the Town of Laurel, the City of Seaford, the City of Lewes, and more. Finding and implementing the best solutions for the municipalities and agencies we partner with is our first and foremost initiative.

GMB is currently providing operational support services for the Federalsburg WWTP as well as providing consulting services related to the AquaCon Maryland LLC Salmon Production project, serving as the Town's trusted advisor and advocate. In addition, GMB was recently selected as the A/E firm to build the new Choptank Community Health Systems medical building in the Town of Federalsburg. Accordingly, GMB is well-positioned to ensure that the projects under this on-call contract are accomplished successfully.

The contract will be managed and staffed by GMB from our headquarters office in Salisbury, located at 206 West Main Street.

GMB has worked with both State and Federal agencies to assist in securing funding for municipal infrastructure projects. GMB personnel have a track record of assisting clients in negotiating millions of dollars in grant funding from MDE's Financial Assistance Programs, United States Department of Agriculture (USDA-RD) funding programs, as well as other Agencies funding assistance programs. As projects with Minority/Disadvantage Business Enterprise (MBE/DBE) requirements arise, we can assist the Town in completing the Good Faith Efforts required and GMB has successively teamed with qualified MBE/DBE sub-contractors.

In summary, GMB is an Eastern Shore-based firm with “on-call” experience, unique engineering expertise, vast construction administration and inspection capabilities, and sufficient resources to respond quickly, efficiently, and effectively to the Town’s needs.

Thank you for the opportunity to submit our qualifications. We look forward to continuing our successful working relationship with the Town and contributing to a better quality of life for its citizens.

Sincerely,



Scott W. Getchell, PO  
Director of Operational Services  
Project Manager

SWG/slh

## ABOUT GMB

George, Miles & Buhr, LLC (GMB) is **celebrating 61 years** as a premier Architectural & Engineering design firm serving the Mid-Atlantic region. Founded in 1960, GMB provides pioneering solutions that better our communities and safeguard our environment. Our headquarters is located in Salisbury, MD, and we have additional offices in Seaford, DE, and Sparks, MD. We have a comprehensive team of over 95 professional employees dedicated to producing exceptional solutions for our clients.

The list of services provided by GMB includes:

- **Consultation:** Capital Improvement Planning Assistance, State and Federal Loan/Grant Application and Administration Assistance, Proposed Land Development Preliminary, Final and Construction Phase Review, Trusted Advisor Relationships, Permit Acquisition Assistance, Asset Management Plans, Utility Rate Structures, Long Term Reserve Studies, Feasibility Studies, GIS Mapping, Preparation of Cost Estimates, Hydraulic Studies, Bid Assistance, and On-call Consultation
- **Civil / Municipal Services:** Site Design, Site Grading, Stormwater Management, Streetscapes, Pavement Design, ADA Compliant Sidewalks and Street Designs, Water & Sewer Extensions, Sustainable “Green” Design
- **Water / Wastewater Services:** Wastewater Treatment Facilities & Improvements, Sewage Collection Systems, Sewage Pumping Stations, Water Treatment Facilities & Upgrades, Wells, Water Distribution & Storage, Operational Services
- **Building Services (Architectural & Structural):** Architectural Design, Programming and Concept Design, Renovations, Structural Engineering, Marine / Waterfront Engineering, Bridge Design, LEED Buildings, Building Revitalization Services
- **Contract Administration / Construction Inspection Services:** Site observation, contract preparation, resident project representative services (RPR), requisition review, change order evaluation, punch list and final inspection, closeout documentation.

Our innovative solutions, our adaptability to change, our commitment to design within budget and time restraints, and our ability to communicate project specifics to various stakeholders have produced many outstanding projects. GMB strives to be the leader in the design and stewardship of sustainable communities in the Chesapeake Bay and Coastal environments.

We are proud to have recently been awarded a **2021 Engineering Excellence Honor Award** from the Delaware American Council of Engineering Companies (ACEC) for our Front Street/Savannah Road Water & Sewer Improvements project in Lewes, Delaware. We also received a **2019 Grand Conceptor Award** for the Gills Neck Road Wastewater Flow Diversion project in Lewes, Delaware, as well as a **2018 Engineering Excellence Honor Award** for our Highland Acres Sewer Extension project, also in Lewes. In 2018, we were voted **Best Architect in Southern Delaware** by the readers of the Metropolitan Magazine.



CONSTRUCTION SERVICES



SITE / SUSTAINABLE DESIGN



AEROSPACE SUPPORT



ARCHITECTURE



CONSULTING



CIVIL / MUNICIPAL



WATER / WASTEWATER



STRUCTURAL / MARINE



LAND DEVELOPMENT

## QUALIFICATIONS & EXPERIENCE

While GMB is a multi-disciplined A/E firm, our specialty is, and has always been providing planning, design, contract management and surveillance services for municipal clients. GMB is proud to serve as a consultant and Trusted Advisor to the following local municipalities:

### 1. CITY OF FRUITLAND, MARYLAND

GMB has been working in the City of Fruitland since the 1960's. Recent work includes:

- GMB assisted the City and Wicomico County with an **\$8 million project to bring safe drinking water to Morris Mill area residents with contaminated wells**. GMB was involved during the planning phases of this project and worked with both Federal and State Agencies to obtain the maximum amount of grant dollars to maintain affordability for residents in the project area.
- GMB also just completed an **Enhanced Nutrient Removal (ENR) Wastewater Treatment Plant Upgrade** for the City of Fruitland. With the assistance of State funding, the City implemented cutting-edge technology to achieve high quality wastewater effluent discharges, thereby improving the health of surrounding waterways.
- Work is wrapping up on the **Fruitland Water Treatment Plant and Well project**, including installation of a 16-inch diameter, 600 GPM production well with 50 HP submersible pumps drawing from the Manokin aquifer. Also included in the project scope are renovations at the existing Water Treatment Plant. The scope of work includes installation of the 4th pressure filter and **replacement of media** in the existing 3 filters. A reclaim recycle system will be installed to send settled backwash recycle water back to the head of the plant. Existing controls will be modernized along with design of updated chemical feed systems. GMB additionally provided **Construction Management & Inspection Services**.

GMB's historical work with Fruitland's infrastructure dates back to our design of the **City's interceptor sewers in 1969 and the water distribution system in 1977**.

- In 1993, GMB was selected to provide Engineering Services related to the **Biological Nutrient Removal (BNR) Upgrade and Expansion** of the Wastewater Treatment Plant.
- Since that time, we have performed the functions of the **City's Engineer**, including funding application and planning services, review of development plans and inspection of construction.
- Over the years, GMB has been involved in several **street upgrade projects** for Fruitland. Examples include South Brown Street, which was recently re-paved, and Hayward Avenue, which received a stormwater and pavement upgrade.
- GMB assisted the City with the design and completion of an **Inflow / Infiltration removal project**, which has since been featured in a prominent trade magazine and chosen as a **Top Project Winner**.



*Morris Mill Water System, Fruitland, MD*



*WWTP ENR Upgrade Fruitland, MD*



*Inflow / Infiltration Removal Project, Fruitland, MD*

## 2. TOWN OF TRAPPE, MARYLAND

GMB assists the Town of Trappe with their water and wastewater treatment challenges, as well as review of development plans and stormwater management reviews. Highlighted projects include:

- New Production Well No. 6** – GMB completed a Preliminary Engineering Report (PER) in the Spring 2017 to evaluate the Town of Trappe’s concerns with the aging wells that supply the central water system. GMB worked with State and Federal agencies on behalf of the Town to obtain funding to complete improvements on the Town’s water system. Design of the water upgrades include installation a new 170 gpm 8-inch production well. Construction of Well No. 6 will add a third dependable well to the Town’s central water system. Two (2) wells alternate operation daily and the third (3) well as a backup, in the event that a well must be taken offline.

Additional upgrades include upgrading the existing chlorine gas disinfection system to a sodium hypochlorite disinfection system, installation of a new water treatment plant building to house all chemicals and controls, upgrades to existing well houses (Well No. 4 & No. 5) and upgrading the existing control system to PLC technology to create a SCADA network between the three wells and the water tower. Design and permitting of the Trappe Well project was completed in January 2020.

GMB has been contracted to provide full construction administration and inspection services during the construction phase of this project. Construction began in the Fall of 2020 and is ongoing.

- Sewage Pumping Facilities Preliminary Engineering Report** – The Town of Trappe, MD hired GMB to evaluate the existing conditions of the town’s eight (8) sanitary sewer pumping stations and analyze potential upgrades or replacement options. The preliminary engineering report (PER) identified the conditions of the existing pumping stations, evaluated the risks associated with the conditions, and proposed upgrade alternatives for the network of sanitary sewer pumping stations. The PER analyzed the conditions of various features at each pumping station to determine suitable improvement alternatives. The evaluations included assessment of the pumps, electrical and control equipment, wet wells, discharge piping, valves, and station security. The improvement alternatives were developed to repair the various deficiencies identified for each of these facilities.

- WWTP Preliminary Engineering Report** – The Town of Trappe’s existing Wastewater Treatment Plant (WWTP) has an average day capacity of 200,000 gpd and provides secondary treatment levels. The Town is working to evaluate upgrade alternatives to the existing WWTP to meet Enhanced Nutrient Removal (ENR) treatment levels and aid in achieving the water quality goals of the Chesapeake Bay Program. The Town hired GMB in Spring of 2019 to complete a PER report for the WWTP ENR Upgrade project. GMB worked with USDA to obtain funding on behalf of the Town to complete the PER. This project is still undergoing review and GMB has continued to work with State and Federal agencies to move this project into design phase.



### 3. TOWN OF OXFORD, MARYLAND

- **Stormwater Management** – GMB assists the Town of Oxford with implementation of its Stormwater Management Ordinance, including review of development plans, inspections during construction, and as-built certifications. In addition, GMB has collaborated with the Maryland Environmental Finance Center and the National Fish and Wildlife Foundation to provide technical assistance on Oxford’s drainage infrastructure and stormwater management systems. Oxford is frequently exposed to flooding caused by tidal and rain events resulting in recurrent flooding in many areas of town. GMB has provided the Town with a **Stormwater Shoreline Infrastructure Inventory** and a **Stormwater Shoreline Master Plan**.
- **Water / Wastewater Treatment** – GMB also assists the Town of Oxford with their water and wastewater treatment challenges. GMB has been involved with the **Wastewater Treatment Plant’s ENR upgrade** from the beginning, including completing the Preliminary Engineering Report, designing the new system, permitting, bidding, construction administration, management and inspection. GMB is currently completing a Preliminary Engineering Report for the **drinking water system** that includes the Water Treatment Plant, storage towers, distribution piping and metering.

Additionally, GMB designed a **water main replacement** for Morris Street and completed the permitting and bidding as well. GMB also provides “On-Call” engineering / consulting for unexpected infrastructure & operational issues.

- **Marine Engineering** – GMB provided structural/marine engineering services to the Town for the design of a **replacement boat ramp** at the end of Tilghman Street. The design elements included all phases of marine demolition and construction and made accommodations for ADA Accessibility.



*WWTP ENR Upgrade,  
Oxford, MD*

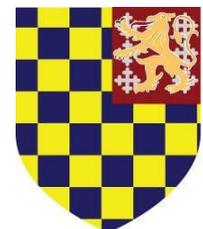


*Tilghman Street Boat  
Ramp Replacement,  
Oxford, MD*

### 4. CITY OF LEWES, DELAWARE

As City Engineer for Lewes for over 35 years, GMB has:

- Developed and maintained the **City’s Street Inventory & Maintenance Schedule**
- Completed and updated the Board of Public Works (BPW) **Sanitary Sewer Study**, Impact Fee Analysis, and wastewater service determination; assisted the BPW in extending sanitary sewer service to previously unserved areas that relied on on-site septic systems.
- Created the BPW **water system model** and completed its **Water Supply and Storage Study**; extended water service to existing and new developments not previously served by a public water system. Finalized the BPW Water Treatment Facility Quality Assurance/Quality Control study.
- Designed numerous **street and utility rehabilitations** including porous asphalt sustainable streets
- Designed the BPW’s **award-winning wastewater treatment facility upgrade** utilizing membrane bioreactor (MBR), and membrane solids handling, technologies
- Participated on the City’s **Mitigation Planning Committee**. GMB has assisted the City with stormwater and flooding challenges, including sea-level rise vulnerability assessments. **W. Cedar Avenue Flood Mitigation Study** is our latest effort for the City.



*Sussex Drive  
Revitalization, Lewes, DE*

GMB has won multiple American Council of Engineering Companies (ACEC) of Delaware Engineering Excellence Awards for Lewes projects, including a **2021 Conceptor Award** for the Front Street and Savannah Road Water & Sewer Improvements project, a **2019 Grand Conceptor Award** for the Gills Neck Road Wastewater Flow Diversion project, a 2018 Honor Award for the Highland Acres Sewer Extension project, a 2017 Honor Award for the Lewes Beachside & Cityside Streets Rehabilitation project, and a 2009 Grand Conceptor Award for the upgrade and expansion of the Howard H. Seymour Water Reclamation Plant.



*Accepting the 2021 ACEC Delaware Conceptor Award*

## 5. CITY OF SALISBURY, MARYLAND

GMB has served the City of Salisbury under several open-end contracts; one for on-call Stormwater Management Support and one for Architectural/Engineering (A/E) Team Professional Services.



- In 2016, the City of Salisbury selected GMB to assist with **stormwater project planning and design**, construction administration and inspection, grant writing, and permit compliance associated with the City of Salisbury’s portions of the Wicomico County Watershed Implementation Plan (WIP).
- In 2017, the City selected GMB to provide rapid responsive “**on-call**” **task-oriented** expertise over a wide spectrum of infrastructure and development projects. This on-call served as a vehicle for the City to proceed expeditiously on small scale projects that often could be strung out due to a traditional solicitation process. Projects under this contract included a **Parking Garage Façade Revitalization**, design of a new **Town Square**, and a **conditions survey** of the Fritz Health Building.
- GMB has also provided engineering support for the City’s **Wastewater Treatment Plant** and completed many **pump station** and **water treatment** projects. Additionally, our Structural/Marine Engineering group completed repairs of the **Salisbury Riverwalk**.



*Salisbury Parking Garage Façade Improvements, Salisbury, MD*



*Salisbury Riverwalk Repairs*



*Hampshire Road Pump Station Construction Administration & Inspection (CM&I) Services, Salisbury, MD*

## 6. TOWN OF LAUREL, DELAWARE



As the Town Engineer for Laurel since 2002, GMB is responsible for **site plan review** for proposed development within the Town as well as **on-call consulting services** related to the Town's infrastructure goals. These services include **SRF funding application assistance, standard utility and street specifications and details**, street rehabilitation, street and drainage improvements, meeting BMPs, water and sewer extensions, water system modeling, water distribution system improvements, water treatment system improvements for iron and manganese removal, pH adjustment, production well designs, pump station design, and the **wastewater treatment facility upgrade and expansion**.

Recent significant projects in the Town of Laurel include:

- Rt. 13 Highway Corridor Water & Sewer Extension Project Phase 1** – Included a new regional pump station and a 500,000-gallon elevated water storage tank. In addition, the project comprised of 6,030 ft. gravity sewer, extension of 9,360 ft. water main, 4,460 ft. of 8-inch force main, and installation of a low-pressure sewer system. Funding for this nearly \$6M project was attained through pursuing grant and loan assistance from USDA Rural Development (RD) with GMB's assistance.
- Rt. 13 Highway Corridor Water & Sewer Extension Project Phase 2** – Project consisted of a new 525 gpm production well and a 1,000 GPM Water Treatment Facility. In addition, the Town's water distribution and gravity sewer collection system was extended to the Route 13 / Discount Land Road intersection to provide economic growth to the Town. The Water Treatment Facility (WTF) was designed for iron removal for a system design flow of 1,000 GPM utilizing three (3), ten (10) ft. diameter pressure filters. GMB provided funding assistance, preliminary planning, full engineering services, full contract administration and contract inspection services, start-up services and 1st year services for both phases of this project.



*500,000 Gallon Elevated Water Storage Tank, Laurel, DE*



*Well No. 7 Replacement & Water Treatment Plant Upgrades, Laurel, DE*

- Well No. 7 Replacement & Water Treatment Plant Upgrades** – Engineering services for the design, bidding, CA, and inspection of a new well and filter expansion at the Town of Laurel's Water Treatment Plant and well field.

- Dunbar Building Stormwater Management Retrofit "Green" Design** – GMB developed a concept plan which received Grant funding from the Chesapeake Bay Trust (CBT) Green Streets, Green Jobs, and Green Towns (G3) Program. The primary goals of this project are to provide an environmentally beneficial, aesthetically pleasing site design that optimizes use of the Dunbar Building property and becomes an asset to the surrounding community. The SWM Best Management Practices (BMP) design will address any existing drainage issues and reduce pollutants generated from on-site impervious area's stormwater runoff, improving the Broad Creek watershed's overall ecosystem.



*ENR Wastewater Treatment Plant Upgrade & Expansion, Laurel, DE*

## 7. TOWN OF DENTON, MARYLAND

GMB has served the Town of Denton since 1990. Highlighted projects include:

- GMB completed a **Master Stormwater Report** for the Town of Denton that included improvement recommendations for several areas throughout the town. The report was funded by the National Fish and Wildlife Foundation through a grant secured with the assistance of GMB. This report is currently being used in infrastructure improvement funding applications that GMB is assisting the Town with.



*ENR WWTP, Denton, MD*

- GMB assists the Town of Denton with their water and wastewater treatment challenges. GMB has been involved with the **Wastewater Treatment Plant's Disinfection & Systems Upgrade** project from the beginning, including completing the Preliminary Engineering Report, designing the upgrades, permitting, bidding and are now in the construction administration, management and inspection phases of the project.

- In addition to the infrastructure improvement projects, GMB provides **"On-Call" engineering and consulting** for unexpected infrastructure and operational issues.

## 8. TOWN OF ROCK HALL, MARYLAND

GMB has been providing assistance to the Town of Rock Hall since 2018 which started with the development of a Preliminary Engineering Report (PER) for a Wastewater Treatment Plant ENR Upgrade. In late 2019 GMB was selected to provide On-Call Engineering and Consulting Services which includes:



- **Preparation of MDE funding application** for replacing/upgrading water meters.
- **Water Meter System Upgrade:** Included design, bidding, contract administration, and inspection.
- **WWTP Fine Screen Replacement:** Provide engineering services associated with the replacement of one of the wastewater treatment plant's fine screens to include review and recommendation for screening equipment options, design of changes necessary to facilitate installation, preparation of installation documents/bid package for use in soliciting proposals, and recommendation of award.
- **Water Treatment System PER-ER:** Provide engineering services to complete a Preliminary Engineering Report (PER) for the evaluation of improvements for Rock Hall's water facilities.
- **Town Hall Building Repair:** Attend site visit to Town Hall to observe and document needed repairs sustained from water damage and deterioration. Provide a written report indicating observations and general recommendations for repairs, including budgetary estimations for recommended repairs.



*Rock Hall, MD Water Facilities  
Preliminary Engineering Report (PER)*

## 9. TOWN OF MILLVILLE, DELAWARE

GMB has been a Trusted Advisor providing architectural and engineering service for the Town of Millville since 2015. **Constant communication** with Town staff keeps projects moving forward, via various channels including email, telephone and in-person meetings. We serve as a liaison for Town staff with developers who are pursuing projects in Town. In addition to **site plan review for development projects**, we completed several notable building projects on behalf of the Town.



- 2017 saw GMB design and oversee construction of a 2-story 5,142 SF addition to the **Millville Municipal Town Hall**. The addition houses three garage bays, toilet room and two interview rooms on the first floor and two bunk rooms, full bathroom, kitchenette and 31-seat classroom for the Delaware State Police on the second floor.



- In 2020, construction was completed for **Evans Park at Millville**, which includes a pavilion and community center, playground with large play structures for children of all ages, as well as recreation courses for older children and adults, and bocce and pickleball courts. Site work involved two DeDOT entrances, a 45-space stone and concrete parking lot, drive aisles, site grading, paver plaza, sidewalks, asphalt track, stormwater piping and inlets, stormwater detention pond, site utilities, and lighting. Selection of the park equipment and play surfaces was coordinated with the manufacturer.



*Evans Park at Millville, DE*



*Land Development Plan Review Services*

## KEY PERSONNEL

George, Miles & Buhr, LLC (GMB) offers the Town of Federalsburg:

- ❖ **Strong dedication** to making the Town's projects successful
- ❖ **Rapid response** service
- ❖ Expertise in **Municipal Engineering**
- ❖ Close **relationships** with regulators & permitting agencies
- ❖ **Experience with on-call services** for similar municipalities
- ❖ Core values of **Integrity, Commitment, Excellence, & Teamwork**
- ❖ **Dependability** – evidenced by our **61 years** in business
- ❖ **Innovative solutions** & adaptability to change
- ❖ Commitment to design within **budget & time restraints**
- ❖ Leadership in advancing **sustainable communities**
- ❖ Staff of **95+ qualified professionals** ready to serve the Town
- ❖ We **love** what we do!

**GMB has successfully served multiple Maryland municipalities over the past six decades and has developed reliable processes to facilitate project success.**

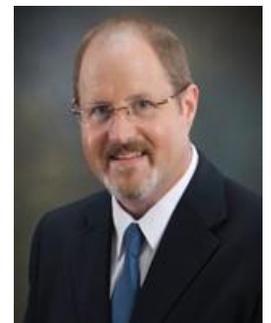
We know the **secret to success** in Municipal Engineering is developing the client/consultant Trusted Advisor relationship. Developing solutions to complex problems is easier working with someone you like and trust. We desire to reach the level where both sides are eager to speak to one another as a resource and as a helpful hand.



### Town's Point of Contact

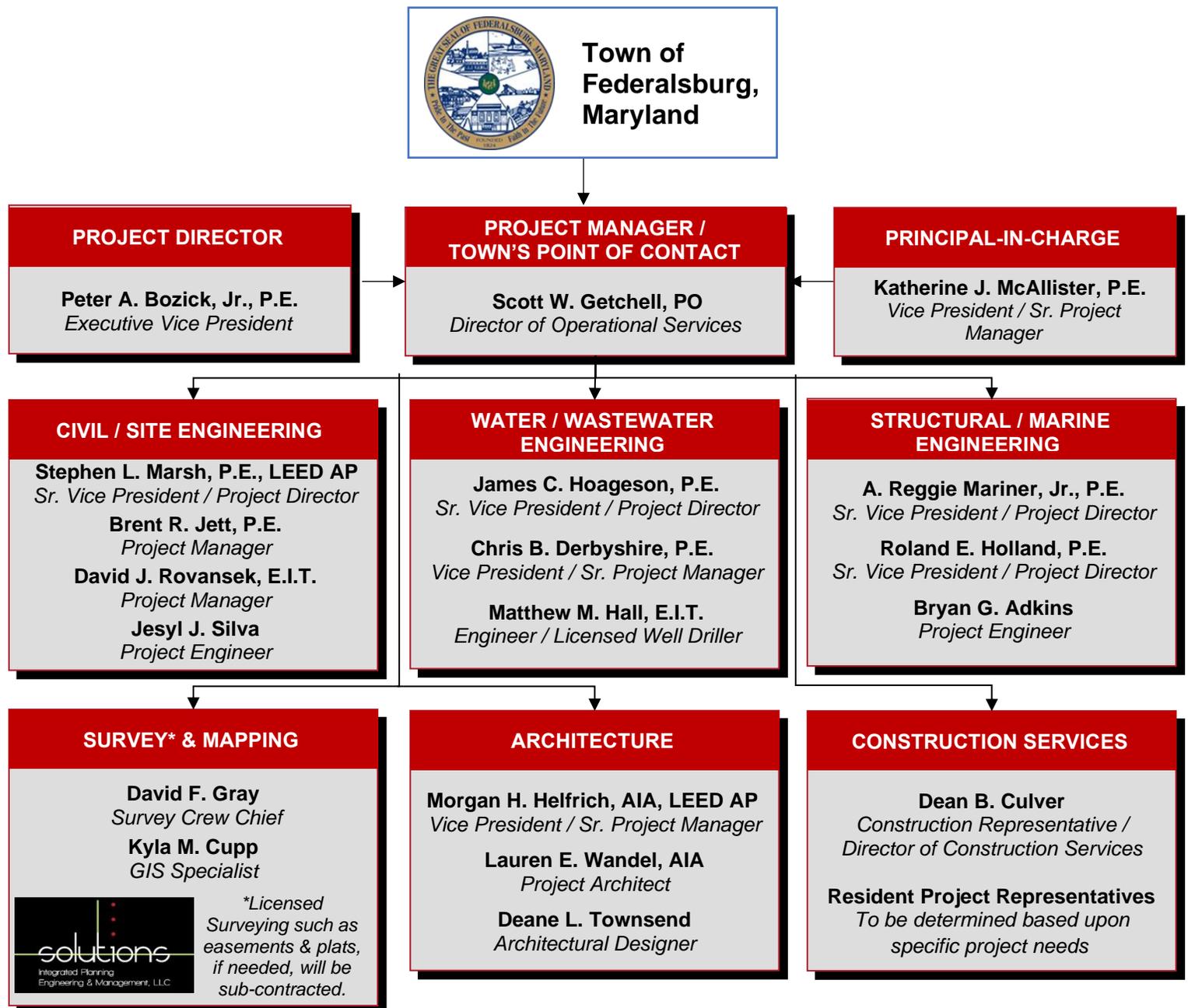
**SCOTT W. GETCHELL, PO** will serve as the Town's Point of Contact for on-call engineering projects. Scott joined GMB's Water/Wastewater Group in 2014 as the Director of Operational Services, focusing on the operations and maintenance of municipal projects. Scott earned a Professional Operator (PO) designation from the Certification Commission for Environmental Professionals (C<sub>2</sub>EP) and holds several water and wastewater licenses in the State of Maryland.

As a Sr. Project Manager, he assists municipal clients with administrative challenges such as state and federal permitting, capital improvement and corrective action planning, engineering studies, and USDA, MDE and CDBG grant and loan applications. He provides guidance with respect to planning, design, startup, operation, maintenance, and optimization of municipal water and wastewater facilities. He also provides technical assistance to water and wastewater plant operators. In addition to operational services, Mr. Getchell manages engineering projects including design, bidding and construction administrative services.



## ORGANIZATIONAL CHART OF PROPOSED TEAM

GMB has assembled an exceptional project team to best serve the needs of the Town of Federalsburg for the On-Call Engineering Services contract. Each individual is well-qualified for the Town's projects and can begin work as soon as requested.



## SCOTT W. GETCHELL, PO

Town's Point of Contact / Operations Specialist

Mr. Getchell joined GMB in 2014 as Director of Operational Services. Operational Services is part of the firm's Water / Wastewater Group, focusing on the operations and maintenance of municipal projects. He assists municipal clients with administrative challenges such as state and federal permitting, capital improvement and corrective action planning, engineering studies, and USDA, MDE and CDBG grant and loan applications. He provides guidance with respect to planning, design, startup, operation, maintenance, and optimization of municipal water and wastewater facilities. He also provides technical assistance to water and wastewater plant operators. In addition to operational services, Mr. Getchell manages engineering projects including design, bidding and construction administrative services.

Mr. Getchell earned a Professional Operator (PO) designation from the Certification Commission for Environmental Professionals (C<sub>2</sub>EP) and holds several water and wastewater licenses in the State of Maryland. His career focus for over the past 35 years has been the public works industry, including 14 years as Director of Public Works & Utilities for the Town of Denton, Maryland. Prior work experience includes the Queen Anne's Co. Sanitary District as a Utility Technician for 4 years and the Maryland Environmental Service as an Environmental Systems Supervisor for 11 years. Since 2007, Mr. Getchell has been actively involved with the Maryland Center for Environmental Training (MCET) providing technical assistance with planning, design, construction, startup, and operations of water and wastewater facilities throughout Maryland. As part of MCET, Mr. Getchell has instructed MDE approved classroom training for operators in six local states.

### Relevant Project Experience Includes:

- **Rock Hall WWTP Fine Screen Replacement, Rock Hall, MD** – Project Manager for the replacement of one of the wastewater treatment plant's fine screens to include review and recommendation for screening equipment options, design of changes necessary to facilitate installation, preparation of installation documents/bid package for use in soliciting proposals, and recommendation of award.
- **Town of Trappe Well 6 PER, Trappe, MD** – Engineering services included evaluating the water system, which consists of two existing wells and one elevated storage tank, to develop a preliminary engineering report detailing the installation of a new well and various recommended improvements.
- **Town of Delmar On-Call, Delmar, MD** - Provide technical assistance as requested to assist in correcting matters related to the operations of the water and wastewater treatment systems, specifically the Monthly Operating Reports and the Discharge Monitoring Reports.
- **Denton WWTP Disinfection and Systems Upgrade, Denton, MD** – Engineering services included preliminary engineering report, design, bidding, construction management and inspection of a new UV disinfection system, liner replacement in Biolac Basin #2, headworks upgrades and various control upgrades for a 0.800 MGD wastewater treatment facility.
- **Town of Laurel Well 4 Nitrate Removal, Laurel, DE** - Engineering design, contract administration, inspection, and start-up services assistance to reduce the nitrate level at Well No. 4 to within drinking water standards.
- **Willards New Production Well, Willards, MD** - The new well has the motor control and generator at the well site. At the plant there is a flowmeter and associated SCADA modification for the chemical feed and filter control.
- **Town of Oxford WWTP ENR Upgrade, Oxford, MD** - Provide professional engineering services for the Design, Bid and Construction Administration of a 150,000 gallons per day Enhanced Nutrient Removal (ENR) Wastewater Treatment Plant.



### RESPONSIBILITIES

Director of Operational Services  
Project Manager

### GROUP

Water / Wastewater, Salisbury

### CERTIFICATIONS

C<sub>2</sub>EP Professional Operator  
Wastewater Treatment 2016

#### MD Water Treatment

Operator T1 – 1991  
Operator T4 – 2016  
Superintendent T1 – 1998

#### MD Wastewater Treatment

Operator W1 – 1990  
Operator W5 – 2001  
Operator WA – 2002  
Superintendent W1 – 1998  
Superintendent W5 – 2001  
Superintendent WA – 2002

MD Fire & Rescue Institute 1984

MD Erosion & Sediment Control  
2001

MD Roadside Tree Expert 2010

MD Notary Public 2010

DLS PC Technician 1999

### ORGANIZATIONS

Water & Waste Operators Assoc.  
of MD, DE & DC (WWOA)

MD Rural Water Association

DE Rural Water Association

County Engineers Association of  
MD

Denton Utility Commission

### AWARDS

MD Rural Water Association  
Wastewater Operator of the Year  
2001

USEPA Operations Excellence  
Award 2005

**PETER A. BOZICK, JR., P.E., BCEE**

Project Director / Executive Vice President

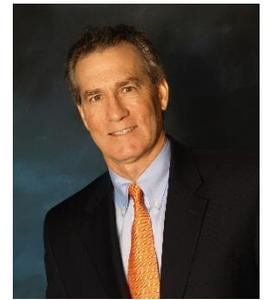
Pete Bozick has worked at George, Miles & Buhr since 1974. His responsibilities have included the preparation of plans, specifications and the contract administration for various wastewater collection and treatment facilities which use conventional as well as advanced treatment technologies. His educational background and expertise include the areas of ocean engineering, biosolids treatment/disposal, as well as spray irrigation land treatment.

Mr. Bozick has written numerous reports and studies including EPA Wastewater Facilities Plans, Environmental Assessments, Cost-Effectiveness Studies, Effluent and Sludge Disposal Analysis, Infiltration/Inflow Analysis, Operation and Maintenance Manuals, User Charge Systems, Feasibility Studies and Sewer Use Regulations. Mr. Bozick has participated in Value Engineering workshops for major sewer projects and also has provided expert witness deposition testimony. Mr. Bozick was a reviewer on the Water Pollution Control Federation Task Force which produced the "Sludge Thickening" and "Sludge Dewatering" Manuals of Practice. He was a member of a technical panel for the State of Maryland responsible for review of the State of Maryland "Design Guidelines for Land Treatment of Domestic Wastewater". He has served as an instructor for the Wastewater Operators Course at Wor-Wic Tech Community College.

In 2013, Mr. Bozick became a Board-Certified Environmental Engineer (BCEE) in the specialty of Water Supply & Wastewater. This certification, issued by the American Academy of Environmental Engineers and Scientists (AAEES), recognizes the top 4% of environmental engineering experts.

**Project Experience Includes:**

- **Wicomico County Water and Sewer Master Plan**, *Wicomico County, MD* – Project Director for the Wicomico County Water & Sewer Master Plan, which is currently being developed to inform and guide the County to plan and implement appropriate infrastructure for the residents not currently connected to centralized water and sewer systems provided by municipalities. This Master Plan will look 50 to 100 years into the future, to project population and housing growth in accordance with currently established zoning categories, land-use plan and comprehensive plan. The Master Plan will outline the formation of a quasi-independent authority, under governmental control, with expertise on providing water and sewer utility service.
- **Fruitland WWTP - ENR Upgrade**, *Wicomico County, MD* - Design and permitting to upgrade a 0.8 mgd BNR wastewater treatment facility to achieve ENR treatment levels using a Denitrification Filter. Additional work involves improvements to the aerobic digesters. Overall Cost: \$7,800,000
- **Northeast Interceptor Sewer & Pump Station No. 3**, *Fruitland, MD* - Assisted the City of Fruitland with the design of a new wastewater collection system in the Northeast Interceptor sewershed. The work consisted of the design of a wastewater collection system including approximately 6,150 LF of 8" and 10" gravity collection sewers and 8" sewage force main pipeline, approximately 4,865 LF of 8" and 12" water main, and one duplex submersible type wastewater pump station. Overall project cost: \$1,965,500.
- **Morris Mill Water System**, *Wicomico County, Maryland* - Preliminary Engineering Report and Environmental Report to secure needed funding to construct a water distribution system and elevated water storage tank to service an area where residential wells have been contaminated with TCE (a dry-cleaning solvent). The system will include 6-inch through 12-inch water mains, hydrants for fire protection and a 500,000 elevated water storage tank. Overall project cost is: \$8,000,000

**RESPONSIBILITIES**

Executive Vice President  
Project Director

**EDUCATION**

University of Maine, 1975  
Master of Science  
Sanitary Engineering

Duke University, 1973  
Bachelor of Science  
Civil Engineering

**REGISTRATION**

Professional Engineer  
Maryland – no. 11568  
Delaware – no. 5317  
Virginia – no. 014275

BCEE, 2013

**ORGANIZATIONS**

ACEC of Maryland  
Water Environment  
Federation  
American Water Works  
Association  
Wicomico Creekwatchers  
American Academy of  
Environmental  
Engineers & Scientists

## KATHERINE J. McALLISTER, P.E.

Principal-in-Charge / Vice President

Ms. McAllister joined GMB's Water/Wastewater Engineering Group in 2005 and was promoted to a Member (Vice President) of the firm in 2016. As a Sr. Project Manager in the Salisbury office, she has extensive knowledge of municipal public works, funding agency requirements, planning studies, rate structures and grant writing, as well as strong technical skills. She has experience with well and water treatment plant processes, water distribution systems, wastewater treatment processes, sanitary sewer system designs, hydraulic modeling, as well as road designs.

Katherine also chairs GMB Scholarship activities, is President of the Fruitland Chamber, and is a Board member of the Sunrise Rotary Club in Salisbury. In 2015, Katherine was featured in Water & Wastes Digest magazine in a special section highlighting young water professionals as "Ones to Watch".



### Relevant Project Experience Includes:

- **Town of Trappe Production Well No. 6, Trappe, MD** – Completed a Preliminary Engineering Report (PER) in Spring 2017 to evaluate the Town of Trappe's concerns with the aging wells that supply the central water system. Design of the water upgrades include installation a new 170 gpm 8-inch production well. Additionally, the project includes upgrading the existing chlorine gas disinfection system to a sodium hypochlorite disinfection system, installation of a new water treatment plant building to house all chemicals and controls, upgrades to existing well houses, and upgrading the existing control system to PLC technology to create a SCADA network between the three wells and the water tower. Design and permitting of the Trappe Well project was completed in January 2020. Currently overseeing construction administration and inspection services.
- **Salisbury Airport Water Main Extension, Salisbury, MD** – Project Manager. Design, bidding, and construction administration services associated with a water extension to provide municipal water supply to the Salisbury Regional Airport.
- **Morris Mill Water Distribution System, Wicomico County, MD.**: Project Manager - Preliminary Engineering Report, Environmental Report, Design, and Construction Administration to construct a water distribution system and elevated water storage tank to service an area where residential wells were contaminated with TCE (a dry cleaning solvent). GMB worked closely with both State and Federal agencies to secure \$6 million in grant dollars for the project. The system includes water mains, hydrants for fire protection and a 500,000 elevated water storage tank. Overall project cost is: \$8,000,000. Completed in 2017.
- **Fruitland Water Treatment Plant & Well Project, Fruitland, MD** - Design and preparation of plans and specifications for the Fruitland WTP and Well Project. The work consists of installation of one test well and one observation well, along with an aquifer pumping test. This was followed by design of a 16-inch diameter, 500 GPM production well with 50 HP submersible pumps. Renovations at the Water Treatment Plant include installation of a 4<sup>th</sup> pressure filter for iron removal and replacement of media in the existing 3 filters. Existing controls will be modernized along with design of a recycle backwash tank and pump system and updated chemical feed systems.
- **Showell School Water & Sewer Connection, Worcester County, MD** – Design of a sewer and water connection from the Showell Elementary School to the existing Ocean Pines system. The water design consisted of installing approximately 4,900 ft. of water main via open cut and directional drill. Hydrants and associated gate valves were installed along the length of the water main. The sewer design included design of a sewage pump station located on the school property, force main and gravity sewer from the elementary school to the onsite pump station.

### RESPONSIBILITIES

Vice President, Sr. Project Manager

### LOCATION

Water/Wastewater Group  
Salisbury, MD Office

### EDUCATION

Lehigh University 2005  
Bachelor of Science  
Environmental Engineering

Salisbury University 2009  
Master in Business  
Administration

### REGISTRATION

Professional Engineer  
MD-31298  
DE-21875  
VA- 0402058926

### ORGANIZATIONS

Salisbury Sunrise Rotary  
Fruitland Chamber

## JAMES C. HOAGESON, P.E.

Water / Wastewater Engineer – Sr. Vice President

James Hoageson is a Sr. Vice President in the firm and serves as the Civil / Municipal Group Leader. He has 27 years of experience in project planning, funding, design, contract administration, and project closeout. Jim is familiar with municipal infrastructure, including water distribution systems, production wells, water treatment systems, sewage collection and transmission systems, and wastewater treatment systems. Jim recently completed a \$13.6 million water and wastewater project with the Town of Laurel, DE which was fully funded by USDA. Jim was involved from project conception through project close-out and was instrumental in coordinating with various state and federal funding agencies.



### Relevant Project Experience Includes:

- **Fairlee Water Treatment Plant Clariflocculator Replacement, Kent County, MD**  
Oversaw the design of a replacement Flocculating Tube Clarifier (Clariflocculator) in the Fairlee Water Treatment Plant in Kent County, Maryland. Project includes modifying the concrete slab in the existing building to support the load of the proposed Clariflocculator unit, connection of the new Clariflocculator unit to the existing underground effluent piping, extension of the existing influent piping, electrical modifications to facilitate startup and operation of the new Clariflocculator while the existing unit remains in service, and demolition of the existing Clariflocculator unit.
- **Morris Mill Water Distribution System, Wicomico County, MD** - Project included Preliminary Engineering Report, Environmental Report, Design, and Construction Administration to construct a water distribution system and elevated water storage tank to service an area where residential wells were contaminated with TCE (a dry cleaning solvent). The system includes 6-inch through 12-inch water mains, hydrants for fire protection and a 500,000 elevated water storage tank. Overall project cost was: \$8,000,000
- **Route 13 Water & Sewer Extension – Phase 2, Laurel, DE** - Project involved the design, bidding, and contract administration efforts for the installation of 3,300 ft. of water main, 2,000 ft. of gravity sewer, 1,000 ft. of force main, 690 ft. of jack and bores, new well, new water treatment plant, and pump station upgrade. Construction was completed in 2017 for a cost of \$4.6 million.
- **Laurel Well No. 4 Replacement PER/ER, Laurel, DE** - The Preliminary Engineering Report (PER) and Environmental Report (ER) were undertaken by GMB for the Town of Laurel, DE. They evaluate the existing concerns with contamination and low water quality in the two (2) existing wells that supply the Town's central water system. The reports provide recommendations to provide a long-term solution to replace a failing well within the Town of Laurel.
- **Showell School Water & Sewer Connection, Worcester County, MD** - Project Manager for a sewer and water connection from the Showell Elementary School to the existing Ocean Pines system. The water design consisted of installing approximately 4,900 ft. of water main via open cut and directional drill. The sewer design included design of a sewage pump station located on the school property, force main and gravity sewer from the elementary school to the onsite pump station.
- **Milton Wastewater Treatment Plant, Milton, DE** – Assisted Tidewater Utilities Inc. (TUI) with evaluation of the existing Milton WWTP, as well as planning and preliminary engineering for its replacement with a new facility located on Sam Lucas Road in Milton, Delaware. The new facility is to have a nominal design capacity of 0.35 million gallons per day (MGD) and will be capable of achieving treatment levels equivalent to industry standards associated with Biological Nutrient Removal (BNR). The facility will utilize Membrane Bioreactor (MBR) technology as the means for activated sludge treatment. GMB's planning level construction cost estimate for the facility is \$8.8M. This project is currently in design.

### RESPONSIBILITIES

Sr. Vice President  
Group Leader:  
Civil / Municipal Engineering

### GROUP

Civil / Municipal, Salisbury

### EDUCATION

Clemson University, 1994  
Bachelor of Science  
Civil Engineering

### REGISTRATION

Professional Engineer  
DE-11562. MD-25047

## STEPHEN L. MARSH, P.E., LEED® AP, CPSWQ

Stormwater / Civil-Site Engineer

Steve Marsh joined the firm of George, Miles & Buhr in August of 1994. He has served as a Project Engineer and Project Manager on a variety of projects including studies, design and contract administration. Engineering projects include storm sewer and stormwater management studies and design, sanitary sewer systems and wastewater treatment. Hydraulic and hydrologic modeling capabilities include TR-55, TR-20, HEC-RAS, HydroCAD and StormCAD, among others. In 2008 Mr. Marsh acquired his LEED® AP certification, which provides a thorough understanding of green building practices and principles. In 2013, he became a **Certified Professional in Storm Water Quality (CPSWQ)**. As a CPSWQ, he is recognized by his peers as a specialist in computing, analyzing, and evaluating storm water quality.

Mr. Marsh is a frequent guest lecturer at both Salisbury University and Morgan State University where he lectures about water quality in the Chesapeake Bay.

### Relevant Project Experience Includes:

- **SWM Best Management Practices (BMP) Feasibility Study, Ocean City, MD.** The primary focus of the study was to provide the Town of Ocean City with cost-effective BMP retrofit recommendations aimed at reducing primary pollutants such as trash, nutrients, metals, sediment and oils from entering the Town's receiving waters through existing storm drain networks.
- **Betterton Stormwater Management Retrofit, Betterton, MD:** Main Street Outfall Phase 1 - Includes a bio-retention area in front of Betterton Town Hall, a stormwater step pool conveyance and a parking lot of permeable pavers that will serve as the cover for an engineered subsurface reservoir with recharge or infiltration beds for the surrounding urban watershed. This project focuses on the sub-watershed that impacts Betterton's public beach and will treat runoff from 13 acres. This project is being funded by a grant from the National Fish and Wildlife Foundation.
- **Oxford Flood Study, Oxford, Maryland:** Part of a team to address flooding problems within the Town. GMB evaluated LiDAR data with the help of the Eastern Shore Regional GIS Cooperative, and prepared sea level rise maps. GMB presented a discussion on stormwater issues with a focus on the potential impact of sea level rise for dry and wet weather flooding. GMB assisted the Environmental Finance Center with the final report, which evaluated drainage and flood control project alternatives, with special consideration to potential sea level rise, and prepared cost estimates. Assisted with grant applications to NFWF and the University of Maryland Environmental Finance Center.
- **UMES Hazard Mitigation Plan, Princess Anne, Maryland.** Evaluated the likelihood of threat to the University from hazards and devised an action plan to reduce the impact of those threats. A significant portion of the consulting effort was a HEC-RAS analysis to evaluate the limits of flooding during severe rainfall events. Proposed revisions to the BFE and FIRM maps were presented. LiDAR data was used in conjunction with the HAZUS model and HEC-RAS results to map flood depths.
- **Washington Street Flood Control & Stormwater Management Retrofits, Seaford, Delaware:** Project Manager for a new storm drain system consisting of approximately 3,549 LF of new stormwater piping ranging in sizes from 15" to 36". In conjunction with the new stormwater piping system, GMB designed several "green infrastructure" improvements to improve the water quality in stormwater runoff to the Nanticoke River.



### RESPONSIBILITIES

Sr. Vice President / Group Leader / Project Director

### GROUP

Site / Sustainable Design, Salisbury

### EDUCATION

University of Virginia, 1992  
Bachelor of Science  
Civil Engineering

University of Virginia, 1996  
Master of Science  
Civil Engineering  
Concentration in Hydrology/  
Stormwater Management

Virginia Tech  
Post Graduate Course Work –  
Analysis of Water Resources  
Systems

### REGISTRATION

Professional Engineer  
MD-22749. DE-11490.  
VA-032841

Certified Professional in  
Stormwater Quality, 2012

LEED® AP Certification, 2008

## A. REGGIE MARINER, JR., P.E.

Structural Engineer – Sr. Vice President

Mr. Mariner joined the firm of George, Miles & Buhr in August of 1992. Prior to joining the firm, Mr. Mariner gained hands-on construction experience on a variety of projects including multi-story hotels, condominiums, and light commercial buildings. While at Clemson University, Mr. Mariner worked on several special projects in the Structural Engineering Department, including evaluation of a timber-graphite composite bridge deck and concrete construction research. Mr. Mariner has continued to expand his expertise in structural engineering at George, Miles & Buhr, where he has been in charge of structural design for numerous projects. Mr. Mariner has performed condition surveys of concrete structures, as well as design and specify repairs per American Concrete Institute standards. Mr. Mariner has engineered a variety of facilities for waterborne activities, including marinas, boat ramps, bulkheading, shoreline protection, hydraulic studies and dredging.

### Relevant Experience Includes:

- **Betterton Shoreline Erosion Mitigation, Betterton, MD:** The project area includes approximately 1,100 linear feet of existing deteriorated shoreline along Bayside Boulevard in Betterton, Maryland. Information gathering was paramount. First, we began with the various surveys needed, including property lines, wetland delineation, existing topography and bathymetry. Second, we contacted the necessary permitting agencies to begin the dialogue needed to properly design the project. Design methods considered include pre-cast concrete gravity wall, stone revetment, bulkheading, and stepped earth walls.
- **Tilghman Street Boat Ramp Replacement, Oxford, MD:** Designed a replacement boat ramp relocated approximately 50' to the left of the existing. Flank walls were installed and capped with wood catwalks. A deck was installed over the exiting boat ramp for the public's use.
- **Wicomico County Historic Courthouse Restoration, Salisbury, MD -** Study and design for an Exterior Restoration of the historic Wicomico County Courthouse located at 101 North Division Street, Salisbury, Maryland. The existing facility, built in 1878, is a three-story Victorian style business office building with a partial basement level. The existing Building Envelope had severe water infiltration problems.
- **Chesapeake Bay Maritime Museum Bulkhead Repairs, St. Michael's, MD:** This project included approximately 675 linear feet of bulkhead and a finger pier replacement, designed in accordance with the requirements of the Town's Waterways Management Ordinance. The project also includes the replacement of the existing marine electric service and installation of three additional water hydrants.
- **Medical Office Building for Choptank Community Health System, Denton, MD –** Structural design of a new 21,000 square foot medical office building located on a 5.5-acre parcel of land at 808 South 5th Avenue in Denton, Maryland. The new facility includes exam rooms for multiple medical providers, as well as one dental provider, administrative offices, reception and waiting spaces, work-up and sterilization rooms, exterior drive-through canopies, and related staff and support areas. Construction was completed in 2019 for \$5.75 million.
- **Seawall Improvements at Choptank River Waterfront, Cambridge, MD:** performed engineering design and consulting services to the City of Cambridge for development of an in-depth report and implementation plan to improve the resiliency of seawalls located along the waterfront in the West End district along the Choptank River. Prepared a conditions report summarizing our findings with repair recommendations, including cost and time estimates. Design of the improvements is ongoing.



### RESPONSIBILITIES

Sr. Vice President  
Structural / Marine Group  
Leader

### GROUP

Structural / Marine, Salisbury

### EDUCATION

Clemson University, 1992  
Bachelor of Science  
Civil Engineering

Charleston Southern  
University, 1989  
Bachelor of Science  
Computer Science

### REGISTRATION

Professional Engineer  
MD-22748, DE-11374,  
VA-032203, PA-PE062707  
GA-PE032466, NC-PE33460  
DC-PE0904678, NCEES-  
23513

### ORGANIZATIONS

American Society of Civil  
Engineers (ASCE)  
American Concrete Institute  
(ACI)  
Tau Beta Pi

**CHRISTOPHER B. DERBYSHIRE, P.E.**

Water / Wastewater Engineer – Vice President

Mr. Derbyshire joined the firm of George, Miles & Buhr in May of 2002. He currently serves as Group Leader of the Water/Wastewater Group in the Salisbury office. Mr. Derbyshire's primary interests are in planning, managing, designing, and constructing water and wastewater treatment facilities. He has a thorough working knowledge of wastewater treatment process technology including Enhanced Nutrient Reduction (ENR) and biological nutrient removal (BNR). He has served as Project Manager on a variety of projects, including studies, design, contract administration and inspection. Engineering projects include sewer & water systems and extensions, storm drainage and storm sewer systems, combined sewer system control plans, site planning and design, subdivision layout & utility design, lift and pump station design, and on-site wastewater treatment systems.

**Relevant Project Experience Includes:**

- **Oxford WWTP ENR Upgrade, Oxford, MD** – Construction Manager for the Town's new 0.15 million gallon per day Enhanced Nutrient Removal (ENR) treatment facility. Project includes the reclamation of treatment Lagoon #2 via sludge removal and earthen fill operations, construction of new Biolac® Basin, post anoxic reactors, circular clarifiers, upflow denitrification filters with UV disinfection system as well as associated chemical storage and feed systems, new pumping stations, and other various upgrades. Construction was completed in March 2021. The construction contract value is \$15.9 million.
- **Preston WWTP ENR Upgrade, Preston, MD** – Construction Manager for the Town's new 0.115 million gallon per day Enhanced Nutrient Removal (ENR) treatment facility. Project includes the reclamation of treatment Lagoon #2 via sludge removal and earthen fill operations, construction of new Bioworks® Basin, post anoxic reactor, circular clarifiers, upflow denitrification filters as well as associated chemical storage and feed systems, new pumping stations, and other various upgrades. Construction was completed in 2021. The construction contract value is \$9.6 million.
- **Fruitland WWTP ENR & Solids Handling Upgrade, Fruitland, MD** - Preparation of an Engineering Design Report (EDR) inclusive of detailed alternatives analysis with project costs necessary for upgrading the 0.8 MGD facility for compliance with MDE's ENR Program. Following the EDR, prepared construction documents for the approved alternative and served as chief process engineer associated with the upgrade. Provided construction oversight of the \$6.24 Million construction contract. Construction completed in 2016.
- **Cambridge WWTP ENR Upgrade, Cambridge, MD** - Preparation of a Preliminary Engineering Report inclusive of detailed alternatives analysis with project costs necessary for upgrading the 8.1 MGD facility for compliance with MDE's ENR Program. Following the PER, prepared construction documents for the approved alternative and served as chief process engineer associated with the upgrade. Provided construction oversight of the \$8.71 Million construction contract. Completed in 2013.
- **Energy Saving Improvements at the Clarke Avenue Pump Station, Pocomoke City, MD** - Preparation of construction documents and served as the chief engineer associated with the upgrade of the 3,600 GPM pump station. Provided construction oversight for the \$2.38 Million construction contract. Completed in 2019.

**RESPONSIBILITIES**

Vice President  
Sr. Project Manager  
Group Leader

**GROUP**

Water/Wastewater Group,  
Salisbury, Maryland

**EXPERIENCE**

20 years

**EDUCATION**

University of Maryland  
College Park, 2002  
Master of Science  
Environmental Engineering

University of Maryland  
College Park, 2000  
Bachelor of Science  
Civil Engineering

Salisbury State University,  
1999  
Bachelor of Science  
Physics

**REGISTRATION**

Professional Engineer (PE)  
MD-26278  
DE-14523  
VA-0402058929

## ROLAND E. HOLLAND, P.E.

Structural Engineer – Sr. Vice President

Mr. Holland joined the firm of George, Miles & Buhr in June of 2001. Prior to joining the firm, Mr. Holland attended George Mason University where he concentrated his studies in structural engineering. After graduating from George Mason, he attended the University of Virginia where he received his master's degree in Civil Engineering. While at the University of Virginia he studied structural engineering and researched the effects of damage on FRP structural composites.

Since joining the firm, Mr. Holland has designed & managed projects using a variety of construction materials, including concrete (post-tension concrete), steel, wood and masonry. Mr. Holland has also managed a multitude of projects at once and he has overseen work of other engineers within his department. His management skills include coordinating with architects, other engineers and clients during the project to help facilitate the best product possible.

A highlight of Mr. Holland's work portfolio is assisting NASA Wallops' Flight Facility in Wallops Island, Virginia with a variety of projects on their rocket launch pads and surrounding facilities.

### Relevant Experience Includes:

- **Wicomico County Detention Center Roof Replacement, Salisbury, MD** - Provided design services to Wicomico County Department of Corrections for a roof replacement at the Wicomico County Detention Center in Salisbury, Maryland. This project was divided into three phases, each of which consists of the complete removal of the existing roof membrane system (ballast, membrane, cover board, flashing and coping) and the installation of a loose-laid EPDM membrane with paver ballast with a 20-year warranty and new flashing and coping on all parapet walls.
- **UAS Airstrip Hangar, NASA Wallops Flight Facility, VA** - Structural engineering services for the design of a new 8,500 square foot pre-engineered metal building to be used as a hangar for unmanned aircraft systems (UAS) at NASA's Wallops Island Flight Facility. The design incorporated conventional pre-engineered metal building components including rigid frames, z-girts, z-purlins, standing seam metal roofing and metal siding. The building includes a second-floor portion within the building of approximately 1,000 square feet, the ground level of which will contain nonhazardous storage.
- **Charles County Detention Center Annex Roof & Wall Evaluation, Charles Co., MD** – Evaluation of a one-story 30,000 SF masonry building that houses work release inmates. The roofs consisted of 2-3 ply torch applied membrane system over an older built-up roof system. Core sampling was done to determine the make-up of the existing roof assemblies. GMB's report included an existing conditions study, code evaluation, roof warranty review, and long-term maintenance and/or replacement recommendations. GMB recommended installing a new cold-applied 2-ply modified bitumen membrane roofing system.
- **NASA New LEED Fire Station, Wallops Island, VA** - Structural design of a new Fire Station located at NASA, Wallops Flight Facility, Wallops Island, Virginia. The new station achieved LEED® Silver accreditation in 2018. Facility elements include training room, offices, exercise room, bunkrooms, gear storage rooms, decontamination room, maintenance shop, S.C.B.A. compressor room, apparatus bays, and a dayroom with dining area and kitchen.
- **Caroline County Emergency Medical Services (EMS) Facility, Denton, MD** - Structural design of Caroline County Department of Emergency Services (DES) Building, a 4680 square foot post and frame building with a 19' x 37' attic mezzanine space created by an "attic type" truss system. The design of the building includes a fully functioning office for employees and an EMS living quarters with associated apparatus bays.



### RESPONSIBILITIES

Vice President / Sr. Project Manager

### GROUP

Structural / Marine, Salisbury

### EDUCATION

University of Virginia, 2001  
Master of Science  
Civil Engineering

George Mason University, 1999  
Bachelor of Science  
Urban Systems Engineering

### REGISTRATION

Professional Engineer:  
DE-13552  
MD-35368  
VA-45666  
NCEES-32365

## MORGAN H. HELFRICH, A.I.A., LEED® AP

Architect – Vice President

Ms. Helfrich joined the firm of George, Miles & Buhr, LLC in 2006. She brought over nine years of work experience to GMB during which she has consulted on many projects with GMB from another firm. She is specialized in all types of residential design including single and multi-family, renovations and additions, as well as senior living and hotel design. Ms. Helfrich also has work experience in other sectors such as commercial, industrial, hospitality, institutional, financial, educational, and coastal. She is involved with all stages of design as a Senior Project Architect, which encompasses client contact, proposals and schematic design through construction administration. A former part-time faculty member for Wor-Wic Community College, Ms. Helfrich also used her skills in architectural CAD, 3D Building Information Modeling and graphic rendering to teach Auto CAD and Revit credit and non-credit courses.



### Relevant Experience Includes:

- **Millville Town Park Buildings**, *Millville, DE* - Design of two buildings for the new Town Park. The new community hall building houses a large multi-purpose meeting room, an office, a conference room, a residential-type kitchen, storage areas and restrooms. The new recreation building houses restrooms for park visitors and a storage space for park maintenance.
- **Wicomico County Historic Courthouse Restoration**, *Salisbury, MD* - Study and design for an Exterior Restoration of the historic Wicomico County Courthouse located at 101 North Division Street, Salisbury, Maryland. The existing facility, built in 1878, is a three-story Victorian style business office building with a partial basement level and had developed severe water infiltration problems.
- **Salisbury University Center for Entrepreneurship**, *Salisbury, MD* – Part of a Design/Build team for Salisbury University's Center for Entrepreneurship located in the existing historic Gallery Building in Downtown Salisbury. The project consists of the renovation of approximately 6,000 sf of existing office space, and 5,000 sf of general improvements to the building's plaza level common areas. The project utilizes sustainable design practices and construction practices.
- **Sussex County EMS Administration Building**, *Georgetown, DE* - A new approximately 30,000 SF building attached to the existing Emergency Operations Center (EOC) in Georgetown, Delaware to house the administration functions and world class training center for the County's Emergency Medical Services (EMS) operations. The new facility will include training rooms, simulation labs, administrative offices, control rooms, break out spaces, emergency operations headquarters, full commercial kitchen and cafeteria, bunk rooms and equipment storage.
- **UMES Agriculture Building Renovation**, *Princess Anne, MD* – Project involved the renovation of a 10,098 square foot office/warehouse building for the University of Maryland Eastern Shore (UMES) School of Agriculture and Natural Sciences. The renovation includes: A more articulated lobby space, reception area, staff lounge, five (5) offices, multi-purpose auditorium and conference space for 30 people, renovation of restroom area for men and women with shower capability, renovation of two (2) lab spaces in the storage area with appropriate HVAC system, and the addition of two automated high bay garage doors for farm equipment storage.
- **Seaford Police Department and 911 Center**, *Seaford, DE* - Design a new 2,400-sf addition to the existing 12,000 sf building as well as the interior renovation and expansion of the existing communications room. The addition to the Seaford Police Department included 5 offices, male and female bathrooms, a conference room and a copy storage room. This project also included a 1,390-sf renovation to the existing 911 communications operation.

### RESPONSIBILITIES

Vice President /  
Architectural Group Leader

### GROUP

Architecture, Salisbury

### EDUCATION

Temple University, 1999  
Bachelor of Architecture

### REGISTRATIONS

Registered Architect  
MD-16457  
DE - S5-0007846  
VA - 0401016189

### CERTIFICATIONS

NCARB Certification 2012  
#88168  
LEED® AP Certification  
2008

### ORGANIZATIONS

American Institute of  
Architects

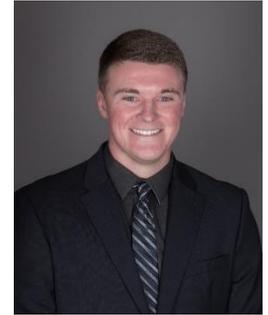
U.S. Green Building Council,  
Member



## MATTHEW M. HALL, E.I.T.

Water / Wastewater Engineer – Licensed Well Driller

Matt is a 2018 graduate from the University of Delaware, where he majored in Mechanical Engineering and Minored in Civil Engineering. He has a background in well design & construction, water treatment systems, geothermal systems, and is licensed as a Journeyman Well Driller in the State of MD. He is also approved by the State of Maryland as an Engineer-in-Training (E.I.T.)



### Relevant Project Experience Includes:

- **Rock Hall WWTP ENR Upgrade PER, Rock Hall, MD** – Responsible for planning level design associated with a Preliminary engineering Report, inclusive of detailed alternatives analysis with project costs necessary for compliance with MDE's ENR program.
- **Fairlee WTP Clariflocculator Replacement, Kent County, MD** – Responsible for design, permitting, and bidding of the Water Treatment Plant equipment replacement project. Currently providing construction oversight for the \$230K Construction Project.
- **Milton Wastewater Treatment Plant Preliminary Design, Milton, DE** - Beginning in January 2013, GMB has assisted Tidewater Utilities Inc. (TUI) with evaluation of the existing Milton WWTP, as well as planning and preliminary engineering for its replacement with a new facility located on Sam Lucas Road in Milton, Delaware. The new facility is to have a nominal design capacity of 0.35 million gallons per day (MGD) and will be capable of achieving treatment levels equivalent to industry standards associated with Biological Nutrient Removal (BNR). The facility will utilize Membrane Bioreactor (MBR) technology as the means for activated sludge treatment. GMB's planning level construction cost estimate for the facility is \$8.8M
- **Well No. 4 Replacement and Water Treatment Plant Upgrades, Laurel, DE** – Responsible for the design of a new production well and addition of an additional Hungerford and Terry Manganese Greensand Filter to the existing Laurel Water Treatment Plant, and oversaw the \$770K construction contract. This project was completed in April 2020.
- **Smith Island Clean Water Project – PER/ER and Design, Somerset County, MD** - Engineering services to accomplish a Preliminary Engineering Report (PER) and an Environmental Report (ER) meeting the requirements of MDE and USDA-Rural Utilities Service (USDA-RUS) of the Smith Island Wastewater Facilities Plant in Somerset County, Maryland. Preliminary and final design of a new enhanced nutrient removal (ENR) WWTP at the site of the existing Ewell WWTP; upgrading 3 pump stations serving Ewell, Rhodes Point and Tylerton; demolition of existing WWTP on Tylerton and providing a submarine force main to transmit flows to the Ewell WWTP; and construction of an elevated timber deck platform for the new WWTP.
- **Preston WWTP ENR Upgrade, Preston, MD** - Responsible for overseeing and coordinating the \$9.6M Construction Project. This project is estimated to reach final completion in early April 2021.
- **Ocean Pines WWTP Treatment Unit No. 3 Aeration Improvements, Worcester Co. MD** - Responsible for overseeing and coordinating the \$470k Construction Project. This project is estimated to reach final completion in May 2021.
- **Princess Anne WWTP EWIP Improvements, Princess Anne, MD** – Responsible for overseeing and coordinating the \$880K Construction Project. This project was completed in October 2018.

**RESPONSIBILITIES**  
Engineer

**OFFICE LOCATION**  
Water/Wastewater Group,  
Salisbury, MD

**EDUCATION**  
University of Delaware  
Bachelor of Science in  
Mechanical Engineering

**REGISTRATION**  
Engineer-in-Training

Maryland Journeyman Well  
Driller No. JSD159

## LAUREN E. WANDEL, AIA

Architect

Ms. Wandel joined GMB in 2017 as an Architect. In addition to her Bachelor's degree of Architecture, she holds two minors which focus on sustainability, land use and development, and urban forestry and farming. She understands the role of architecture on a larger scale than single buildings. Ms. Wandel is certified with the National Occupational Competency Testing Institute (NOCTI) for Advanced Architectural Drafting, and she received a Governor's Award for Highly Proficient NOCTI Exam. She is proficient in AutoCAD, Revit, Adobe Suite, Rhino, and SketchUp.

### Relevant Experience Includes:

- **Talbot County Health Dept. Feasibility Study, Easton, MD** - Architectural design for the Talbot County Health Department Feasibility Study for Building Needs. The study covers three options, one razing the existing Health Department building and constructing a new facility, secondly, renovating the existing building and finally acquiring the neighboring property to be renovated to serve the Talbot County Health Department.
- **Laurel Police Department, Laurel, DE** - Providing schematic design services for a new Laurel Police Department which will replace the existing police facility. The new facility involves a renovation of the former Dunbar Elementary School on West 6th Street. It will house a public reception space, intake and holding cells for men, women and juveniles, an armory, classrooms, administration, and miscellaneous support and storage rooms.
- **Salisbury University Center for Entrepreneurship, Salisbury, MD** – Part of a Design/Build team for Salisbury University's Center for Entrepreneurship located in the existing historic Gallery Building in Downtown Salisbury. The project consists of the renovation of approximately 6,000 sf of existing office space, and 5,000 sf of general improvements to the building's plaza level common areas. The project utilizes sustainable design practices and construction practices, in accordance with University of Maryland Design Standards.
- **Eastville Community Health Center, Eastville, VA** - Design of a approx. 24,000 sf Community Health Center for Eastern Shore Rural Health Systems. The new building houses exam rooms for multiple medical and dental providers, administrative offices, reception and waiting spaces, lab and X-Ray rooms, medical procedure rooms and related staff and support areas.
- **Sussex County EMS Administration Building, Georgetown, DE** - Currently designing a new approximately 30,000 square foot building attached to the existing Emergency Operations Center (EOC) in Georgetown, Delaware to house the administration functions and world class training center for the County's Emergency Medical Services (EMS) operations. The new facility will include training rooms, simulation labs, administrative offices, control rooms, break out spaces, emergency operations headquarters, full commercial kitchen and cafeteria, bunk rooms and equipment storage.
- **Medical Office Building for Choptank Community Health System, Denton, MD** - The design of a new medical office building of up to 20,000 square feet, to be located on a 5.549-acre parcel of land at 808 South 5th Avenue in Denton, Maryland. The building will address the region's increased need for preventive and comprehensive primary care, behavioral health, oral health, and women's health services.



### RESPONSIBILITIES

Project Architect

### GROUP

Architecture, Salisbury

### EDUCATION

Bachelor of Architecture –  
Pennsylvania State  
University

*Minors: Environmental  
Inquiry – Human  
Settlements  
Sustainability Leadership*

### REGISTRATIONS

Registered Architect  
MD #19650

### CERTIFICATIONS

NCARB Record No.  
#672488

NOCTI – Advanced  
Architectural Drafting

### ORGANIZATIONS

American Institute of  
Architects

**BRENT R. JETT, P.E., CFM, CC-P**

Stormwater / Coastal Resiliency Engineer

Mr. Jett joined the firm of GMB in 2019, bringing over 20 years of professional engineering experience, including extensive project design, planning and management in both the private and public sector. He is skilled in local, state, and federal land-use approvals and required processes for environmental approval. Prior to joining GMB, Mr. Jett served seven-plus years as Assistant City Engineer for the City of Cambridge, Maryland. His work history also includes Project Manager/Engineer for various Eastern Shore private consulting firms. Mr. Jett has a distinguished background in site planning and design, infrastructure design, stormwater management, land planning, survey management, construction administration, project management, client relations, code review, and contract management. He is experienced in all phases of development for public/private clients of all sizes. Mr. Jett recently served on several environmental committees with local and state stakeholders for sustainability concerns throughout the mid-Shore region of Maryland.

**RESPONSIBILITIES**

Project Manager /  
Coastal Resiliency Group  
Leader

**GROUP**

Coastal Resiliency, Seaford

**EDUCATION**

Virginia Tech, 1997  
Bachelor of Science  
Civil Engineering

**REGISTRATION**

Professional Engineer (P.E.)  
Maryland #32889  
Delaware #24213

Certified Floodplain  
Manager (CFM)  
# US-20-11646

Climate Change  
Professional (CC-P)  
#M-0066

**Relevant Project Experience Includes:**

- **St. Michaels Harbor and Stormwater Infrastructure Flood Study, St. Michaels, MD:** Existing elevations, conditions, and potential for retrofits were analyzed resulting in 8 phased projects available around the harbor area to ensure flooding in St. Michaels does not go from nuisance to major problem for the residents, business operators, and the Town. Green techniques were heavily recommended in order to build resilience to the design and harbor area. *Final Report Completed January 2021.*
- **West Cedar Street Flood Mitigation Planning Study, Lewes, DE:** Currently assisting the City of Lewes and the Lewes Board of Public Works in producing a flood risk-reduction study related to recurring tidal flooding at the west end of Cedar Street. This project is being funded through a Pre-Disaster Mitigation Grant provided by FEMA and administered by DEMA. The goal of the study is to identify environmental/structural stabilization and flood protection projects for future implementation utilizing environmentally friendly design.
- **Chesapeake Bay Foundation Ditch Retrofits, Various Eastern Shore Municipalities:** Provided ditch retrofit designs incorporating green techniques, quantity control for larger storm events, and lowered maintenance requirements for several roadside ditch sections located on the mid-shore of Maryland region. The project was contracted through Chesapeake Bay Foundation and provided retrofits for Queen Anne's County, Easton, Talbot County, Cambridge, and Oxford Maryland. *Design Completed December 2020*
- **Maryland Ave. Green Street Retrofit, Cambridge, MD:** This project, designed by Mr. Jett while employed by the City, included replacing the concrete sidewalks with porous concrete, replacing the pavement in the on-street parking areas with pervious pavers, adding dedicated bike lanes the length of the project (3+ blocks), installing intersection corner bumpouts as well as mid-block bioretention raingardens, and planting several street trees along the improved area. A handful of grants were grouped together to accomplish the installation of the project, many of which Mr. Jett assisted in the writing of, totaling nearly \$1.3mil. *Construction Completed Aug. 2015*
- **Cannery Stream Restoration, Cambridge, MD:** While working for the City of Cambridge, Mr. Jett was successful in crafting a \$1.8mil grant awarded from the CBTrust for design and construction of the revitalization of nearly 1800 l.f. of stream restoration and bank stabilization. The prior conditions had deteriorated to a dead water course that is now thriving with native plantings, wildlife, and aquatic species throughout. Responsible for grant management, consultant management, and construction oversight. *Construction Completed October 2017.*

## DOUGLAS R. KOPECK, RLA

Registered Landscape Architect

Mr. Kopeck joined the firm of George, Miles & Buhr, LLC in 2020. He has over 31 years of professional landscape architecture/environmental planning experience for public and private development, including 20+ years as Business Owner and Principal-in-Charge of Land Development at CNA, Inc, a 130-person engineering company. His skills include site analysis, master planning, site design, project management / PIC, public presentation, environmental compliance, wetland mitigation/enhancement, wetland identification and delineation, forest stand delineation and preparation of forest conservation plans, and master planning for environmentally sensitive sites. He has developed extensive contacts with planning and environmental agencies and is knowledgeable on recent legislative and environmental initiatives. Mr. Kopeck has managed land development projects in Harford County and throughout Maryland and southern Pennsylvania and has managed single projects involving over 3 million square feet of warehouse distribution and 2,500 home planned unit developments.

### Relevant Experience Includes:

- **Airport 100 Industrial Park/ Opus East, LLC: ± 500,000 sf. Distribution Center, Anne Arundel County, MD** - Project included site design/engineering, wetland delineation and permits for public road crossing, forest stand delineation and forest conservation plan, landscape plan, public road design, stormwater management, grading and sediment and erosion control.
- **Blenheim Run, City of Havre de Grace, MD**  
+120 unit mixed use residential/commercial center-PIC/Project Management, site plan design, full civil engineering, Annexation& Permits. Project is near final engineering approval. Construction to begin spring of 2021.
- **Benson Corner, Harford County, MD**  
80+ unit residential apartment phased project. Site plan processing through County Development Advisory Committee (DAC), full civil engineering, project management. Project is currently under construction.
- **Baltimore Gas & Electric, BGE, Five Forks. Harford County, MD**  
PIC for 6+ miles of overhead transmission line and tower replacement. Erosion, sediment control, storm water management, MDE/USCOE permitting, coordination of Bog turtle study, and attending Public Service Commission meetings/hearings.
- **On-Call Services Contracts for Water/Wastewater, Various Locations**  
Sub-consultant to George, Miles & Buhr, LLC to provide Survey, wetland delineation, environmental permits, forest conservation, fish counts, sediment and erosion control, storm water management, site plans, wetland mitigation and site plan processing services and plans.
- **Harford County Airport Upgrade and Expansion, Harford County, Maryland**  
As Principal-in-Charge, provided expert testimony for Harford County Board of Appeals Natural Resources District Variance and Special Exception to expand a public airport. Full engineering services including MD Department of the Environment and US Army Corps of Engineers permits; wetland mitigation; forest conservation; obstruction removal surveys.
- **Chesapeake Real Estate Group: Perryman Logistic Center, Hopewell Farms.**  
Principal-in-Charge of project that includes site design / planning / engineering and Stormwater Management plans for a 600,000 sf warehouse distribution center.



### RESPONSIBILITIES

Land Development  
Site Design  
Project Management

### GROUP

Site/Sustainable, Sparks

### EDUCATION

BLA-Landscape  
Architecture-Syracuse  
University

AA-Landscape  
Development-Alfred AG &  
Tech

Environmental Biology-Thiel  
College

### REGISTRATIONS

Landscape Architect – MD  
Landscape Architect – DE  
Landscape Architect – PA  
Landscape Architect – NC

### CERTIFICATIONS

Maryland Forest  
Conservation Act Qualified  
Professional

Certified Natural Resources  
Expert

Certified Environmental  
Inspector

### ORGANIZATIONS

MD Society of Landscape  
Architects

American Society of  
Landscape Architects

Environmental Assessment  
Association

Harford County  
Environmental Advisory  
Board (EAB)

City of Aberdeen Architecture  
Review Committee

## DAVID J. ROVANSEK, EIT

Stormwater / Civil-Site Engineer

Mr. Rovanssek joined the firm of GMB in December of 2000. He has been involved in all aspects of site development, stormwater management, environmental land use planning, sustainable site design, wastewater treatment, water treatment, permitting, contract administration, and project management. His duties include sustainable site design and planning, sanitary sewer system design, water supply line design, lift and pump station design, stormwater management design, site grading, quantity assessment, cost estimation, project scheduling, subcontractor coordination, and project management. Hydraulic and hydrologic modeling capabilities include TR-55 and TR-20 methodology utilizing various software, as well as familiarity with state government water quality software in Maryland, Virginia, and Delaware.



### Relevant Project Experience Includes:

- **NPDES Design Task Order Services, Charles County, MD:** Sr. Engineer- Prepared Feasibility and Concept Design Reports for several projects to assist the County with MS4 compliance as monitored by MDE. The intent of the NPDES modification is to treat 20% of the County's previously untreated impervious areas via water quality BMP's and Environmental Site Design measures to remediate the first inch of run-off.
- **Seaside Village RPC Site Design & Construction, Worcester County, MD:** Project Manager – Oversaw Civil/Site Engineering Services for all aspects of Planning, Design, and Construction for a 139 unit Planned Residential Community in West Ocean City, MD.
- **Riddle Farm Wastewater Treatment Plant Design & Construction Worcester County, MD:** Provided planning, design, and construction administration services for of various aspects through construction and dedication to the County DPW.
- **Chesapeake Shipbuilding Stormwater Pollution Prevention Plan, Salisbury, MD:** Sr. Engineer - Provided Civil/Site Engineering Services to supplement the existing 13.54 Acre Chesapeake Shipbuilding property's Stormwater Pollution Prevention Plan (SWPPP) and stormwater management facilities. This process involved providing information, documentation, and coordination with MDE to comply with the requirements of the General Permit for Discharges from Stormwater.
- **Betterton Stormwater Management Retrofit, Betterton, MD:** Sr. Engineer- Main Street Outfall Phase 1 - Includes a bio-retention area in front of Betterton Town Hall, a stormwater step pool conveyance and a parking lot of permeable pavers that will serve as the cover for an engineered subsurface reservoir with recharge or infiltration beds for the surrounding urban watershed. This project focuses on the sub-watershed that impacts Betterton's public beach and will treat runoff from 13 acres. This project is being funded by a grant from the National Fish and Wildlife Foundation.
- **SWM Best Management Practices (BMP) Feasibility Study, Ocean City, MD:** Sr. Engineer - The primary focus of the study was to provide the Town of Ocean City with cost-effective BMP retrofit recommendations aimed at reducing primary pollutants such as trash, nutrients, metals, sediment and oils from entering the Town's receiving waters through existing storm drain networks.
- **Denton Master Stormwater Improvement Plan, Denton, MD**  
Developed a study for treating existing stormwater runoff that drains into the Choptank River from the south area of the Town. Evaluated technical details and develop cost effective and feasible projects to implement sustainable best management practices (BMPs) to treat the nutrients and sediment accumulating in the drainage streams and river. Provided direction on the treatment needed to maintain and increase the health of the river and Chesapeake Bay. This project is being funded by a grant from the National Fish and Wildlife Foundation.

### RESPONSIBILITIES

Project Manager /  
Permitting

### GROUP

Municipal/Civil, Salisbury

### EDUCATION

Ohio University, 1999  
Bachelor of Science  
Civil Engineering

### REGISTRATION

Engineer-in-Training

## JESYL J. SILVA

Civil / Site Engineer

Mr. Silva joined the firm of George, Miles & Buhr in February of 2003. His responsibilities have included preparation of construction plans, stormwater management, storm, road, water and sanitary sewer design, cost estimation and hydraulic studies. His education background includes the areas of stormwater design, site design, project economics, soil science and hydraulic and hydrologic studies.



### Relevant Project Experience Includes:

- **Charles County On-Call NPDES Task Order Services, Charles County, MD:** Design Engineer - Prepared Feasibility and Concept Design Reports for several projects to assist the County with MS4 compliance as monitored by MDE. The intent of the NPDES modification is to treat 20% of the County's previously untreated impervious areas via water quality BMP's and Environmental Site Design measures to remediate the first inch of run-off. Six of these projects are currently in design.
- **Oxford Flood Study, Oxford, MD:** Project Engineer - Part of a team to address flooding problems within the Town. Evaluated LIDAR data, drainage and flood control project alternatives with special consideration to potential sea level rise and helped prepare cost estimates.
- **Wicomico County Tourism Building WIP Rain Gardens, Wicomico County, MD:** Design Engineer - GMB designed an approved Maryland Best Management Practice (BMP) at Wicomico County's Tourism Information Center. The project consisted of the implementation of a combination of stormwater facilities to provide water quality treatment including pollution reduction. This project was part of the County's larger Watershed Implementation Plan (WIP). The design included three (3) Rain Gardens designed to capture the runoff from the roof of the existing Tourism building and runoff from a portion of the parking lot.
- **UMES Hazard Mitigation Plan, Princess Anne, MD:** Project Engineer - Member of a team to analyze hazard points on the University of Maryland Eastern Shore campus with a focus on the analysis of the flooding issues and a hydraulic and hydrologic study of the watershed.
- **Pocomoke City WWTP Stormwater Pollution Prevention Plan (SWPPP), Pocomoke City, MD:** Design Engineer - Developed a comprehensive Stormwater Pollution Prevention Plan (SWPPP) to accompany the NOI for Pocomoke City as part of the WWTP BNR Upgrade.
- **Bayside Community, Selbyville, DE:** Design Engineer - For Stormwater Management, Storm Drain System, and Hydraulic Analysis of Ditch System - A global stormwater management plan was developed for the 1,700-unit golf course community, which included channel and wetland restoration of an existing tidal channel.
- **Chesapeake Shipbuilding Stormwater Pollution Prevention Plan, Salisbury, MD:** Design Engineer- Providing Civil/Site Engineering Services to supplement the existing 13.54 Acre Chesapeake Shipbuilding property's Stormwater Pollution Prevention Plan (SWPPP). This process involves providing information, documentation, site planning, and stormwater management best management practice (BMP) design; as well as developing a maintenance and employee training program to comply with the requirements of the General Permit for Discharges from Stormwater Associated with Industrial Activities Permit No. 12-SW (12-SW).

### RESPONSIBILITIES

Project Engineer

### GROUP

Site/Sustainable Design,  
Salisbury

### EDUCATION

University of Delaware,  
2003  
Bachelor of Science  
Engineering Technology

## DEANE TOWNSEND

Architectural Designer

Deane Townsend joined GMB's Architectural Group in 2016 as an Architectural Designer. A Salisbury native, Deane graduated from the University of Maryland in 2020 with a Master of Architecture degree, after obtaining his bachelor's degree in 2016. Deane serves the youth of our local community as an Architectural Mentor with the ACE Mentor Program of Maryland's Eastern Shore. He is highly proficient with AutoCAD, Revit, Sketch-Up Pro, Adobe Photoshop, and Adobe In-Design, and is currently developing software skills in Rhinoceros 5 and Grasshopper. Deane provides valuable design expertise in modern architectural theory and design on all current projects for GMB, and excels at crafting custom renderings to bring clients' visions to life.

### Relevant Experience Includes:

- **Federalsburg EMS Facility Concept Design, Federalsburg, MD**  
The work includes preliminary conceptual site design, preparation of a conceptual site drawing and development of construction cost estimates.
- **Parkside High School Generator Site Design, Salisbury, MD**  
Prepared rendering for the site design associated with installation of a new generator at Parkside High School.
- **Ross Station Event Center, Seaford, DE**  
Architectural services to assist in the planning and programming phase of an event center at The Ross Station and Plantation in Seaford, Delaware. Scope of work includes cost estimates and renderings for a venue to host exhibits, meetings, educational and cultural events.
- **Lewes Beach Bathhouse, Lewes, DE**  
The project will consist primarily of refitting and winterizing the existing public bathhouse facility at Beach Parking Lot No.1 to enable extended or year-round use for beach patrons. The project involves installation of new insulated drop ceilings and reworking of the existing ventilation exhaust system.
- **Wicomico County Historic Courthouse Restoration, Salisbury, MD**  
Study and design for an Exterior Restoration of the historic Wicomico County Courthouse located at 101 North Division Street, Salisbury, Maryland. The existing facility, built in 1878, is a three-story Victorian style business office building with a partial basement level. The existing Building Envelope has severe water infiltration problems.
- **Millville Town Hall Municipal Building Addition, Millville, DE**  
This project consists of a 2-story 5,142 SF addition to the Millville Municipal Town Hall building. The new addition houses three garage bays, a toilet room and two interview rooms on the first floor, and two bunk rooms, full bathroom, kitchenette and a 31-seat classroom for the Delaware State Police on the second floor.
- **Perdue AgriBusiness New Office Building, Delmar, DE**  
Design of a new 40,000 SF corporate office building, designed to meet LEED Silver criteria. The two-story office building is designed around an open atrium style trading floor complete with running stock market ticker, and state of the art IT equipment for the purposes of buying and selling. The trading floor will be flooded with light via a curved glass storefront and clerestory skylight outfitted with electrochromic glass.
- **Lewes Historical Society Restrooms Addition, Lewes, DE**  
Architectural and engineering design services for the Historical Society Rollins Room restrooms addition. Project includes preparation of final design drawings and assistance to the City in obtaining construction pricing from three qualified contractors licensed in the State of Delaware and the City of Lewes.



### RESPONSIBILITIES

Architectural Designer

### GROUP

Architecture, Salisbury

### EDUCATION

University of Maryland  
Master of Architecture, 2020  
Bachelor's Degree of Science  
in Architecture, 2016

### ORGANIZATIONS

ACE Mentor Program of  
Maryland's Eastern Shore

**BRYAN G. ADKINS, E.I.T.**

Structural Engineer

Mr. Adkins joined George, Miles & Buhr, LLC in March, 2007 as a CADD Operator. He came to the firm with 4 years of prior experience as a survey crew chief. In 2010, his primary focus with GMB shifted from CADD to Resident Project Representative (RPR) work. Also in 2010, Mr. Adkins became a NASSCO certified Cured-in-Place Pipe (CIPP) Inspector, which affords him a deeper understanding of trenchless pipeline renewal technologies. In 2016, he joined the Structural / Marine Engineering Group as an Engineer.

**CIPP Inspection Experience Includes:**

- Fruitland Infiltration & Inflow Reduction Project, Fruitland, MD
- Herring Run Interceptor Improvements (SC 856), Baltimore, MD
- Porter Street Storm Drain Retrofit, Seaford, DE

**Marine Experience Includes:**

- Crisfield Loading Dock & Passenger Terminal (Pile Inspection), Crisfield, MD
- Beaverdam Creek Tidal Dam and Spillway Reconstruction, Salisbury, MD

**Resident Project Representative (RPR) Experience Includes:**

- Showell Pump Station, Worcester County, MD
- Camden Interceptor Pump Station Upgrade, Fruitland, MD
- Oak Orchard Sanitary Sewer District Expansion, Sussex County, DE
- Laurel Rt. 13 Highway Corridor Water & Sewer Extension (Pump Station Inspection), Laurel, DE
- Willards New Production Well No. 3, Willards, MD
- Camden East Subdivision, Fruitland, MD
- Washington Street Flood Control and Stormwater Retrofits, Seaford, DE
- Transite Water Main Replacement, Laurel, DE

**NASA Wallops Flight Facility Experience Includes:**

- Launch Pad 0B Level 1-5 East Expansion, *Wallops Island, VA*
- Launch Pad 0B Vehicle Access Door Design, *Wallops Island, VA*
- Launch Pad 0B Lightning Protection, *Wallops Island, VA*
- Launch Pad 0C Design
- Launch Pad 0A Stormwater Management As-Builts, *Wallops Island, VA*

**Long-Term Reserve (LTR) Study Experience Includes:**

- Villages of Five Points Town Center West Townhomes LTR Study, *Lewes, DE*
- Villages of Five Points Town Center East LTR Study, *Lewes, DE*
- Bethany Lakes LTR Study, *Bethany Beach, DE*
- Sea Colony East Phase IV Farragut LTR Study, *Bethany Beach, DE*
- Sea Colony East Phase I LTR Study, *Bethany Beach, DE*
- St. Martha's Episcopal Church LTR Study, *Bethany Beach, DE*
- Heron Bay Condominium LTR Study, *Lewes, DE*
- Bayview Park LTR Study, *South Bethany Beach, DE*
- Cotton Patch Hills LTR Study, *Bethany Beach, DE*
- Ocean Place Condominium LTR Study, *Ocean City, MD*

**RESPONSIBILITIES**

Engineer

**GROUP**

Structural / Marine, Salisbury

**EDUCATION**

Delaware Technical & Community College, 2007  
Associate's Degree in Civil Engineering & Surveying

**REGISTRATION**

NASSCO Certified CIPP  
Inspector # CIPP-210-0341

## KYLA M. CUPP

GIS Specialist

Kyla Cupp joined George, Miles & Buhr in 2019 as a GIS Specialist. She holds a Bachelor of Science degree from Salisbury University in Earth Science and has completed several master's level GIS classes. Kyla is skilled in the collection, interpretation, and presentation of GIS data, using LiDAR Digital Elevation Models to create contours and watersheds for individual project sites. Combining this information with data gathered from other sources, she creates exhibits and runs spatial analyses using ArcMap, ArcGIS Pro, or CAD format. She is a member of the Gamma Theta Upsilon Geographic Honor Society.



### Relevant Project Experience Includes:

- **Wicomico County Water & Sewer Master Plan, Wicomico County, Maryland**  
This project involves preparing a Water and Sewer Master Plan for Wicomico County, which evaluates current water and sewer service capabilities in the County and recommends means and methods to provide water and sewer service to all County residents. As GIS Specialist, Kyla is creating service area polygons and using the available data to calculate estimated costs of installation and materials, as well as nitrogen loads.
- **Seaford Asset Management Plan, Seaford, Delaware**  
GMB assisted the City of Seaford with the development of an Asset Management Plan through inventorying and cataloging their utility infrastructure. Kyla has aided in the data collection, data entry, organization, and maintenance of the water and sewer utility GIS databases and created utility exhibits for use in the field, as well as dynamic online maps.
- **West Cedar Street Flood Study, Lewes, DE**  
GMB was tasked with producing a flood risk-reduction study related to recurring tidal flooding at the west end of Cedar Street in Lewes, DE. For this report, Kyla has performed raster-based flood analysis using HEC-RAS and created animations of sea level rise and nuisance flooding models. She has also deployed the online map survey ESRI Government Solution: Citizen Problem Reporter, which collects valuable real time data and promotes community participation.
- **The Estuary Phase 4, Ocean View, Delaware**  
The Estuary is a new community consisting of 665 single family homes located on 465 acres between Fenwick and Bethany Beach, Delaware. GMB is providing civil engineering design services for the community. As GIS Specialist for Phase 4, Kyla completed the Preliminary Storm Water Assessment, existing watershed model and preliminary storm water design.
- **Bayside Village A, Selbyville, Delaware**  
Since 1997, GMB has been providing site engineering and prime consultant services for this 1,700-unit planned residential community including an eighteen-hole Jack Nicklaus Signature golf course, located slightly west of Fenwick Island, Delaware. As GIS Specialist for Village A, Kyla is completing forms for FEMA Conditional Letter of Map Revision (CLOMR) to raise the Base Flood Elevation levels for both lots and structures, based on the updated bulk grading plans.
- **Main Street Water Quality Evaluation, Salisbury, Maryland**  
GMB is assisting the City of Salisbury in calculating the amount of impervious area treatment credit that can be obtained from the improvements included in the Main Street reconstruction project.
- **Oyster House Park Master Plan, Seaford, Delaware**  
GMB is providing architectural and engineering support services for the development of a Master Park Plan for Oyster House Park, a nearly 1-acre parcel located on the Nanticoke River in Seaford, DE. As GIS Specialist, Kyla assisted with GIS map conversion.

### RESPONSIBILITIES

GIS Specialist

### GROUP

Site / Sustainable Design,  
Salisbury

### EDUCATION

Salisbury University  
2019  
Bachelor of Science in Earth  
Science

Master's GIS program –  
Partially completed

## DEAN B. CULVER

Construction Specialist

Mr. Culver joined the team of GMB in December of 2014 and was promoted to Director of Construction Services in 2021. He has worked on numerous water/wastewater infrastructure projects including treatment facilities, transmission and distribution systems. Mr. Culver is experienced in overseeing quality of workmanship, following contract documents and monthly pay estimates. He is also experienced in testing procedures, preparing punch lists and project close out procedures. He is responsible for scheduling Construction Services Group resources.



### Relevant Project Experience Includes:

- **Delmarva Power Millsboro Water & Sewer Extension, Millsboro, DE** – Overseeing construction services for the public sewer and water extensions to the Millsboro District Office of Delmarva Power located at Handy Road and Route 113.
- **Salisbury Regional Airport Water Main Extension, Salisbury, MD** – Overseeing construction inspection efforts for this project, which extends the City of Salisbury public water from Wor-Wic Community College to the Salisbury Regional Airport. The project will include installation of approximately 24,000 LF of water main and 3,900 LF of directional drilled fusible PVC. In addition to installing the main distribution lines, the project will abandon all existing onsite wells and connect the existing buildings to public water supply. A chlorine booster station will be installed along the water main to maintain levels chlorine within the system for disinfection.
- **Kenton, DE Wastewater Transmission Lines, Force Main, Pumping Station, Kent County, DE** - Included the installation of a gravity sewer system, a pumping station and force main in Kenton, DE to connect Kenton to the Kent County, Delaware wastewater system. Also included repaving all streets in the town of Kenton.
- **Entrance and Roads, Delaware State Fair** - Included the installation of a new main entrance and modifications to two additional entrances and the construction of new roads to the State Fair and Harrington Slots Casino.
- **Force Main, Oak Orchard, Sussex County, DE** - Installation of a new force main from Oak Orchard to the Inland Bays Wastewater Treatment Plant.
- **Drawyer Creek Pumping Station & Force Main, New Castle Co., DE** – Included a 12” force main with two directional drills. One of which was a 2000’ drill of 30” pipe.
- **Water Farm #1, Wastewater Treatment Plant, New Castle Co., DE** – Upgrades include new headworks building, filter building, aeration and anoxic basins.
- **New Millsboro Wastewater Treatment Plant (Two Phases), Millsboro, DE** – The first phase included a new headworks building and aeration basins. The second phase included a new membrane building, a state of the art membrane system and converting an existing concrete anoxic basin into a new effluent building.
- **Gravity Sewer System, Oak Orchard, Sussex County, DE** – Installation of a gravity sewer system and appurtenances to serve two communities in Oak Orchard – Oak Orchard West and Oak Meadows and additional homes not in the communities. Also included a 12” force main to Inland Bays Wastewater Treatment Plant.
- **Wastewater Distribution Site and Force Main, Millsboro, DE** – Force main from Millsboro Wastewater Treatment Plant to new distribution site at White Farm location, with directional drills and 3 jack and bores. Wastewater distribution farm. Install 7 Rapid Infiltration Basins, a 2.7 million gallon stainless steel, above ground water storage tank and spray irrigation. Also included installation of a reclaimed water irrigation system at Millsboro Middle School. Also install water system to loop in town’s current system.

### RESPONSIBILITIES

Director of Construction Services

### GROUP

Construction Services Group, Seaford, DE

### EXPERIENCE

25+ Years of Construction Inspection

### EDUCATION

Delaware Technical & Community College

### CERTIFICATIONS

Delaware Certified Construction Reviewer (CCR)

NASSCO certified (ITCP)

**DAVID F. GRAY**

Surveyor

David Gray joined GMB in 2016 as a Surveyor. David is a Seaford, Delaware native with 8 years of previous experience as a Land Surveyor Assistant. He graduated from Delaware Technical Community College and Wilmington College. David also serves the community as Vice President of the Seaford Baseball Boosters.

**Relevant Project Experience Includes:**

- Betterton Stormwater Management Retrofit, Betterton, MD
- Moore Commercial Property, Salisbury, MD
- Royal Farms @ Walston Switch Road, Salisbury, MD
- Town of Oxford WWTP ENR Upgrade, Oxford, MD
- Oxford Stormwater Master Plan Phase II, Oxford, MD
- Clarke Avenue Pump Station Rehabilitation, Pocomoke City, MD
- Lodges at Naylor Mill II Expansion, Salisbury, MD
- Charles County NPDES Design, Charles County, MD
- Cambridge-South Dorchester High School Softball Field, Cambridge, MD
- Town of Trappe Sewage Pumping Facilities Evaluation, Trappe, MD
- City of Salisbury Stormwater Management Support, Salisbury, MD
- Denton WWTP Disinfection System Upgrades, Denton, MD
- Freedom Sewer Study, Carroll County, MD
- Beaverdam Creek Tidal Dam & Spillway Reconstruction, Salisbury, MD
- Chesapeake Shipbuilding Stormwater Pollution Prevention Plan, Salisbury, MD
- Shelltown Boat Ramp, Somerset County, MD
- Fruitland Supply Well & Water Treatment Plant Upgrade, Fruitland, MD
- Caroline Detention Center Pump Station, Caroline County, MD
- Choptank Community Health Services New Medical Building, Denton, MD
- Cambridge Seawall Improvements, Cambridge, MD
- Salisbury Airport Water Main Extension, Salisbury, MD
- Ocean Bay Substation – Pepco Holdings, Ocean City, MD
- Trappe Production Well No. 6, Trappe, MD
- UMES Feasibility Study, Princess Anne, MD

**RESPONSIBILITIES**

Surveyor

**OFFICE LOCATION**

Seaford, Delaware

**EDUCATION**

Delaware Technical &  
Community College  
Wilmington College

## ON-CALL ENGINEERING SERVICES APPROACH

### OVERVIEW

GMB understands the Town's goal for this solicitation is to select a consultant to provide-responsive "on-call" task-oriented engineering expertise over a wide spectrum of both current and future infrastructure and development projects. GMB believes the Town needs a true partner in this endeavor, a firm with the Town's best interests at hand who is committed to successful project outcomes.



For over 61 years, GMB has been headquartered in Salisbury. We have performed countless projects for municipalities throughout the Delmarva Peninsula. Our expertise and abilities in providing full-service on-call services are well-documented. GMB also has a long history of providing trusted advisor service to our clients, as well as a unique ability to coordinate and team with many project partners on endeavors.

### MANAGEMENT OF ON-CALL PROJECTS

Our mission is to provide services to meet the specific needs and goals of our clients and to be a partner in improving the Town of Federalsburg. Working with both the Town and other key teams is very important in moving towards successful completion of the goals and not just waiting for another task to be handed down. We understand the process includes prioritization and funding acquisition. Communication and coordination are paramount to success. We also understand there is sometimes a need to provide rapid responses to urgent situations and take immediate action to perform evaluations, develop alternative solutions, attend stakeholder meetings, and implementing "best-solutions" under these types of contracts.

GMB's management approach is best summarized as follows:

- **Ethical Approach:** GMB takes pride in our professional approach of providing engineering design services by rigorously avoiding potential conflicts of interest. Our high ethical standards are recognized by our many clients throughout the State of Maryland and the Mid-Atlantic region. Our highly experienced Principals and Project Managers are personally involved with every project to maintain proper communication with our clients, maintain project schedules, and to work within the project budget.
- **Technological Resources:** GMB utilizes the latest engineering software technologies. GMB's civil engineers use Autodesk Civil 3D, ArcGIS, Hydraflow, HydroCAD, KYPipe, and CivilGEO HEC-RAS. Our architectural and structural teams have the ability to use Revit-based Building Information Models (BIM) through all phases of the design project. Our structural engineers also use Risa, a specialized program for structural design and modeling. In addition, GMB uses Sketch-Up and Photoshop in conjunction with BIM in the conceptual and schematic design phases to provide 3-dimensional renderings when requested. GMB is capable of producing 3D visualizations from basic conceptual information through construction documents. Additionally, we can create fly through animations utilizing drone footage taken by our FAA-Certified sUAS Pilot. We are experienced with Procore, a construction management software used during the construction phase of a project.
- **Cost Control and Management Information Systems:** GMB staff members have excellent records of meeting schedules and completing projects within time constraints. An accurate and realistic project budget will be prepared for each task and monitored to ensure the project remains within budgetary constraints. GMB cost estimating personnel have many years of cost estimating experience, and they closely scrutinize cost trends within the construction industry, carefully observe local job conditions, and continuously update the cost estimating database used in preparing construction cost estimates. GMB's Project Managers take a "hands-on" approach to maintain control of assignments and have tools that allow them to review the project's status in a timely fashion. GMB employees submit electronic time sheets on a weekly basis. Weekly Progress Reports provide current and job-to-date labor and expenses for all individuals assigned to the project. This reporting allows GMB's Project Managers to properly monitor, re-allocate, and adjust staff resources to complete tasks on time and within budget.
- **Schedules:** GMB's Project Team has an excellent record of meeting project schedules. First, we assign experienced and knowledgeable personnel who recognize the importance of meeting project milestones. Second, we commit physical resources and expertise on a firm-wide basis, including personnel from our Seaford or Sparks offices as needed, to resolve problems quickly and effectively. Third, we employ various engineering

disciplines to address the needs of each assignment. Finally, GMB's Project Managers develop project schedules to effectively track the progress of the project.

- **Construction Administration:** GMB has provided Construction Administration (CA) and inspection services for infrastructure projects for fifty-seven years. GMB's Project Managers, Construction Representatives, and Inspectors (also known as Resident Project Representative – RPR) have extensive and specialized experience with many types of infrastructure and development projects. This experience translates into smoother-running construction projects due to detailed construction sequencing understanding during the design process. GMB understands timely problem resolution is the key to keeping a project on schedule and within budget once it enters the construction phase.
- **Change Orders:** No one likes change orders. Change orders resulting from unforeseen conditions or inaccurate record drawings are sometimes unavoidable. Construction change orders on GMB infrastructure projects typically average less than one (1) percent of overall construction costs. This low change order percentage can be attributed to GMB's quality control review procedures during design and our use of experienced personnel.
- **QA/QC:** During design, GMB assigns a senior level project manager, or construction representative, typically someone who is not actively working on the project, to perform a QA/QC and Constructability review of the Contract Documents prior to submittal and final bidding. This level of QA/QC helps to minimize the amount of change orders that will be encountered on a project.

#### **EXECUTION OF ON-CALL PROJECTS**

As mentioned above, our approach to a task oriented or "on-call" project is tailored to meeting the needs and goals of the client. Initially, the Town provides the framework and objectives of the tasks, followed by open communication to delineate the appropriate scope and utilization of resources. After the preliminary discussions have taken place and both the Town and GMB agree on the goals, we envision the following approach to develop and execute individual tasks in a cost-effective manner:

1. **Task/ Project Initiation:** After receiving notice of a task assignment, GMB will schedule a Task Initiation Meeting at the Town's convenience to discuss the scope of the project and facilitate a thorough understanding of the important issues and goals. We will review studies or materials furnished to us by the Town and make site visits and take photos as appropriate. A cost proposal will be prepared for approval by the Town prior to work initiation.
2. **Project Proposal:** The first action following project initiation will be the preparation of a specific project proposal. It will contain information concerning scope of services, budgets, schedules, key personnel, lines of authority and responsibility, administrative procedures, reference documents, and specific quality control procedures. This document will ensure that personnel involved in the project have access to pertinent scope and project specific information.
3. **Project Management:** After approval of the project proposal, we will initiate project teams to being will applicable project tasks. Regular meetings or telephone coordination as necessary, particularly during the initial phases, will ensure understanding and schedule compliance. We will compile a matrix of utility, environmental, or agency permits required, and will maintain this document in accordance with the project status. For each item, this listing will show schedule completion date, status, last submittal, and response date promised by reviewer, last contact by the design team, along with the name and phone number of the review agency contact. Where necessary, corrective actions will be implemented.
4. **Team/ Public Meetings:** If necessary, GMB will participate with the Town to inform residents on the impacts of reports and preliminary concepts/drawings, as well as obtain input from the public and Town staff prior to proceeding to final design or construction.
5. **QA/QC:** Work performed will be subject to an internal QA/QC program and reviewed prior to submission to the Town.
6. **Project Completion:** Utilizing the techniques described in the paragraphs above, GMB will work within the scope of each task to complete the required field assessment, planning, design, cost estimating, and construction components to accomplish the Town's goals.

## REFERENCES

GMB is proud to have worked with the following clients. We encourage The Town of Federalsburg to contact them as a reference.



1. **Mr. Marc Henderson**  
City Manager  
City of Fruitland, Maryland  
401 E. Main Street, P.O. Box F  
Fruitland, MD 21826-0120  
Phone: 410-548-2809; Fax: 410-548-4362  
[mhenderson@cityoffruitland.com](mailto:mhenderson@cityoffruitland.com)



2. **Ms. Erin Braband**  
Town Administrator/Clerk  
Town of Trappe, Maryland  
PO Box 162, Trappe, MD 21673  
410-443-0087  
[clerk@trappemd.net](mailto:clerk@trappemd.net)



3. **Ms. Leisl Ashby**  
Director of Facility Services  
Wicomico County Public Schools  
2424 Northgate Dr.  
#100  
Salisbury, MD 21801  
410-677-5926  
[lashby@wcboe.org](mailto:lashby@wcboe.org)



4. **Mr. John D. Psota**  
Director of Administration  
Wicomico County, Maryland  
P.O. Box 870  
Salisbury, MD 21803  
Ph: 410-548-4801  
[jpsota@wicomicocounty.org](mailto:jpsota@wicomicocounty.org)



5. **Mr. Robert Resele**  
Town Manager  
Town of Rock Hall, Maryland  
5585 Main Street  
P.O. Box 367  
Rock Hall, MD 21661  
[rresele@rockhallmd.gov](mailto:rresele@rockhallmd.gov)

*“We appreciate GMB as a private sector partner and look forward to future collaborations.”*

**Ken Decker**  
County Administrator  
Caroline County,  
Maryland

*“GMB routinely deploys a highly efficient design team that places a high emphasis on problem solving, client needs, and budget goals. Based on my past professional experiences with GMB, I would highly recommend this firm.”*

Charles Anderson  
City Manager  
City of Seaford, DE

## SCHEDULE OF HOURLY RATES & EXPENSES

### HOURLY RATES

Effective July 1, 2021

CLASSIFICATION	HOURLY RATE
Senior Project Director	\$ 175.00 - \$ 210.00
Project Director	\$ 150.00 - \$ 190.00
Senior Project Manager	\$ 125.00 - \$ 170.00
Project Manager	\$ 105.00 - \$ 145.00
Assistant Project Manager	\$ 105.00 - \$ 140.00
Senior Project Engineer/Architect/Landscape Arch	\$ 105.00 - \$ 140.00
Project Engineer/Architect/Landscape Arch	\$ 95.00 - \$ 130.00
Graduate Engineer/Architect/Landscape Arch	\$ 85.00 - \$ 125.00
Senior Designer	\$ 80.00 - \$ 130.00
Designer	\$ 65.00 - \$ 100.00
CADD Operator	\$ 60.00 - \$ 85.00
Construction Representative	\$ 80.00 - \$ 120.00
Resident Project Representative (RPR)	\$ 55.00 - \$ 110.00
Senior Project Coordinator	\$ 80.00 - \$ 110.00
Project Coordinator	\$ 65.00 - \$ 100.00
Surveyor	\$ 95.00 - \$ 135.00
Survey Crew Chief	\$ 70.00 - \$ 120.00
Survey Technician	\$ 40.00 - \$ 80.00
Administrative/IT Support	\$ 40.00 - \$ 100.00
GIS Specialist	\$ 60.00 - \$ 95.00
Senior Technician	\$ 50.00 - \$ 100.00
Technician	\$ 30.00 - \$ 60.00

### EXPENSES

All items per each, unless noted.

Internal:

Photocopies:	
Black & White	\$ 0.20
Color	\$ 0.50
Prints/Plots:	
Black & White/Color	\$ 0.50 /s.f.
Mylar	\$ 2.00 /s.f.
Travel:	
Mileage	\$ 0.56/mile*
Subsistence (Meals & Lodging)	At Actual Cost
Overnight/Immediate Delivery	At Actual Cost
Survey Crew Rates	
2 person crew	\$ 130.00/hour
3 person crew	\$ 150.00/hour
Other:	
Electronic Media Copies/Transfers/File	\$ 300.00/file
Website Project File Sharing	\$ 1.00/MB/month
Construction Management Software	\$ 200.00/month
Surveying Equipment/Total Station Only	\$ 35.00 /day
Surveying Equipment/Total Station + GPS Unit	\$ 150.00 /day

\* To be adjusted annually on January 1, in accordance with the Internal Revenue Service Directives

## PROFESSIONAL LICENSES AND INSURANCE

GMB employs numerous professionals licensed in the State of Maryland who will direct the work performed under this contract. For individual license numbers, please see the resumes listed in the Key Personnel section.

Additionally, George, Miles & Buhr, LLC (GMB) as a firm is licensed through the Maryland State Board for Professional Engineers as a 09-PE FIRM – LLC through license #47468. A copy of that license is included on the following page.

### **INSURANCE COVERAGE**

GMB maintains a wide array of insurance coverage, including a \$3 million Professional Liability Insurance (PLI) aggregate, as well as \$3 million General Liability Aggregate, which is supplemented by a \$5 million Umbrella Liability policy.

We have the ability to name the Town of Federalsburg as additionally insured.

We have included blank copies of our Certificates of Insurance on the following pages.

STATE BOARD FOR PROFESSIONAL ENGINEERS

23 09 47468  
MESSAGE(S) :

GEORGE MILES & BUHR LLC

60 10-10-2019



LICENSE \* REGISTRATION \* CERTIFICATION \* PERMIT

Lawrence J. Hogan, Jr.  
Governor  
Boyd K. Rutherford  
Lt. Governor  
James E. Rzepkowski  
Acting Secretary

STATE OF MARYLAND

DEPARTMENT OF LABOR, LICENSING AND REGULATION

STATE BOARD FOR PROFESSIONAL ENGINEERS  
CERTIFIES THAT:

GEORGE MILES & BUHR LLC



IS AN AUTHORIZED: 09 - PE FIRM - LLC

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
47468	11-01-2021	N/A	5421322

*[Signature]*  
Signature of Bearer  
WHERE REQUIRED BY LAW THIS MUST BE CONSPICUOUSLY DISPLAYED IN OFFICE TO WHICH IT APPLIES

*[Signature]*  
Acting Secretary DLLR

23 09 47468

5,421,322

STATE BOARD FOR PROFESSIONAL ENGINEERS  
500 N. CALVERT STREET  
BALTIMORE, MD 21202-3651

GEORGE MILES & BUHR LLC  
206 W MAIN ST

SALISBURY

MD 21801

23 09 47468

LICENSE \* REGISTRATION \* CERTIFICATION \* PERMIT

STATE OF MARYLAND  
DEPARTMENT OF LABOR, LICENSING AND REGULATION

STATE BOARD FOR PROFESSIONAL ENGINEERS  
CERTIFIES THAT:  
GEORGE MILES & BUHR LLC

IS AN AUTHORIZED: 09 - PE FIRM - LLC

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
47468	11-01-2021	N/A	5421322

*[Signature]*  
Signature of Bearer

*[Signature]*  
Acting Secretary DLLR



