ARCHITECTS

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July 12, 2012

Ms. Connie Hill
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305

RE: Request for Proposals – Coal Heritage Discovery Center

Dear Ms. Hill & Members of the Selection Committee:

GWWO, with our team of consultants, is pleased to submit our proposal to provide planning and design services for the Coal Heritage Discovery Center. We have assembled a talented team of professionals specifically suited to this effort. We offer highly relevant and significant experience related to all aspects of this project, including adaptive reuse of historic structures and design of visitor centers.

GWWO has been **trusted with the preservation of many significant historic structures** throughout the firm's history and a large portion of this work has involved adaptive reuse for visitor use. We have worked with the State Historic Preservation Officers in ten states, including West Virginia, to realize historically responsive and sensitive design solutions.

During the last five years alone, GWWO has worked on more than thirty interpretive facility projects, achieving a national reputation for the design of visitor centers and interpretive facilities. Many of these facilities have earned **LEED Certification** and incorporate **sustainable, green technologies**. GWWO works with our clients to create visitor experiences that both enhance regional tourism and increase site visitation.

We would welcome the opportunity to meet with you to more fully discuss your needs and our related qualifications, and to introduce you to our key personnel who will work with you throughout this project. To arrange this meeting, or if we can provide you with any additional information to assist in your decision, please do not hesitate to contact us.

Thank you for your time and consideration.

Sincerely,
GWWO, Inc./Architects

David G. Wright, FAIA, LEED AP
Principal

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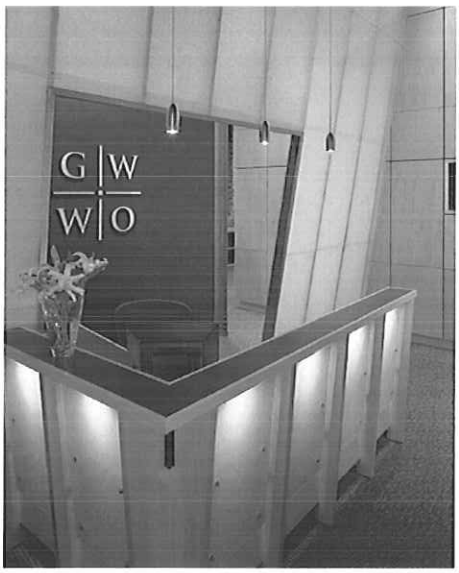
ALAN E REED, FAIA • PAUL L. HUME, AIA • MARK A. LAPOINTE, AIA • TERRY SQUYRES, AIA
DAVID G. WRIGHT, FAIA • PHILLIP W. WORRALL, AIA, EMERITUS • ROBERT D. O'HATNICK, AIA, EMERITUS

Introduction

We are excited to explore the possibilities of the Coal Heritage Discovery Center with you! This project is exactly what we do. GWWO has built a national reputation for the design of visitor centers, we also have a forty year history of successful historic renovation and adaptive reuse projects, making us the perfect partner to work with you in creating a dynamic visitor experience at the Coal Heritage Discovery Center.

We have provided a brief introduction to GWWO and our team, as well as a narrative response to your evaluation criteria per the solicitation. We hope you will agree that our expertise matches your needs for this important project.

GWWO overview



GWWO is an award-winning architectural practice focused on **client service and design excellence**. A full-service firm, we specialize in providing services for cultural and educational facilities with an emphasis on quality design that is both inspirational and evocative. We cultivate and maintain enduring relationships with our clients by providing a broad array of expanded services. Our experience spans more than forty years and includes many award-winning efforts.

GWWO has completed projects throughout the Eastern United States and the territories. The firm's size—approximately 46 staff, including nineteen registered architects—lends itself to a "hands-on" atmosphere in which the principals are deeply involved in client service and project management.

We offer a broad array of expanded services. GWWO offers services to assist clients from the first conceptual stages of development through final design and construction. Our services, which are tailored to the individual needs of each client, include:

- Adaptive Reuse, Renovation, Addition & New Construction Design
- Feasibility Studies
- Facility Assessments
- Space Planning and Programming
- Master Planning
- Site Selection Studies
- Sustainable Design/LEED Certification
- Preparation of Fundraising Materials
- Construction Administration
- Post-Construction Services

We **work in partnership** with our clients. GWWO believes that the best designs evolve from a collaboration of user, owner and designer input. We work in partnership with our clients to develop individualized design solutions that respond to each project's unique needs and goals. For us, a project is not successful simply because it wins an award or is praised by architectural critics. Rather, we think that the most successful projects are those that work for the users—in form and function. We strive to

embody the mission and spirit of each client's organization in our designs and to create facilities that are equipped to meet user needs today, while being flexible and adaptable to meet future demands.

Consultant team overview

GWWO has complied a talented and experienced team for the successful delivery of this project. Henry Adams, LLC will serve as the MEP engineer for this project, and have extensive experience working nation-wide on historic renovation and adaptive re-use projects, as well as visitor centers. Faisant Associates will serve as structural engineers for the Coal Heritage Discovery Center, and similarly have extensive experience on this project type, and notably both Henry Adams and Faisant have a long relationship working with GWWO on interpretive center designs. Anderson & Associates will serve as the Site and Civil engineering firm for this endeavor. Anderson are local to this project, and are currently providing land development services in Mount Hope, West Virginia. Although we have not worked directly with AA before, we felt it was important to team with a local civil engineer to ensure they are abreast of not only the national standards and codes, but also of West Virginia standards and permitting processes.

Please see Tab 4 for a more in-depth look at our consultant team and their project experience.

Demonstrated success in design plans for restoration and adaptive reuse of historic structures in compliance with the Secretary of the Interior's Standards for Rehabilitation of Historic Structures and in consultation with the WV State Historic Preservation Office

Since our founding, GWWO has completed projects for more than one hundred structures of historical merit, including many listed on the National Register of Historic Places. Our focus is on awareness of and sensitivity to the character-defining features, historic fabric, and historic scene of the structures we work on.

Our experience with the renovation of existing facilities of architectural and historical merit began in 1971 with the design of the original Brandywine River Museum in Chadds Ford, Pennsylvania, which involved the adaptive reuse of an 1864 grist mill to house the Museum. Specifically related to this project for the Coal Heritage Discovery Center, much of our work has involved the adaptive reuse of historic structures for museum and visitor center use. In addition to the conversion of the historic grist mill to house the Brandywine River Museum, similar adaptive reuse efforts have included:

- *Fredericksburg Area Museum & Cultural Center:* Adaptive reuse of an historic 1927 bank complex to house expanded education, exhibit, and retail facilities for the Museum (pictured)

- *Maryland Historical Society:* Adaptive reuse of a 1940's deco-style Greyhound bus terminal building, a structure listed as a Maryland State Landmark, to house museum-quality exhibit spaces and support facilities for the Society
- *Walters Art Museum:* Adaptive reuse of an 1852 National Register-listed mansion to house the Museum's Asian Art collection
- *National Museum of Dentistry:* Adaptive reuse of an historic dental school building and design of an infill atrium addition, adjacent to the oldest medical teaching facility still in operation in the northern hemisphere, to house this new museum
- *Harpers Ferry National Historical Pak, McGraw Block:* Restoration & rehabilitation of six 19th century historic National Register buildings in the McGraw Block of Harpers Ferry's Lower Town for use as exhibit spaces, a dry goods store and administrative spaces
- *Charlotte Hall Visitor Center:* Planning and design for the adaptive reuse of an existing residential structure to house a visitor center for St. Mary's County, including lobby/reception area, exhibits, retail space and related administrative support spaces, as well as site improvements to improve visitor orientation and access and planning for a future addition

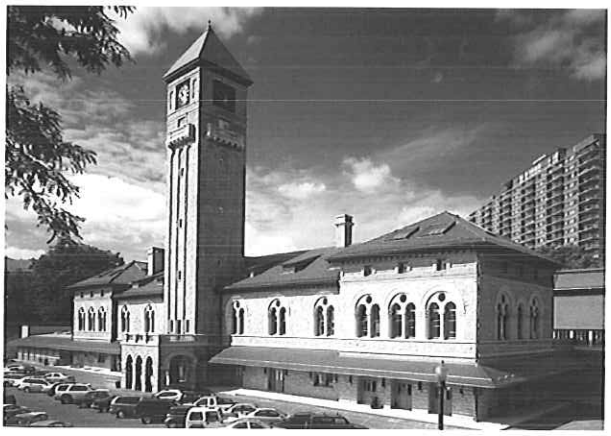
As is anticipated for the Coal Heritage Discovery Center, many of our facilities also serve as "jumping off" points for more extensive regional tourism. The Harpers Ferry Lower Town exhibit center is one example—the building provides an exhibit experience in its own right, while also offering orientation to all of the sites and opportunities within the area. Our experience also includes work at many Civil War sites throughout Virginia, Maryland, and Pennsylvania, where the interrelationship of the various battles and their impacts on the War is demonstrated, prompting visitors to explore regional sites and their linkages for greater understanding. Our projects create awareness, understanding, and a desire to learn, do, and see more.

For the projects highlighted above and many others, we have routinely implemented the Secretary of the Interior's Standards for the Treatment of Historic Properties, and are also fully aware of and have experience with all related review and approval processes and bodies, including:

- Section 106 review and approval process, enacted through the National Historic Preservation Act of 1966 (as amended in 2006)
- Archaeological and Historic Preservation Act of 1974
- Archaeological Resources Protection Act of 1979 (as amended)
- 36 CFR Part 68, the Secretary of the Interior's Standards and Guidelines for Archaeology and Preservation
- 36 CFR Part 67.7, Secretary of the Interior's Standards for Rehabilitation

Additional GWWO projects that have involved application of these standards to projects listed on The National Register or located within **National Register districts** include:

- *Grand Opera House*, Wilmington, DE. Complete interior and exterior restoration of this 1871 National Register building
- *George Washington's Mount Vernon Estate & Gardens*, Mount Vernon Inn, Mount Vernon, VA. Additions and renovations to the existing National Register listed Mount Vernon Inn
- *Walters Art Museum*, Hackerman Mansion Restoration, Baltimore, MD. Adaptive reuse of the National Register property in Baltimore's historic Mt. Vernon community (pictured)
- *College of Notre Dame of Maryland*, Gibbons Hall, Baltimore, MD. Renovations to this Maryland Historical Trust registered 80,000-SF building with classroom
- *Maryland Institute College of Art*, Mount Royal Train Station, Baltimore, MD. Phased renovations to the 50,000-SF 1896 National Register-listed Mount Royal Train Station (pictured left)



- *Princeton University*, Alexander Hall, Princeton, NJ. Restoration and adaptive reuse of the university's original commencement space within the National Register Building
- *Cumberland Island National Seashore The Grange*, St. Mary's, GA. Conditions assessment, including architectural, structural, mechanical, plumbing and electrical systems evaluation, and subsequent Class C cost estimate and life cycle cost analysis associated with the preservation and maintenance of this 7,000-SF National Register-listed historic structure
- *Stieff Silver Building*, Baltimore, MD. Adaptive reuse of two buildings, constructed in 1928 and the 1970s, to house new office space, some of which serves as GWWO's offices (pictured right)

GWWO has also worked with oversight review and approval agencies including the State Historic Preservation Officers in more than a dozen states, including West Virginia. More than thirty of GWWO's historic projects have undergone such reviews. Specifically, we have experience with the **West Virginia State Historic Preservation Office**. We have worked closely with Susan Pierce and her staff on multiple projects, including four projects at Harpers Ferry National Historical Park, which included numerous reviews and approvals by the WV SHPO.

Demonstrated expertise in utilizing latest energy saving technologies and use of alternative energy sources in building design

GWWO is committed to meeting the challenges of the future through design decisions today and we take seriously our role as stewards of the built environment. The firm has been incorporating environmentally sensitive design strategies into our work since our founding—our focus is on providing for less consumption and environmental impact and more efficiency, savings and sensitivity.

Twenty-one of GWWO's architectural personnel are LEED Accredited Professionals and the firm stays abreast of the latest in green building advancements through membership and participation in the US Green Building Council, the AIA's Committee on the Environment and other related organizations. With LEED Accredited professionals on the project team, we are committed to assisting the State of West Virginia in designing renovations for the Coal Heritage Discovery Center in a low-impact, eco-friendly manner which will achieve the State's sustainability goals. Our design of sustainable projects take into account the following considerations:

- Sustainable materials
- Solar energy capturing
- Recycled content
- Multi-modal connectivity
- Green roofs and rain gardens
- Rainwater harvesting and recycling systems
- Solar orientation
- Daylighting
- Native and drought-tolerant plants
- Water quality enhancements
- Bicycle and pedestrian planning
- Mixed-use redevelopment
- Efficient irrigation practices
- Solar powered pedestrian lighting
- Hardscape surface materials and colors

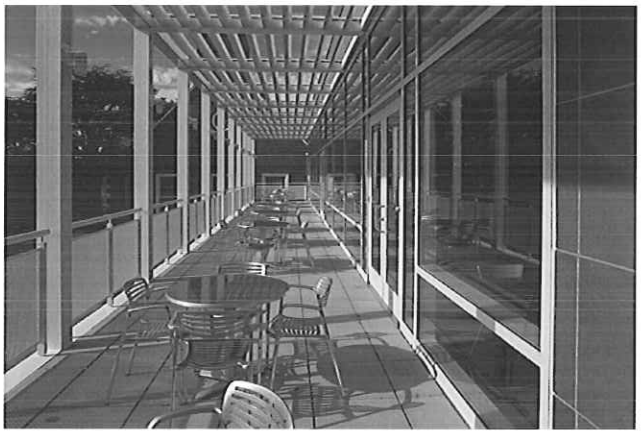
GWWO works with our clients to identify the sustainable design opportunities most appropriate for each project and to maximize sustainability while keeping within our clients' budgets and achieving all project objectives.

The recently opened Robinson Nature Center is a prime example of GWWO's ability to **utilize energy saving technologies**, and **alternative energy sources**. The building is certified **LEED Platinum**– the highest level of LEED certification from the USGBC. The new nature center relies on geothermal technology for its heating and cooling, since at a certain depth, the temperature of the ground remains constant, no matter the season. Fluid-filled pipes draw heat from this deeper ground layer into the building in the winter. In the summer, the same pipes release excess warmth from the building into the ground.

Using no oil or natural gas, this system cuts the Robinson Nature Center's heating and cooling energy use by 30% over a conventional air source heat pump system.

Other notable sustainable features include FSC-certified wood, pervious paving, low-emitting materials (such as carpet, sealants and paints that do not emit a significant amount of pollutants into the air), and locally produced materials such as stone, glass and gypsum board. An exhibit in the center showcases these design elements, and teaches the visiting public why this green initiative is so important to Robinson Nature Center. The Robinson Nature Center holds public lectures and tours on site detailing the green building design, which they hope will increase the community's awareness of environmental issues.

Another example of integrated sustainability is seen in our renovation and addition of historic Hodson Hall at Washington College. The College's main dining and student services facility was originally constructed in 1936, with an addition in 1965. As part of this project, the latter addition was demolished and a new approximately 40,000-SF addition constructed in its place.



In the original structure, which houses student study spaces and one of the College's main special event spaces, sensitive upgrades were made to meet modern accessibility requirements and to address deficiencies in the building systems, including installation of a new sustainable geothermal heating and cooling system, while retaining the building's historic character and details. The new addition features a transparent central volume anchored by a solid brick form to give the complex a cohesive image, seamlessly blending old and new.

Finally, GWWO was also recently selected to work with the Rehoboth Beach Dewey Beach Chamber of Commerce and their partner organizations to create the "off the grid" Destination Station Center. A combined energy science lab and education center, the facility will not only take advantage of natural energy production, but will showcase these always-evolving technologies through fluid updates—becoming a model of working alternative energy in action. Many of our team's projects embrace this approach, where the sustainable features, and the structure and site themselves, become part of the learning experience, showcasing these technologies as **learning tools** to educate the public about how they can also make a difference in the environment.

Additional examples of LEED certified, and sustainable projects recently designed include:

- *Towson University West Village Commons*–LEED Gold certified; daylighting, green roof, preservation of 100 year-old Elm tree
- *Gunpowder Falls State Park Visitor Services Building*–LEED Silver certified; geothermal heating and cooling, daylighting, indigenous plantings
- *Vollmer Visitor Center at Cylburn Arboretum*– Built to Baltimore Green Building Standards; green roof, daylighting, composting toilets
- *Irvine Nature Center*– Highly sustainable, local building materials, indigenous plant species
- *Catskills Interpretive Center*–Designed to LEED Silver; local materials, energy saving design features
- *Killens Pond Nature Center*–LEED Silver certified, rain water collection and reuse system (pictured left)
- *Fort McHenry Visitor Center*–LEED Gold certified; geothermal heating and cooling, reuse of historic Fort bricks (pictured right)

Demonstrated success in identifying and accessing additional funding for rehabilitation and adaptive reuse of historic structures

GWWO has extensive experience working with non-profit organizations, including assisting with fundraising efforts. In fact, the majority of our visitor center, museum, theatre, cultural and higher education clients operate as non-profit organizations. Our experience in working with clients to acquire funding through the city, state, and federal governments have included assistance with grant writing, applications to Save America's Treasures, SHPO funding, and more. For example, we worked on The Arts Centre in West Virginia, listed on National Register of Historic Places, where we provided renderings for fundraising and assisted in the writing of a successful grant application.

For all projects we can provide a full range of fundraising assistance services to clients including:

- Presenting to the state legislature and other bodies to obtain grants
- Providing exciting art/graphics for new project publicity & fundraising
- Identifying and pricing building components for donor funding
- Designing and providing construction services to honor donors (plaques, signs, paving materials, etc.)
- Participating in fund raising events

GWWO can provide the Coal Heritage Discovery Center with all of these services. We can produce drawings, perspectives, models, renderings and 3-D graphics and walk-throughs according to your needs. In addition, if a project web site is desired, this can also provide a vehicle by which to encourage giving and recognize donors.

Notably, we think that one of the keys to successful fundraising efforts is keeping the community involved throughout the project. For The Arts Centre project, we met with community groups, represented the project to the press and participated in public forums and other events to promote the project. We continued to be involved in community and fundraising events as the project moved forward through design and we worked with the client to incorporate ways to build community excitement and capital campaign dollars during the project construction phase. We explored ways to "wrap" the building in locally produced art during the renovation (pictured above left). This would serve as a decorative screen and will build anticipation until the final unveiling at construction completion. After the unveiling, works from the "wrapping" would be auctioned off to raise additional money for the Centre's programs.

Also, relevant to the Coal Heritage Discovery Center, is our ability to work with you to research and obtain tax credits. A recent example of this is seen at Maryland Institute College of Art, where we worked with the college to coordinate and facilitate the use of historic tax credits. The project included phased renovations to the 50,000-SF 1896 National Register building to house new classrooms, studios and support spaces for the Institute's fiber and general sculptural studies programs, including

reconfiguration of interior space to increase efficiency, preservation of interior finishes, exterior repairs and cleaning, integration of new HVAC and technology systems into the historic fabric.

GWWO is well-versed in counseling less experienced clients and owners of the availability of state and government funds set aside for historic projects, and also of funds that may be available to clients after the building is completed. We will work with you to explore all options of available funds, from donors to state and government funds, and also to help raise awareness and get donors **excited** about the Coal Heritage Discovery Center.

Demonstrated success in construction oversight and management on historic structures utilizing federal and state funding

It is extremely important to provide construction oversight and management on historic structures renovations and adaptive reuse projects to ensure that none of the historic fabric is lost in the construction process. Furthermore, GWWO feels that providing a strong presence on site during the construction phase can mitigate risks due to contractors who may not be as educated on the historic fabric of the building and the important historical context of the project.

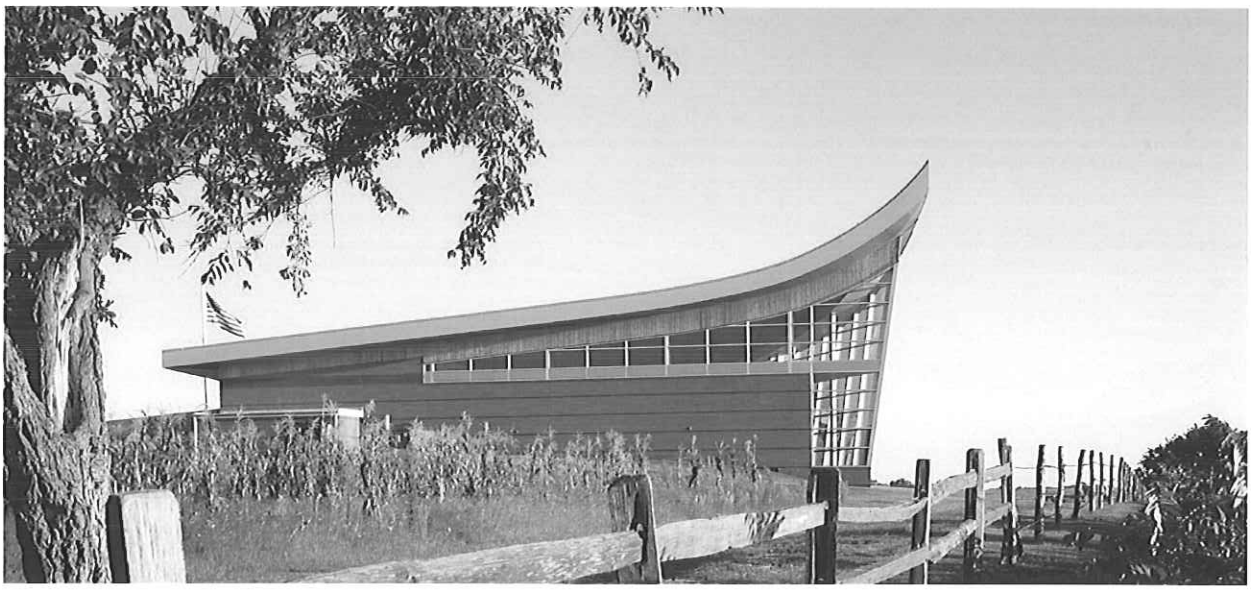
GWWO will begin the construction phase of the Coal Heritage Discovery Center with an in depth pre-construction meeting in which we will outline the project goals, and risks involved in this historic project. We will keep open the channels of communication between the entire team, so that everyone is "on the same page". Incorporating a qualified general contractor to participate along with continued support of the design team throughout construction can be challenging. In an existing structure, it is inevitable that unforeseen conditions will be discovered during construction, however, with good team communication including all parties, solutions to these challenges can be quickly determined and progress can continue toward the successful completion of the project, which ultimately is the reward for all involved.

Given the higher probability for unforeseen conditions to arise, GWWO feels it is important to provide intense construction management and administration throughout the entire construction phase so that timely and innovative solutions can be made with as little damage and alterations to the building fabric as possible. A component of this oversight is the effort we put into being on site and **working directly with the construction team**.

During the construction phase of the historic train rehabilitation at Harpers Ferry National Historical Park, GWWO provided thorough construction administration services on site. Due to the multiple project stakeholders involved in the project, the National Park Service, CSX railroads and the town of Harpers Ferry, which increased the room for miscommunication and construction error, GWWO essentially served as the NPS on-site construction manager to ensure coordination and accuracy. The successful renovation project has been recognized with numerous awards and accolades and serves as a demonstrated success in the renovation and adaptive reuse of a historic structure.

Other examples of historic renovation and adaptive reuse projects and visitor centers where we have provided intense construction management services include:

- *David Wills House Museum,* Gettysburg, PA. Exterior restoration and interior rehabilitation of the house where Lincoln completed the Gettysburg Address
- *Maryland Institute College of Art, Mount Royal Train Station*, Baltimore, MD. Phased renovations to this 50,000-SF 1896 National Register building to house new classrooms, studios and support spaces
- *Washington College Hodson Hall Commons*, Chestertown, MD. 40,000-SF addition and full renovation to an existing historic building to create a new student center complex
- *Chesapeake & Ohio Canal National Historical Park, Great Falls Tavern,* Potomac, MD. Rehabilitation of the existing historic Great Falls Tavern, including essential preservation as well as the design of a new visitor services building to house changing rooms and comfort facilities
- *Everglades National Park, Visitor Center,* Homestead, FL. New 8,000-SF visitor center, which serves to orient and educate visitors about the park environment
- *Fort McHenry National Monument & Historic Shrine, New Visitor Center,* Baltimore, MD. Design of a new 20,000-SF visitor center to accommodate increased visitation to the nearly 200-year-old star-shaped fort which provided the inspiration for Francis Scott Key's authorship of the "Star Spangled Banner"
- *Homestead National Monument of America,* Beatrice, NE. New 10,600-SF Heritage Center which houses a museum that tells the Homesteading story (pictured)
- *Petersburg National Battlefield, New Five Forks Visitor Center,* Petersburg, VA. New multi-use visitor facility for Petersburg National Battlefield to provide orientation to visitors to the site of the battle of Five Forks



Ability to engage the community in the design process and seek public input into the final design

One of the key components of the process to design and construct new or renovated museum, community, institutional, and visitor facilities typically involves working with diverse client groups and/or community stakeholders to **generate consensus and build support**. This process often involves the organization's leadership, staff, board and committee members (many as volunteers), residents of the surrounding neighborhoods and region, representatives of local businesses and collaborating organizations and cooperating public agencies, and other concerned parties. GWWO routinely works with our clients to involve multiple stakeholder parties in the design process to understand concerns, prioritize needs and achieve consensus within the immediate and greater communities.

We believe that the key to the consensus building process most often lies in getting the word out, keeping stakeholders informed and involving them in the process.

GWWO can provide numerous vehicles by which to do this, including:

- Representation of the project, in conjunction with client group representatives and other team members, at client group and community meetings and before local, town, county and state agencies and development boards. We can field questions, gather opinions and prepare responses in cooperation with the Coal Heritage Discovery Center client group.
- Coordination with local media, including keeping them informed regarding major design decisions and project developments.
- Maintaining a project website featuring the latest site plans, designs and renderings, which can allow interested parties to review drawings, to e-mail comments to the team members, and to share opinions with each other online. During construction, updated video feed of the construction site can be available.

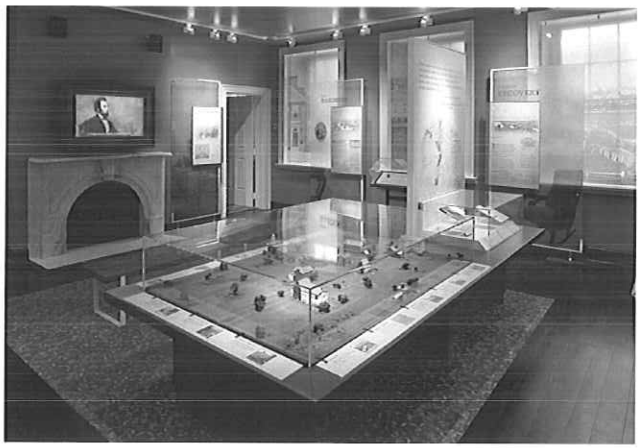
In all cases, we undertake the community involvement and consensus building process in conjunction with and at the direction of our clients. In one recent example, we worked with National Park Service to build consensus surrounding the design of the new Fort McHenry Visitor Center. Multiple meetings were conducted that included representatives from the Park, NPS Denver Service Center, NPS Northeast Region, Star-Spangled Banner National Historic Trail, City of Baltimore, State of Maryland Historic Preservation Office, Patriots of Fort McHenry friends group, State of Maryland Office of Tourism, and three surrounding community groups. The resultant design has earned praise from park officials, the local community and the government alike.

Another example is our work on the interpretive center and site design for the Harriet Tubman Underground Railroad State Park, which involved stakeholders from multiple community groups, the Maryland Park Service, Maryland Department of Natural Resources, Maryland Office of Tourism, Dorchester County Office of Tourism, National Park Service, and Maryland Department of General Services.

By addressing stakeholder and community concerns early in the design process, we are able to gain their support from the outset. With everyone "on board" and excited about the project, we can proceed to provide responsive designs that are the product of stakeholder input, programmatic needs, solid design decisions and creative vision.

Conclusion

We are excited about the possibilities of the Coal Heritage Discovery Center, and feel we are the right choice to partner with you on this project. GWWO is currently in good standing with the State of West Virginia. Should you have any questions, please feel free to contact David Wright, Principal-in-Charge for this project at 410.332.1009. Thank you for your consideration.



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David G. Wright, FAIA, LEED AP

Principal-in-Charge / Historic Architect

Education

Harvard College
Bachelor of Science, Mathematics, cum laude, 1970

Harvard University Graduate School of Design
Masters of Architecture, 1974

AIA Silver Medal Award

Selected Awards

2011 AIA Baltimore Design Award
Harpers Ferry Train Station
Principal-in-Charge

2011 Building Congress & Exchange of Metropolitan Baltimore
Craftsman Award, Fort McHenry Education & Visitor Center

2008 Baltimore Heritage Award
MICA Mount Royal Train Station
Principal-in-Charge

2008 Baltimore County Historical Trust Preservation Award
Hampton National Historic Site
Principal-in-Charge

2007 Preservation Maryland Stewardship Award
Hampton National Historic Site
Principal-in-Charge

Professional Activities

AIA Corporate Member

American Association of Museums, Member

Association for Preservation Technology, Member

American Historical Print Collectors Society, Board Member

North American Print Conference 2007, Speaker

Architectural Registration

Maryland

Mr. Wright serves as a Vice-President and Principal-in-Charge of Historic Architecture for the firm. His responsibilities cover all areas of project planning, design, administration and implementation.

David has served as project and preservation architect for institutional, museum, visitor center, theatre and education programs, for institutions that include the Walters Art Museum, the National Museum of Dentistry, Princeton University and the Maryland Historical Society. He has written and designed long range planning studies for various institutional clients and has extensive experience in preservation architecture and historic building documentation. In 2011, David was elevated to Fellow of American Institute of Architecture, and was recognized for his dedication to historic architecture.

Selected Project Experience:

Fredericksburg Area Museum & Cultural Center, Fredericksburg, VA. Exterior restoration and interior adaptive reuse of an historic bank complex to house exhibit galleries, children's educational area and gift shop, as well as curatorial, storage and administrative facilities.

Harpers Ferry National Historic Park McGraw Block, Harpers Ferry, WV. Exterior restoration & interior rehabilitation of six 19th century historic National Register buildings in the McGraw Block of Harpers Ferry's Lower Town for use as exhibit spaces, a dry goods store and administrative spaces.

Brandywine River Museum, Chadds Ford, PA. 40-year relationship with the museum, including original restoration and adaptive reuse of an 1864 grist mill to house the Wyeth collection, subsequent 50,000-SF gallery and administration addition and a recent master plan and programming update followed by gallery and support facilities renovations, as well as additions and new construction totaling 46,091-SF.

Harpers Ferry National Historical Park Train Station, Harpers Ferry, WV. Exterior restoration and interior rehabilitation of this historic 19th century train station to its 1931 appearance to accommodate shared use by the NPS, the Town of Harpers Ferry and CSX, including visitor orientation and comfort facilities, exhibits and ticketing.

David Wills House Museum, Gettysburg, PA. Exterior restoration and interior rehabilitation of the house where Lincoln completed the Gettysburg Address, including permanent and changing exhibits, restoration of the Lincoln Bedroom, classroom/conference rooms, library, archives, retail facilities, offices and visitor support spaces, as well as integration of new HVAC and fire protection systems into the historic fabric and code upgrades and structural improvements.

David Wright, FAIA, LEED AP *continued.*

Hancock's Resolution Visitor Center, Pasadena, MD. Design of a new interpretive center to highlight the pre-Civil War activity of this historic "middling plantation," including exhibits, lobby/ticketing area, retail space, multi-purpose room, administrative offices, and storage and support facilities.

Petersburg National Battlefield Five Forks Visitor Center, Petersburg, VA. New multi-use visitor facility for Petersburg National Battlefield to provide orientation to visitors to the site of the battle of Five Forks, including exhibits, interpretive opportunities and maintenance facilities for the NPS.

Monocacy National Battlefield Visitor Center, Frederick, MD. New 7,500-SF visitor center within the agricultural character of the historic battlefield viewshed, including exhibits, orientation services, bookstore and offices, as well as museum collection storage spaces, a new parking lot and extensive site work and utility upgrades.

National Museum of Dentistry, Baltimore, MD. Historic and structural research and restoration/rehabilitation planning & design, including historic structure evaluations, coordination of archeological needs, recommendations for stabilization, artifact/object conservation, conservation of historic landscape, and the introduction of a museum-quality environment, including an atrium addition & exhibition planning

George Washington's Mount Vernon Estate & Gardens, Mount Vernon, VA. 11-year relationship with the Mount Vernon Ladies' Association including four major projects: master planning for the historic estate, 55,000-SF of renovations and additions to the Mount Vernon Inn to expand food service and retail facilities and design of the new 30,200-SF Ford Orientation Center and new 41,000-SF Donald W. Reynolds Museum and Education Center.

Selma to Montgomery National Historic Trail, Selma and Montgomery, AL. Pre-design for the adaptive reuse of several historic buildings to house the new Selma Interpretive Center, and site selection and conceptual study for the new Montgomery Interpretive Center.

Maryland Historical Society, Baltimore, MD. Master planning, including evaluation of the 6-building complex and recommendations for phased upgrade and improvement, as well as subsequent designs for the adaptive reuse of a 1940s Greyhound bus terminal to house museum-quality exhibit space.

Walters Art Museum, Baltimore, MD. Master planning, renovations to the 1904 Wing, the adaptive reuse of the 1851 Thomas Jenks Gladding Mansion into the Hackerman House Museum of Asian Art, and assessment of the 1974 Wing with planning for upgrading/centralizing the mechanical, electrical, fire and security systems.

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John R. Gregg, AIA, LEED AP BD+C, AVS

Project Manager

Education

Ball State University
Bachelor of Architecture, 1999
Bachelor of Science in
Environmental Design, 1999

Selected Awards

2011 AIA Baltimore Design Award
Harpers Ferry Train Station
Project Manager

2010 Kent County Maryland Best
Institutional Designs Award
Hodson Hall Commons
Project Manager

2008 Baltimore County Historical
Trust Preservation Award
Hampton National Historic Site
Project Manager

2007 Preservation Maryland
Stewardship Award
Hampton National Historic Site
Project Manager

2004 AIA Baltimore Design Award
GWWO Design Studio
Project Manager

2004 Buildings Magazine
Modernization Award
Stieff Silver Building
Design Team Member

Professional Activities

Baltimore Chapter AIA, Member
Neighborhood Design Center,
Member/Volunteer

Baltimore Heritage, Member

Preservation Maryland, Member

National Trust for Historic
Preservation, Member

Architectural Registration

Maryland

John Gregg serves as a Senior Project Manager with GWWO. In this role, he is responsible for the management of all design professionals and the completion of design documents for projects that he is assigned. He follows the projects throughout their duration, oversees all decisions, works closely with all team members (including the client and user groups) and leads communication internally and between all consultant firms. He conducts weekly progress meetings attended by all staff working on his projects and serves as the primary point of contact for the client.

Mr. Gregg joined GWWO in 1999. He was named an Associate of the firm in 2003 and a Senior Associate in 2005.

Selected Project Experience:

Harpers Ferry National Historical Park Train Station, Harpers Ferry, WV. Exterior restoration and interior rehabilitation of this historic 19th century train station to its 1931 appearance to accommodate shared use by the NPS, the Town of Harpers Ferry and CSX, including visitor orientation and comfort facilities, exhibits and ticketing.

Plum Orchard Mansion, Cumberland Island, GA. Renovation and restoration of a 20,000-SF, 67-room historic mansion to serve as an interpretive site, including installation of fire detection and suppression systems, update of water source for fire suppression system, enhancement of ventilation system to reduce humidity, repair and restoration of all interior finishes and ADA improvements to provide access to the first floor and basement.

Fort McHenry Visitor & Education Center, Baltimore, MD. New 20,000-SF, LEED Gold certified, visitor center to accommodate increased visitation to the nearly 200-year-old star-shaped fort which provided the inspiration for Francis Scott Key's authorship of the "Star Spangled Banner," including exhibits, orientation facilities, a theater, retail space, offices and support spaces.

Monocacy Visitor Center, Frederick, MD. New 7,500-SF visitor center within the agricultural character of the historic battlefield viewshed, including exhibits, orientation services, bookstore and offices, as well as museum collection storage spaces, a new parking lot and extensive site work and utility upgrades.

Brandywine River Museum, Chadds Ford, PA. Extensive renovations and 14,140-SF addition to the museum, including new galleries, food service and retail facility improvements, new conservation and art storage facilities and expanded office facilities, as well as a new 25,351-SF Maintenance Building & a new 6,600-SF Business Building.

John Gregg, AIA, LEED AP BD+C, AVS *continued.*

George Washington's Mount Vernon, Mount Vernon, VA. New 41,000-SF Donald W. Reynolds Museum and Education Center, including state-of-the art interactive exhibits and learning facilities, as well as the new 30,200-SF Ford Orientation Center featuring two theatres with total seating for 450, ticketing, information services, a small retail operation and visitor comfort facilities.

Hampton National Historic Site, Towson, MD. Extensive upgrades to protect the Park's primary cultural resource and improve visitor conditions, including preservation of interior plaster and decorative woodwork, improvements to original windows and doors, new HVAC and fire suppression systems and installation of a geothermal deep well system to harvest site energy for heating and cooling.

Timucuan Cedar Point Visitor Services Facility, Jacksonville, FL. Design of a Visitor Contact Station including concession sales and related spaces, NPS offices, comfort facilities, showers and maintenance storage, as well as a wildlife observation area, picnic area, cabins and docks for fishing, recreation and maintenance.

Jean Lafitte National Historic Park & Preserve, New Orleans, LA. Design of a new 3,500-SF facility to replace the Chalmette Battlefield Visitor Center destroyed as a result of Hurricane Katrina floodwaters, including interpretive exhibits, education areas, offices, support spaces, collections storage, retail space, and a multipurpose room.

Selma to Montgomery National Historic Trail, Selma and Montgomery, AL. Pre-design for the adaptive reuse of several historic buildings to house the new Selma Interpretive Center, and site selection and conceptual study for the new Montgomery Interpretive Center.

Chesapeake & Ohio Canal National Historical Park, Potomac, MD. Rehabilitation of the existing historic Great Falls Tavern, including essential preservation, HVAC and ADA upgrades, life safety improvements and flood proofing, as well as the design of a new visitor services building to house changing rooms and comfort facilities.

Petersburg Five Forks Visitor Center, Petersburg, VA. New multi-use visitor facility for Petersburg National Battlefield to provide orientation to visitors to the site of the battle of Five Forks, including exhibits, interpretive opportunities and maintenance facilities for the NPS.

Abraham Lincoln Birthplace National Historic Site, Hodgenville, KY. Exterior restoration and interior rehabilitation to convert an historic 1932 log tavern to a visitor contact station with administrative offices for the park, including structural repairs and new building systems. Site work also includes upgrades to the parking area and existing utilities.

ARCHITECTS G|W W|O

Bryan Fisher, AIA, LEED AP

Project Architect

Education

University of Florida
Masters of Architecture, 2003

Goucher College
Bachelor of Art in Historic Preservation, 2000

Selected Awards

2010 Kent County Maryland Best Institutional Designs Award
Hodson Hall Commons
Project Architect

Architectural Registration

Maryland

Bryan Fisher serves as a Project Architect with GWWO. He will provide architectural design and production support to the project, working closely with the Project Manager and all team members. Bryan will support John and the team in producing all design and construction documents, preparing renderings, and developing presentation and fundraising materials. He will work on all aspects of document development, detailing, and coordination, providing support throughout all project phases.

Bryan joined GWWO 2008 and has contributed significantly to firm National Park Service projects since then.

Selected Project Experience:

Hampton National Historic Site, Towson, MD. Extensive upgrades to protect the Park's primary cultural resource and improve visitor conditions, including preservation of interior plaster and decorative woodwork, improvements to original windows and doors, new HVAC and fire suppression systems and installation of a geothermal deep well system to harvest site energy for heating and cooling.

Thomas Edison National Park, West Orange, NJ. Historic structure report documenting the current conditions and history of a poured concrete structure originally designed by Thomas Edison. As a result from this document, GWWO provided recommendations for future treatments and use of the structure.

Smithsonian Institution, Contee Farm, Edgewater, MD. Investigation and documentation of an historic ruin on the site of the Smithsonian Environmental Research Center (SERC), followed by careful stabilization so that no more masonry fabric will be lost from what remains standing.

Washington College Hodson Hall Commons, Chestertown, MD. 40,000-SF addition and full renovation to an existing historic building to create a new student center complex at the heart of this campus, including student lounge space, a game room, offices for student activities, student government and the campus newspaper, multi-purpose space, and dining facilities for 600 students.

Abraham Lincoln Birthplace National Historic Site, Hodgenville, KY. Exterior restoration and interior rehabilitation to convert an historic 1932 log tavern to a visitor contact station with administrative offices for the park, including structural repairs and new building systems. Site work also includes upgrades to the parking area and existing utilities.

College of William & Mary, Williamsburg, VA. Feasibility study and subsequent design for renovations and the integration of new building systems into the Brafferton, which was constructed in 1723 and is one of the oldest collegiate structures in the country.

HENRY ADAMS
Consulting Engineers

Donald Steiner, PE
Principal / Quality Control

Years Experience – TOTAL	39
Years Experience – HENRY ADAMS	39
Education	BAE / 1973 / Architectural Engineering / Pennsylvania State University MBA / 1988 / Business Administration / Loyola University
Registrations	2002 / Professional Engineer / West Virginia / 15124 Also registered in DC, DE, FL, GA, MA, MD, NE, NJ, NY, VA, WV
Professional Affiliations	ASHRAE, ASPE, NFPA, ICC, CSI

Professional Qualifications:

Mr. Steiner is responsible for design of all types of mechanical systems for major facilities including universities, office buildings, laboratories, hospitals, military facilities, and related buildings. With over 38 years of experience with Henry Adams, LLC, his areas of expertise include life cycle cost analyses and economic studies; analysis of design and alternatives; cost estimating; master planning; and design and documentation. As Quality Control Manager, he reviews designs for constructability, code compliance, and design effectiveness.

His analysis and engineering skills include all types of HVAC, exhaust and filtration systems, plumbing systems, fire protection systems and related utilities distribution, energy analysis, and cost estimating.

Mr. Steiner is knowledgeable in pumping and piping systems, including hydraulic calculations; air distribution and equipment sizing; control systems for temperature and pressure; and all design and construction criteria related to utility upgrades, including critical construction phasing and scheduling for uninterrupted utility services. Mr. Steiner is also knowledgeable of design considerations such as life safety and accessibility (ADA) requirements.

Mr. Steiner has significant specialization in renovation projects. His experience includes numerous projects involving existing condition evaluation; recommendations for corrective actions; and phased construction for occupied buildings. Much of his experience includes commercial, educational, institutional, industrial and governmental facilities.

Project Experience:

Boarman Arts Center, Martinsburg, West Virginia
Quality review of mechanical design for renovation of historic post office into 23,000 SF community arts building for teaching and performance facilities for music and visual arts.

Corps of Engineers, Fort McNair, Barracks Building 47, Virginia
Project manager for Building 47 – Complete renovation of historic barracks. Included new HVAC and plumbing systems for dormitory

Corps of Engineers, Fort Myer, Barracks Buildings 250 and 251, Virginia
Quality review for design to upgrade building systems of historic sleeping quarters

Hippodrome Theater Complex, Baltimore, Maryland
Quality Review for major renovation and expansion of the historic theater into a new performing arts theater with adjacent commercial businesses.

Morgan State University, Holmes Hall, Baltimore, Maryland
Project manager responsible for coordination of M/E design, design of mechanical equipment rooms, specifications, and life cycle cost analysis and review of final mechanical drawings for the 49,000 SF historic building housing offices and classrooms. Mechanical systems included variable air volume system, fan coil units with centrally ducted ventilation air, 100 percent direct digital control (DDC) systems, plumbing and fire protection.

National Park Service, Great Falls Tavern, Visitors Center, Potomac, Maryland
Quality Review for surveying and documenting existing conditions of the buildings and site. The firm designed the renovation of the visitors' center located in historic tavern, and provided the design of a new comfort station. The visitors' center includes exhibits, reception areas, library and staff offices. Provided design for upgrades to the HVAC system with new air handling units, low pressure ductwork and diffusers, a new hot water boiler and fuel oil tank, and a new air cooled chiller. Electrical upgrades include branch circuits for air handling units, new feeder for comfort station, life safety lighting, facade lighting for the main entrance and new distribution panel in the nearby pump house. A new fire protection system was engineered. The new comfort station is located near the visitors' center and includes family restrooms.

National Park Service, Hampton Mansion National Historic Site, Towson, Maryland
As part of an indefinite delivery contract, Mr. Steiner provided the quality review for the HVAC and fire protection design for 200 plus year-old mansion. Great care was taken to design a system that would preserve artifacts without destroying the structure.

National Park Service, David Wills House, Gettysburg, Pennsylvania
Quality Review for the renovation of the historic David Wills House, where Abraham Lincoln penned a portion of his Gettysburg Address. The renovation of 12,236 SF visitor center included HVAC, electrical, plumbing and telecommunication systems.

National Park Service, Plum Orchard Mansion, Cumberland Island, Georgia
Quality Review for the historical structures report detailing the existing conditions of the historic site. As a result of the report, a renovation and restoration of this 20,000-SF, 67-room historic mansion was completed. The purpose of this project was to complete a variety of improvements to stem exterior deterioration and preserve the interior character defining features for continued public interpretation in the Plum Orchard Mansion. Mansion is located on a remote barrier island off the southern coast of Georgia. The project also included the design of whole-house ventilation fans, upgraded ADA plumbing facilities and a complete sprinkler system. The sprinkler system included a diesel fire pump and storage tank.

National Park Service, John Wilson Building and Philip Coons Building, Harpers Ferry, West Virginia
Quality Review for the upgrade of existing HVAC and electrical systems and installation of new Fire Protection Systems for these historic structures, which are two 19th century structures located on the West end of the Lower Town of Harpers Ferry designated as building 44 and 45. The

structures house a bookstore, offices, public restrooms, storage spaces and other spaces to be preserved. This project was to do a conditions assessment of the existing HVAC, plumbing and electrical systems and provide design to upgrade any deficiencies. The design also incorporated a full coverage smoke detection system and dry pipe sprinkler system for the two adjacent structures.

National Park Service, Fort McHenry Visitor Center, Baltimore, Maryland
Quality Review for the mechanical, electrical and plumbing engineering design for the new 17,200 SF visitor center at Fort McHenry National Monument & Historic Shrine. The visitor center includes a combined exhibit and theater "immersion experience", multi-purpose room and expanded reception, orientation, retail and office spaces. The project was designed to achieve Gold LEED Certification.

National Park Service, General Grant's Tomb, New York
Quality Review for the renovation of this historic Riverside Park Viewing Pavilion and comfort station, which is directly across the street from General Grant's Tomb. The project incorporated a split system heat pump, new electrical, fire protection and telecommunications systems for the upgraded visitor contact station and public restrooms.

HENRY ADAMS
Consulting Engineers

James Good, PE, LEED AP

Director of Electrical Engineering / Senior Electrical Engineer

Years Experience – TOTAL	18
Years Experience – HENRY ADAMS	4
Education	BS / 1994 / Electrical Engineering / Florida Institute of Technology, Melbourne, Florida
Registrations	2004 / Professional Engineer / Maryland / #30999 2002 / Professional Engineer / Pennsylvania / #PE062032 2001 / Professional Engineer / Virginia / #0402-034166 2006 / Professional Engineer / Delaware / #14825 2011 / Professional Engineer / South Carolina / #29096 2009 / LEED Accredited Professional 2011 / NCEES / #45745
Professional Affiliations	Institute of Electrical and Electronics Engineers (IEEE) National Society of Professional Engineers (NSPE) Pennsylvania Society of Professional Engineers (PSPE) Association of School Business Officials (ASBO) The Electric League of Maryland Inc.

Professional Qualifications:

Mr. Good's areas of expertise include low and medium voltage power distribution systems, power generation systems, building and site lighting, fire alarm systems, access control, intrusion detection, CCTV systems, and communication systems. He has over 17 years of electrical engineering design practice encompassing preparation of construction documents, electrical commissioning, electrical testing; preventive and predictive maintenance programs; energy management. He has extensive experience in electrical commissioning, electrical testing; preventive and predictive maintenance programs; energy management. His market experience includes commercial, academic, government, healthcare, and industrial facilities completed in traditional design-bid-build, design-build, and other non-traditional delivery methods. His design build experience provides for constructability and engineering reviews that cover more than just the technical and code related issues, but also include evaluations of construction phasing, cost analysis and comparison, and system coordination and constructability.

He is a member of IEEE (Institute of Electronic and Electrical Engineers), NSPE (National Society of Professional Engineers), PSPE (Pennsylvania Society of Professional Engineers) and the Electric League of Maryland Inc.

Project Experience:

Cosmos Club, Washington, DC
Electrical Engineer. An existing conditions survey to assist the Cosmos Club in determining the need for electrical system upgrades for this 75,000 SF private social club founded in 1878. Also provided the design for installing an automatic sprinkler system and fire alarm system upgrade and replacement. Services were performed in a phased manner to allow continued operation and

occupancy of the Club. The work was done in coordination with historical preservationists to ensure that the historically significant areas were provided with a suppression and alarm system without altering the historical fabric and finishes of the building.

Discovery Creative & Technology Center, (DCTC), Silver Spring, Maryland
Lead Electrical Engineer responsible for the electrical design to convert and renovate of a three-story 140,000 SF historic retail store into a high-tech communication and computer facility. Involved intensive interface with all phases of construction, including multiple packages of shell and core design upgrades, in addition to a 12,000 SF computer facility with UPS's, generators, and dedicated electrical service. The facility included over 140 video editing suites to support multiple Discovery television channels.

The Engineers Club, Baltimore, Maryland
Senior Electrical Engineer. Designed the electrical, fire alarm, and AV systems for the Ballroom Renovation in the Historic Garrett Jacobs Mansion. This project included tracing and evaluation of existing conduits and circuits in historic walls and design of replacement. Design included complete renovation of old electrical service equipment to replace outdated panelboards, new theatrical lighting system for ballroom, and new fire alarm devices. The project included refurbishment of the existing abandoned skylights that were roofed over and filled with acoustic panels back to an interpreted historically correct skylight using light boxes. The light boxes were used for diffused air distribution between the panels of historic glass and contained both white and RGB LED light fixtures to produce a sky effect.

National Park Service, Fort McHenry Visitor Center, Baltimore, Maryland
Chief Electrical Engineer for the design for the new 17,200 SF visitor center at Fort McHenry National Monument & Historic Shrine. The visitor center includes a combined exhibit and theater "immersion experience", multi-purpose room and expanded reception, orientation, retail and office spaces. The project was designed to achieve Gold LEED Certification.

Reagan National Airport, Concourse A Renovations to Food Vendors
Senior Electrical Engineer. Electrical engineering design services and MEP project manager for interior fit-out renovations for the multiple food vendors within the historic Concourse A of Reagan Washington National Airport. The electrical design included power panel replacement, branch circuit modifications, lighting design. Ensured that all electrical construction documents conformed to MWAA design standards and NEC requirements. Reviewed and commented on all electrical bid documents for this project and assured changes were made prior to advertisement.

Smithsonian Institution, National Museum of American History, Star-Spangled Banner Temporary Visitor Exhibit and Conservation Lab, Washington, DC
Electrical Designer. Designed the electrical and lighting systems for the temporary visitor exhibit and conservation laboratory for the Star-Spangled Banner. The conservation lab included a cylinder roll and table and a movable gantry suspended over the flag that conservators would lay on during the cleaning and restoration of the historic flag. The temporary visitor exhibit included a glass wall to allow museum visitors to observe the conservation of the flag. Specific low lighting levels, as well as, specific types of UV filtered lamps and task lights were incorporated into the design. Electrical design supported the HVAC system of the conservation laboratory included a positive pressure clean room environment that had critical temperature and humidity requirements. The cylinder and table where later incorporated into the permanent exhibit.

HENRY ADAMS
Consulting Engineers

Smithsonian Institution, National Museum of Natural History, Ocean's Exhibit, Washington, DC

Senior Electrical Engineer and Project Manager for MEP design for the renovations to Halls 8, 9, and 10 on first and second floors of the National Museum of Natural History to support the Ocean's Exhibit. This building is designated as a historical structure and project included restoring this exhibit hall space to 1920s interpreted condition. This involved extensive architectural changes that included restoring the exterior windows in the main and side galleries adding new demands to the HVAC system for heat loads and air infiltration. The new work for the MEP systems was integrated with all architectural modifications for this project area. The complete HVAC systems for this space was designed to meet modern outside air ventilation design criteria, while still maintaining humidity control which was critical to the museum. The HVAC system components was custom designed to fit within existing spaces and required detailed calculations of air flow pressures in duct work to route through existing spaces with multiple bends in the route and also to meet noise criteria. The HVAC distribution in the multistory central gallery included high velocity diffusers. New power and lighting systems to support the exhibit was detailed extensively in design to coordinate with original terrazzo floors and block and plaster walls deemed to be historical finishes. Lighting consisted of two circuit track lighting for exhibit spaces and general purpose lighting. Additional housekeeping lighting was also provided for maintenance of the exhibit when closed to the public. Exhibit and general purpose lighting was controlled by architectural dimming system designed specifically for the space. This project included multiple new electrical rooms with segregated power to serve the exhibit space. As part of this project to restore space to the 1920 era interpretation the interior walls that created a back of house space around the exhibit hall thus blocking the windows was removed. In this space electrical distribution busway was installed in approximately 1950 during renovations and was located at approximately five feet above finished floor. With the removal of these walls to expose the windows and exterior wall the electrical busway was required to be removed. This electrical distribution busway served not only this exhibit hall and the historical escalator system, but also multiple side galleries and whole wings of the museum. A phased and coordinated approach for removal of this busway was required to minimize disruption of electrical service to other areas of the museum, while hiding the new system from public view.

Atul C. Patel, P.E.
Faisant Principal-in-Charge

Registration: P.E. Maryland (15238), Virginia, Washington DC, Connecticut, Missouri, Ohio, Michigan, and West Virginia.

Mr. Patel is President of Faisant Associates, Inc. and has over 33 years of professional experience in structural design.

Mr. Patel has worked on numerous historic buildings for private and government clients, and has successfully completed a wide range of projects in Maryland and regionally. He is experienced in project management, design, coordination and production of construction documents, and construction administration. He has full technical responsibility for interpreting, organizing and coordinating assignments. In a supervisory capacity, he directs the design of a number of projects of various scope and complexity.

He is a member of the American Society of Civil Engineers, American Concrete Institute and National Society of Professional Engineers.

Selected Project Experience:

Harpers Ferry National Historic Park, Rehabilitation of Train Station, National Park Service, Harpers Ferry, WVA

Marlboro Square, Baltimore, MD

Monocacy National Battlefield Park, New Visitor Center, National Park Service, Frederick, MD

Homestead National Monument, New Visitor Center, National Park Service, Beatrice, NE

Petersburg National Battlefield, Visitor Contact Station, National Park Service, Petersburg, VA

Cumberland Island National Seashore, Plum Orchard Mansion Rehabilitation, National Park Service, Cumberland Island, GA

The Brandywine Conservancy, Brandywine River Museum, Chadds Ford, PA

Edmund G. Foy
Faisant Project Manager

Mr. Foy is vice president of Faisant Associates, Inc., and has over 29 years of structural engineering experience. He is a former adjunct professor of structural engineering at Morgan State University and has experience in a diverse range of projects involving the restoration and reuse of historic buildings.

He is experienced in project management, design, coordination and production of construction documents, and construction administration.

He is a member of the American Society of Civil Engineers, the American Plywood Association and the American Institute of Steel Construction.

Selected Project Experience:

Harpers Ferry National Historic Park, Rehabilitation of Train Station, National Park Service, Harpers Ferry, WVA

Marlboro Square, Baltimore, MD

Monocacy National Battlefield Park, New Visitor Center, National Park Service, Frederick, MD

Homestead National Monument, New Visitor Center, National Park Service, Beatrice, NE

Petersburg National Battlefield, Visitor Contact Station, National Park Service, Petersburg, VA

Shenandoah National Historical Park, Byrd Visitor Center Renovations, National Park Service, Big Meadows, VA

Cumberland Island National Seashore, Plum Orchard Mansion Rehabilitation, National Park Service, Cumberland Island, GA

The Brandywine Conservancy, Brandywine River Museum, Chadds Ford, PA

Mark T. Cline

Project Manager

Education:
AS/1985/Wytheville Community College/ Civil Engineering Technology

Registration:
Erosion & Sediment Inspector Control Certification

ACI Concrete Field Testing Tech-Grade I

VDOT Soils and Aggregate Field Certification

VDOT Asphalt Field Certification

National Institute for Certification in Engineering Technologies (NICET) Underground Utilities Construction - Water / Sewer Lines II

Backflow Prevention Tester

Years of Experience:
With A&A since 1987

With other firms 3 years

Professional Memberships:
National Institute for Certification in Engineering Technologies

Virginia Cross Connection Control Association

Mr. Cline has a wide range of experience in inspection, surveying, and civil engineering technology. He has been involved in construction inspection and surveying since 1987, and in project design since 1990. His experience is highlighted below:

Job Specific Experience:

Crossroads Mall, Beckley, WV. Anderson & Associates, Inc. provided Pennsylvania Real Estate Investment Trust (PREIT) with an initial evaluation of a parcel for development suitability. Once it was determined that the site was developable, A&A provided surveying services related to boundary line adjustments, easements plats, boundary line vacations, and rights-of-way dedications. A&A prepared complete site plans for the realignment of a portion of the mall ring road to allow room for development of a gas station on the front outparcel. A&A also provided complete site plans for the construction of a new Petsmart store at the mall. Currently, A&A is preparing site plans for the addition of a Dick's Sporting Goods Store at the mall. Each of these site plan sets contained demolition plans, grading plans, erosion and sediment control plans, paving plans, storm drainage design, landscape design, and utility design & coordination. Project Manager.

Abandoned Elliston-Lafayette Elementary School, Montgomery County, VA. Conducted a Phase I ESA for Montgomery County of an abandoned 22,000 sq. ft. elementary school located in the Elliston-Lafayette Community in Montgomery County. The ESA was performed in accordance with ASTM E-1527-05. In addition, A&A provided a boundary and ALTA/ACSM survey of the property. A&A has also prepared demolition plans and assisted with bidding of the demolition project, which is anticipated to begin in June of 2012. The school occupies part of an 8-acre parcel which will be marketed for re-development after the facility is demolished. The original school was constructed in the early 1960's and additional space was added in the early 1970's. The facility has been abandoned since 2010, due to a new school being constructed in the area. For a time, Montgomery County Schools utilized the building for storage purposes. Project Manager.

Patrick County, VA, Public Schools: Anderson & Associates, Inc. provided civil design services for additions and renovations to seven Patrick County schools, including Blue Ridge, Meadows of Dan, Woolwine, and Stuart Elementary Schools, Patrick Springs Primary School, Hardin Reynolds Memorial School, and Patrick County High School. The building additions ranged from 8,500 SF to 30,000 SF. Site improvements designed included bus access drives and drop-off -areas, parking areas, and water and sewer utilities, as well as the associated grading, stormwater management, and erosion & sediment control.

Peters Hall Renovations, Radford University, Radford, VA. Anderson & Associates, Inc. provided services for the renovation of the existing Peters Hall building. Peters Hall, originally built in 1953 as the physical education facility, underwent major renovations and conversion of use from an athletic facility to office and classroom space. It now houses the College of Education and Human Development, the Teaching Resources Center, and the Department of Dance. A&A also designed a two-story building addition to Peters Hall. Civil design services by Anderson & Associates, Inc. included surveying and demolition, dimensioning, grading, erosion and sediment control, and storm sewer, sanitary sewer, and water design. Project Engineer.

C. Dean Upton, PE

Vice President of West Virginia Operations

Education:
BS/1973/Marshall University/Civil Engineering

Registration:
Professional Engineer/ WV/1978

Professional Engineer/ VA/1986

Years of Experience:
With A&A for 12 years

With *other firms:*
26 years

Professional Memberships:

National Society of Professional Engineers

West Virginia Society of Professional Engineers

Mr. Upton joined A&A as Vice President of West Virginia Operations. He is a lifelong resident of West Virginia, and has over 35 years of leadership and engineering experience. Mr. Upton received his B.S. in Civil Engineering from Marshall University, and has designed and managed a variety of projects including sanitary, mechanical, structural, site/civil, and environmental.

Mr. Upton's strength lies in his ability to understand and coordinate with local governments, private industry, and the public sector to provide creative engineering and planning solutions and local government assistance. He is adept at addressing client goals in an efficient and proactive manner, and has the expertise to manage projects from the development stages of conceptual planning through construction and initial operation of facilities. Mr. Upton has a diverse portfolio with experience in numerous areas of engineering.

Job Specific Experience:

Safe Routes to School, Mercer County Board of Education, WV. This project includes sidewalk improvements for both the Princeton Middle School and Bluewell Elementary School. Approximately 850 linear feet of sidewalk replacement will be designed for the Princeton Middle School. It will also include signage, crosswalks, and stenciling in accordance with the Safe Routes To School Program. The Bluewell Elementary Project will involve the design of approximately 400 linear feet of new sidewalk, crosswalks, and signage. Project Engineer.

Vermillion Street Sidewalk Project, Town of Athens, WV. This Transportation Enhancement Project involves replacement and upgrading portions of the Vermillion Street sidewalk that is heavily used by Concord University students. Construction is scheduled for the summer of 2012.

Marshall University, Weight Training Facility. Served as construction phase engineer for approximate $1.5 million dollar weight training facility for Marshall Football Program. Project included relocation of 24" and 36" sewer lines, site grading, parking area, and 11,000 square foot building with sprint track.

Commerce Park, Alleghany County Virginia. Mr. Upton served as Project Manager for the initial development of the 300+ acre Commerce Park in Low Moor, Virginia. Initial design services included lot layout, phase I roadway plans, water extensions including a 300,000 gallon storage tank, and wastewater extensions including a wastewater pumping station and force main to the existing Low Moor wastewater treatment plant.

Alleghany County, Virginia Selma/Low Moor Community Development Project. Prepared plans, specifications, and bidding documents for a comprehensive community improvements project; including wastewater, storm water, and residential improvements for low and moderate income residences.

Commerce Park, Franklin County Virginia. Mr. Upton served as Project Manager for the countywide site selection study for an industrial / commercial site for Franklin County. Following site selection, Mr. Upton also served as Project Manager for the Phase I development including preliminary lot layout, preliminary roadway design and rough site grading plans for development of initial commercial sites. A&A continues to work with the County as requested in marketing of sites to industrial prospects.

Richard Koger

Project Engineer

Education:
BS/2003/Bluefield State
Civil Engineering

Years of Experience:
With A&A since: 2004
With other firms: 4 Years

Mr. Koger has a broad range of experience in both the survey and engineering fields and is proficient at AutoCAD and site design. He has performed boundary and topographic surveys, as well as inspections for land development and construction projects. His experience is highlighted below:

Job Specific Experience:

Train Restoration & Museum Design, Town of Saltville, VA. Anderson & Associates, Inc. prepared the conceptual and final designs associated with the train restoration site in the Town of Saltville. The conceptual design and cost update were used when filing for additional funding from the Virginia Department of Transportation's TEA-21 funding program. The conceptual plan showed the proposed improvements which consisted of safety improvements to the site, a men and women's restroom, parking lot improvements, train detail improvements, water and wastewater extensions, and possibly improvements to the existing building for use as a museum. Project Engineer.

Downtown Revitalization, Town of Glade Spring, VA. Assisted with downtown improvements including sidewalk improvements, attractive street lighting, landscaped parking lots, handrailing and ADA compliance, stormwater management, and façade improvements. The improvements have made accessibility easier for shopkeepers as well as customers and delivery vehicles. Islands were added to the parking lots which eliminated traffic from crossing over the parking lots, keeping traffic on the main routes throughout downtown. In addition, stormwater lines were run under the parking lot allowing for drainage improvements to a nearby neighborhood. The project was funded by a Community Development Block Grant (CDBG) and administered by the Mount Rogers Planning District Commission. A&A assisted with the application for CDBG funding. Project Engineer.

Sidewalk Improvements, Town of Saltville, VA. Provided a preliminary engineering report (PER), surveying, and design for Phase 1 of this TEA funded sidewalk improvements project for the Town of Saltville. The Town was in need of improvements to existing sidewalks and the addition of new sidewalks to accommodate pedestrian flow throughout the downtown area. A&A's initial work on the PER involved the evaluation of the existing conditions within the project limits, recommendation of future improvements, recommendation of the method of construction and types of materials to meet VDOT and ADA guidelines, recommendation of phases for improvements with cost estimates, and identification of possible funding sources. Design included grading and alignments, location of roadway striping, drainage facilities as required, and water line relocation in accordance to VDOT specifications. Project Engineer.

Route 659 Landslide Project, Virginia Department of Mines, Minerals & Energy (DMME), Big Stone Gap, VA. Reclamation work associated with the stabilization of a dangerous slide affecting Route 659. The slide was determined to be caused by runoff from sealed mine portals in conjunction with large scale rain events. The recommended solution was to divert the runoff from the sealed portals via construction of storm water structures along with stabilization of the slope, to be accomplished by armoring the toe of the slope and the removal of saturated slide material. Project Engineer.

ARCHITECTS GWWO

Fredericksburg Area Museum & Cultural Center
Catherine W. Jones McKann Center
Fredericksburg, Virginia

In 2003, the Fredericksburg Area Museum & Cultural Center acquired one of Fredericksburg's oldest bank buildings and its adjacent annex. GWWO worked with the organization to create **adaptive reuse** plans for the complex, which addressed critical expansion needs and more than doubled the Museum's current size. The new Catherine W. Jones McKann Center opened in December 2008.

Originally constructed in 1927 and patterned after a Christopher Wren-designed structure in England, the baroque-style bank building had long been an architectural cornerstone in the heart of downtown Fredericksburg. This project restored the structure's exterior to its original grandeur, while realigning and reorganizing interior levels to house exhibit and education spaces around a central circulation core. The new complex includes:

- Temporary & permanent exhibits
- New children's Learning Center
- Museum shop
- Offices & administrative areas
- Storage & support facilities

Renovations within the historic bank expanded existing mezzanines to house exhibit spaces, while capitalizing on the high ceilings, arched windows and architectural details of the building. In addition, usable space was created in a previously underutilized attic. A new roof was also provided and new electrical, plumbing and HVAC systems were integrated within the existing historic fabric.

ARCHITECTS GWWO

David Wills House
Exterior Restoration & Interior Rehabilitation
Gettysburg, Pennsylvania

Constructed in 1816 and renovated in the late 1850's when it was purchased by local lawyer David Wills, the David Wills House provided lodgings to President Abraham Lincoln the night before he delivered the Gettysburg Address. In town to dedicate the National Cemetery that was conceived by David Wills to honor the fallen of the Battle of Gettysburg, President Lincoln completed his historic address in the now commemorated "Lincoln Bedroom."

The National Park Service recently worked in partnership with the Borough of Gettysburg to restore this important historic landmark to its Civil War state, and **incorporate the house as part of the town's experience**, and GWWO was the architect selected to work with the NPS to complete this **exterior restoration and interior rehabilitation** project. The project includes:

- Restoration of the Lincoln Bedroom
- Renovations to accommodate permanent and changing exhibitions, classroom/conference rooms, library, archives, retail facilities, offices and visitor services and support spaces
- Exterior façade restoration to its 1889 appearance, including coordination with the Pennsylvania State Historic Preservation Officer
- Structural stabilization & improvements
- Sensitive integration of new HVAC and fire protection systems into existing historic fabric
- ADA upgrades and design of a new elevator tower addition

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Harpers Ferry National Historical Park

McGraw Block Restoration
Harpers Ferry, West Virginia

"It was a pleasure to work with the GWWO architects ... GWWO demonstrated ***an excellent ability to tackle a difficult project*** *which now stands as the park's largest example of successful preservation."*

— Peter F. Dessauer, Park Architect, Harpers Ferry National Historical Park

- *1998 AIA Maryland Design Award*
- *1997 AIA Baltimore Design Award*

This extensive project in the historic industrial town of Harpers Ferry, WV involved **exterior and interior restorations** of six National Register buildings, ca. early to late 19th century, in the McGraw Block of the lower town. The buildings have been adaptively reused to house administrative offices and security headquarters for National Park Service personnel, exhibit spaces, and a dry goods store.

An initial conditions assessment determined that the buildings required significant structural and finish repairs as well as complete exterior restoration to trim, porches, roofs, windows, doors, stucco and masonry finishes. The program included the introduction of modern building services within the historic fabric including heating and ventilation, air conditioning, elevators, power, lighting, security systems, data link systems, communications systems, and complete ADA compliance.

The surrounding area of the park had to remain open and safe for public visitation. An interpretive element was integrated into the construction phase to describe the work and educate the public about the restoration process.

The restoration includes:

- Orientation services & Bookstore
- Interior & exterior interpretive exhibits
- Environmentally-sensitive site design and landscaping
- Multipurpose and presentation rooms
- Administrative offices

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Harpers Ferry National Historical Park

Train Station Exterior Restoration & Interior Rehabilitation
Harpers Ferry, West Virginia

*"My experiences with GWWO and the staff I have worked with ... **surpass any I have had with other consultants.** ... The creativity, professionalism and insight of the GWWO team was invaluable..."*

— Peter Dessauer, Park Architect, Harpers Ferry National Historical Park

GWWO recently worked with the National Park Service to complete the **exterior restoration and interior rehabilitation** of this historic train station. The facility, which opened in the spring of 2007, is shared by the National Park Service, the Town of Harpers Ferry and CSX.

Originally construction in 1894, the train station was moved during railroad improvements to its current location in 1931. The project included:

- Evaluation and documentation of the existing facility and completion of an Historic Structures Report
- Exterior restoration of the facility to its post-move 1931 appearance, including reconstruction of a second story tower that was removed after the move
- Interior rehabilitation for shared use, including visitor orientation and comfort facilities, exhibits and ticketing
- Sensitive integration of new/upgraded HVAC, fire protection and security systems into the historic fabric
- Removal of the structure from its current failing foundation and replacement on a new full perimeter concrete footing, as well as creation of a new partial basement to house the new mechanical systems
- Coordination with the West Virginia State Historic Preservation Officer and compliance with the Secretary of the Interior's Standards for the Rehabilitation of Historic Properties

ARCHITECTS G|W W|O

The Arts Centre
Restoration & Adaptive Reuse
Martinsburg, West Virginia

GWWO recently worked with the Boarman Arts Center, Inc. to design "The Arts Centre" in a **historic federal building** that was gifted to the organization. The four-story, 23,000-SF Romanesque Revival style building was originally constructed in 1895 as a US Post Office and last occupied by the Federal Aviation Administration. The building, which is listed in the National Register of Historic Places, will be completely renovated and adaptively reused to house the new Arts Centre. The historic character of the building will be preserved, with modern building systems integrated into historic fabric. The program includes:

- Galleries and exhibit spaces with movable walls to accommodate fluctuating needs
- Studios and classrooms for pottery, drawing & painting, wood turning and photography
- State of the art technological facility for digital art, film making, music production, web design, illustration, photo editing and mobile video conferencing.
- Soundproof music and ensemble practice and instructional rooms
- 100-person Performance & lecture space in the restored Federal Courtroom
- Artist in residence space
- Retail facilities which are expandable for holiday seasons
- Offices, administrative spaces and support facilities

In addition to the fully ADA compliant renovations, the project will also involve the design of an addition to house a new elevator.

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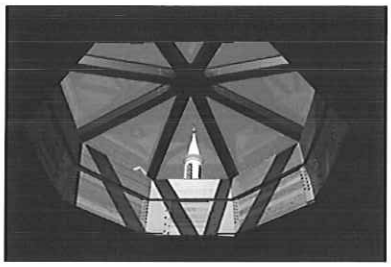

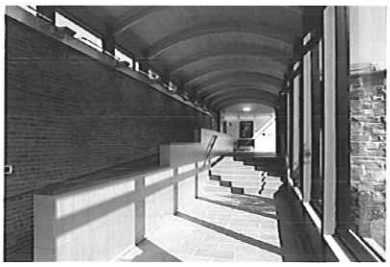

St. Mary's Spiritual Center Visitor Center
New Visitor Center
Baltimore, MD

GWWO recently completed a new **visitor center** at St. Mary's Spiritual Center to welcome visitors to St. Mary's Chapel and the Mother Seton House, each of which are National Historic Landmarks and important religious sites. The 3,200-SF one story building provides a reception area, lobbies, gift shop, multipurpose room seating up to 50, public restrooms, and a maintenance space for the entire complex. Views are provided to the Seton House, courtyard gardens, and historic Chapel.

The visitor center is organized along both sides of an existing brick garden wall which separates the Spiritual Center Garden and chapel grounds. An adjacent, non-contributing structure was demolished to improve the entry sequence and visitor circulation. Some walls of the building remain in the design of a small Seton House entry garden.

A four foot change in elevation between the parking area and the Chapel has caused inaccessibility throughout the complex for many years . The entry level of the new visitor center was designed at the parking level with an interior ramp and stair to bring the visitor to a lower lobby and garden level, providing direct access to the Chapel and Seton House.

The east side of the brick wall is new construction, simple but contemporary in design and incorporating existing stone seminary walls. An existing shed was widened to accommodate some of the new functions on the west side of the wall. The existing roof was replaced by a similar roof supported by the brick wall. Wood columns, beams, curved brackets and joists were salvaged and re-used in the new structure, rebuilding the existing arcade and restoring the backdrop for the Chapel.

Manassas National Battlefield Park
Henry, Thornberry & Stone Houses
Manassas, Virginia

There are only three structures surviving on the Manassas Battlefield from the Civil War Era. GWWO worked with the National Park Service to provide restoration, preservation, stabilization and renovation services for all three structures.

Thornberry House, built in the mid 1800's, was used as a shelter for wounded and dying Union soldiers during the Battle of First Manassas. As part of this project, the house was restored to its original appearance using matching historic siding and repairing windows, doors and wood shingle to match original split and riven shakes. All post 1935 finishes were removed from the interior and new sprinkler and ventilation systems were integrated into the historic fabric.

Stone House (pictured above) functioned as a field hospital during the first Battle of Manassas. A "whole house ventilation fan" was installed in the attic space, as well as a low-level heating system in the basement.

Henry House has the distinction of being the location where the only civilian, Mrs. Judith Henry, was killed during the Manassas battles. Although it was destroyed during that time, it was rebuilt less than 10 years later by Hugh Henry to commemorate those lost in the war. Henry House has been restored to its 1896 appearance and the first floor adaptively reused to serve as an education center. A new electrical and mechanical system with historically sympathetic lighting system was also installed.

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Brandywine River Museum

Renovations & Additions
Chadds Ford, Pennsylvania

"We have repeatedly chosen to work with GWWO because they are consummate professionals who keep our interests foremost. ***We trust them,*** *and it is clear that* ***they share our passion*** *for our programs and initiatives."*

— Jim Duff, Executive Director, Brandywine Conservancy & Museum

GWWO has enjoyed an on-going, more than thirty-five year relationship with the Brandywine River Museum & Conservancy, during which time we have provided **planning, programming, restoration, renovation, adaptive reuse and new construction services** for the museum and support facilities.

In the 1970's, GWWO first provided planning and design services for the restoration of a 25,800-SF 1864 grist mill in the Brandywine River Valley area of Pennsylvania to house the new Museum. The adaptive reuse and expansion of the mill provided a premier facility which immediately became the region's cultural center. In addition to housing a world-class collection of Andrew Wyeth's paintings, the museum drew artists to the area, who came to live, work and show their art.

This growth quickly promoted the museum to national stature, and within ten years, the expanded visitation and collections acquisition required additional space. Once again, GWWO was commissioned to plan, program and design an addition to the original museum, providing 25,336-SF of new gallery and support spaces that doubled the size of the existing museum.

Most recently, GWWO completed master planning and programming for the Museum. The firm met with the staff of twelve departments to examine current and future space needs. Combining this new information with more than thirty years of experience with the institution, GWWO created a new Program of Spaces for the institution to use in addressing its next fifteen years of growth and service.

continued on page 2...

Brandywine River Museum
Renovations & Additions
Chadds Ford, Pennsylvania

Based upon the master plan and program, plans for implementation were then developed, including renovations to portions of the existing 56,993-SF museum and a 14,140-SF addition, as well as a new 25,300-SF maintenance and art storage building, a new 6,600-SF administrative building and renovations to the Conservancy's Environmental Management Center.

Work on the museum included the expansion of the first, second and third floors. Sited at the east end of the Museum's existing entry courtyard, the addition disappears into the landscape, thus preserving views from the site's entry gate and respecting the environmentally sensitive setting. The result includes a screen of mirrored surfaces that reflect the sky and the surrounding trees and mask the entire addition. The shape of the structure curves away from view, so that the addition fades into its surroundings with no discernable edge. New and renovated facilities include:

- New art galleries and renovations to existing galleries
- Two new environmentally-controlled artwork vaults
- New curatorial and admin offices and conference and work rooms
- New library and archival storage space
- New bookstore office and expanded bookstore storage
- New distinct loading dock for art objects
- New catering kitchen, food preparation areas and related storage
- Renovated main lobby entry and new separate employee entry

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Fort McHenry Visitor Center

New Visitor & Education Center
Baltimore, MD

*This project was praised by Baltimore Sun architecture critic Ed Gunts in his article entitled "Another source of inspiration – New Fort McHenry visitor center is something to sing about." In a related blog he said "...**this is one addition to Baltimore's tourist line up that promises to be worth the wait.**"*

*"We are very, very lucky to work with [this] architectural firm ... This is an amazing thing for us. **They understand this place.**"*

— Gay Vietzke, Superintendent, Fort McHenry National Monument and Historic Shrine

GWWO provided planning and design services for a new 17,655-SF **visitor center** to accommodate increased visitation to the nearly 200-year-old star-shaped fort which provided the inspiration for Francis Scott Key's authorship of the "Star-Spangled Banner."

The new facility, which achieved **LEED Gold** Certification, provides a sustainable, functional, and accessible environment to orient visitors to the urban park and to introduce them to the resource and its story.

The primary inspiration for the design came from our nation's most significant symbol—the Star-Spangled Banner. The two curved walls of the building reflect the dynamic nature of the flag and all it represents. The juxtaposition of the two walls—clad in distinct materials—invokes the meanings behind the flag's stripes. Brick, strong and solid, expresses the hardiness and valor represented by the red stripes, while the thin and more delicate copper façade expresses the purity and innocence represented by the white. The curved walls also acknowledge the Fort and its flag, directing the visitor's eye toward the flag and creating a visual dialogue between the Fort and the visitor center.

Inside the building, a light-filled lobby with central information desk greets visitors and serves as the organizing element from which public spaces, including the immersive exhibit/theater space, multi-purpose room and gift shop, are accessed. The second level houses park offices and support spaces, including a break room with exterior terrace that offers picturesque views to the Fort.

ARCHITECTS G|W W|O

Everglades Visitor Center

Everglades National Park
Homestead, Florida

*"...we are proud of the restoration and reclamation of this nationally and internationally significant area. The efforts of the **design team could not have provided a more appropriate or fitting representation** for Everglades National Park."*

— Charles P. Clapper, Former Director of the National Park Service

- *1998 AIA Maryland Design Award*
- *1998 ASLA Maryland Design Award*

Following the destruction of the original Everglades Visitor Center by Hurricane Andrew, GWWO worked with the National Park Service to design a new **interpretive facility** that would more effectively integrate with and withstand its surrounding natural environment.

The new, 13,951-SF Visitor Center serves to orient visitors and educate them about the park environment, and includes orientation services, interior and exterior interpretive exhibits, multi-purpose room, theater, bookstore, offices, and support spaces. GWWO also designed a new entrance station for the park, as well as renovations to related administrative and maintenance facilities that had also sustained significant hurricane damage.

The new visitor center was designed as an integral part of the overall park visitation experience; it presents an overview that aids the visitor in his discovery of the greater park environment. As the site grows, the building is intended to be enveloped by the environment, merging with that which it interprets. Like the hurricane's path, a singular wall slashes through the center of the exhibit space and stands as a constant reminder of the divisive forces of nature. The wall emerges as the project's organizing element, separating light from dark.

Solar shading, natural ventilation and the use of woods and other materials made from recycled refuse unite to exemplify the client's mission and ideals. The incorporation of indigenous architectural forms and materials, which are inherently hurricane resistant, combined with additional safeguards such as sliding shutters, ensures rapid response and continual hurricane readiness.

ARCHITECTS G|W W|O

Robinson Nature Center

New Nature Center
Columbia, Maryland

*"We believe that the Robinson Nature Center will **quickly become a destination** for nature lovers up and down the East Coast."*

— Ken Ulman, County Executive, Howard County, Maryland

GWWO recently designed and built the first nature center facility in Howard County, Maryland. The main objective of the new **interpretive center** was to bring people together with nature, to learn, to experience nature and the environment around them, and to promote an ethic of stewardship of the land.

The new 24,492-SF facility includes reception, exhibits, classrooms, 150-seat auditorium, 33' diameter domed "Naturesphere" theater, gift shop, administrative offices and support spaces, storage and workrooms. In addition, the site includes ADA accessible trails, rough terrain walking trails, and demonstration gardens and landscaping.

The new building is designed to afford visitors a highly-immersive experience, both through its design and though integration with the exhibits within. The interpretation focuses on the surrounding forest ecosystem and on the habitats within. As visitors approach, they are at the level of the forest floor, literally walking on it. However, through the nestling of the building into site topography, as they enter the center and move towards the primary exhibit, they transition to the level of the tree canopy, both inside (into the top level of the exhibit that explores the forest ecosystem) and out (at the north end of the site where views are to the tree canopy). The transparent building enables visitors to see and feel this transition. They then circulate down through the primary exhibit, to the forest floor again, and continue to explore additional exhibits, including one on nocturnal habitats that takes them into an area appropriately positioned and darkened to reflect habitat conditions.

Green building technologies were heavily incorporated into the design, and achieved **LEED Platinum** certification.

ARCHITECTS G|W W|O

Hampton National Historic Site

Preservation & New Environmental Controls
Towson, Maryland

- *2008 Baltimore County Historical Trust Preservation Award*
- *2007 Preservation Maryland Stewardship Award*

Hampton Mansion is one of the largest, most ornate houses built in 18th century America. GWWO recently worked with the National Park Service to provide **historic preservation services**, new environmental controls and fire suppression systems for visitor facilities, museum storage areas, all exhibit spaces and period rooms, offices and the gift shop. By stabilizing temperature and humidity within the 28,000-SF Mansion, this project enables the continued preservation and protection of the park's primary cultural resource and its significant contents, while improving visitor conditions.

The project included:

- New HVAC and fire suppression systems, sensitively installed without impact to the existing historic fabric
- Installation of a geothermal deep well system to harvest site energy for heating and cooling
- Improvements to original windows and doors
- Preservation of interior plaster and decorative woodwork

The systems designed for this project took into account several critical concerns including the protection of the building, which is considered the Park's most significant artifact, as well as the impacts to the collections, and the need for visitor and staff comfort. **Careful coordination of all construction efforts** on this project between the contractor (Constellation Building Systems), the Park staff, the NPS project management team, and the design team resulted in a very successful project.

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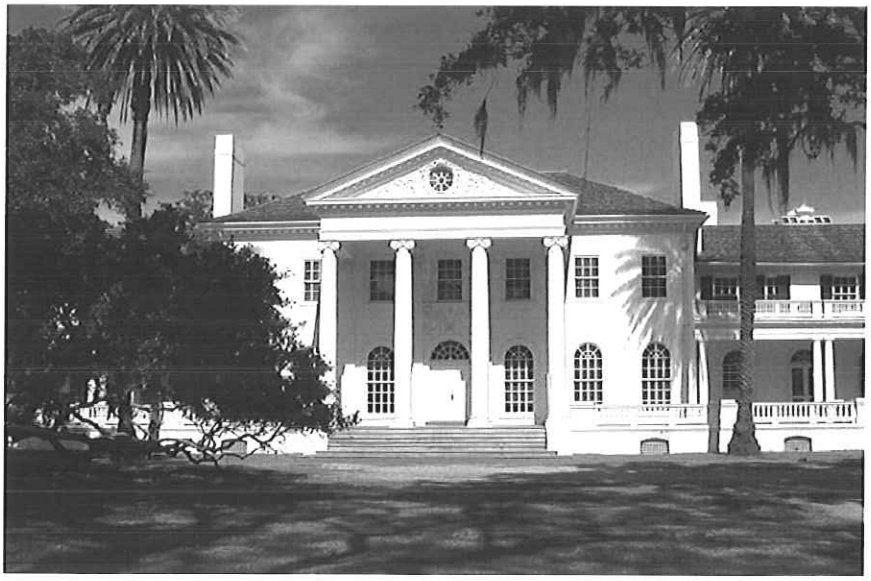

Plum Orchard Mansion
Cumberland Island National Seashore
Cumberland Island, Georgia

Plum Orchard Mansion was built by Thomas Carnegie, brother of famous steel magnate Andrew Carnegie, for his son, George, and his family. The early 20th century mansion is located on an isolated, coastal island with 67 rooms sprawling over 20,000-SF on two floors. The entire island, with restrictions, was conveyed to the National Park Service in the 1970s.

GWWO was retained by the National Park Service to update completely the Historic Structures Report as well as to provide **preservation and rehabilitation strategies and designs** for the historic mansion. Working within the historic fabric of the mansion and the natural landscape, the repairs included:

- Installation of fire detection and suppression system.
- Creation of new water source for fire suppression system.
- Enhancement of ventilation system to reduce humidity.
- Repair and restoration of all interior finishes, including plaster, wallpaper, woodwork, paint, flooring, etc.
- ADA upgrades to provide access to the first floor and basement.

Because the island is only accessible by ferry, the $2.9M renovation presented a unique challenge. GWWO worked with the NPS to carefully coordinate and stage work to ensure maximum efficiency during the construction process. Plum Orchard now serves as an Interpretive Mansion and stands as an excellent example of restored Georgian architecture. The Mansion is now experienced in its early 20th century state, with the original finishes restored.

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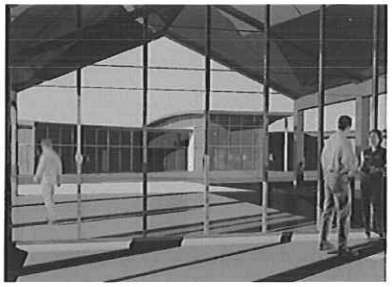
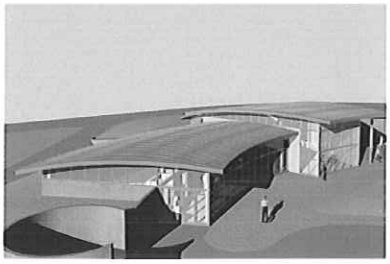




Cape Henlopen Visitor Center
Cape Henlopen State Park
Lewes, Delaware

GWWO provided planning and conceptual design services for a new Cape Henlopen State Park **visitor center**. The new facility will focus on the interpretation of local historical maritime architecture, including the Cape Henlopen Lighthouse. Program elements include exhibits, visitor information services, multi-purpose room, gift shop and support spaces.

The new center will also accommodate facilities for the issuing and monitoring of fishing licenses and other recreational permits. Furthermore, the new structure will connect to an existing Vehicle Maintenance Building (circa WWII) that will be converted to house Art Gallery spaces for local and visiting artists to display their work.

Through the layering of recreational usage, natural environment, and historical context, a rich palette of visual themes exists within the park, including sweeping roof forms emerging from a sea of grass; the rhythmic structure of open air pavilions; rolling dunes & shifting sands; circular forms & panoramic views; and bermed earth & semi-buried buildings. These visual themes, together with the forms and programmatic relationships, informed the design.

Upon approaching the site, the roof forms of the visitor center and art gallery appear slightly above the landscape, giving clues to the upcoming experience. After parking, the visitor encounters and filters through a "fore-dune," which creates a threshold between the ever changing environment outside, and the stabilized and protected environment inside the visitor center complex. The curved forms of the visitor center help define the different program pieces contained within, as well as recall the shifting sands of the coastal location. Materials for the visitor center complex respond to the indigenous architecture, landscape, sand dunes, and historical remains found in the park.

ARCHITECTS G|W W|O

Great Falls Tavern
C & O Canal National Historical Park
Potomac, MD

GWWO recently worked with the National Park Service to provide services for the rehabilitation of the historic Great Falls Tavern at C&O Canal National Historical Park. Work on the existing **visitor center** included:

- Rehabilitation to ensure exhibit spaces meet ADA requirements
- HVAC upgrades to address severe moisture problems
- Electrical upgrades to eliminate identified hazards and code violations
- Complete essential preservation maintenance on the structure to correct damage caused by excessive moisture problems

All work was completed with extreme sensitivity to the building's historic fabric.

In addition to work on the visitor center, GWWO also provided designs for a new visitor services building, including changing rooms and comfort facilities.

Additional Interpretive Center Projects

✶ Denotes historic building(s)

Abraham Lincoln Birthplace National Historic Site Tavern, Hodgenville, KY. Exterior restoration and interior rehabilitation to convert an historic 1932 log tavern to a visitor contact station with administrative offices for the park, including structural repairs and new building systems. Site work also includes upgrades to the parking area and existing utilities. ✶

Calvert Marine Museum, Solomons Island, MD. Program verification and subsequent design for renovations to improve the Museum's entry sequence, expand a mezzanine level for additional educational space, and convert an existing sloped-floor auditorium space to flat-floor multi-use educational and event space.

Canaveral Cove Welcome Center, Port Canaveral, FL. Master planning and new 22,500-SF welcome center for the Canaveral Cove area redevelopment adjacent to the Port. A gateway landmark for visitor orientation and regional education, the new facility will include visitor orientation and exhibits, museum, theater, gift shop, café, multipurpose room, comfort facilities and offices.

Chalmette Battlefield Visitor Center, New Orleans, LA. Design of a new 3,500-SF facility to replace the previous visitor center within Jean Lafitte National Historic Park & Preserve that was destroyed as a result of Hurricane Katrina floodwaters, including interpretive exhibits, education areas, offices, support spaces, collections storage, retail space, and a multipurpose room.

Charlotte Hall Visitor Center, Charlotte Hall, MD. Planning and design for the adaptive reuse of an existing residential structure to house a visitor center for St. Mary's County, including lobby/reception area, exhibits, retail space and related administrative support spaces, as well as site improvements to improve visitor orientation and access and planning for a future addition. GWWO served as the architectural design consultant to Mahan Rykiel Landscape Architects for this project. ✶

Children's Museum & Theatre of Maine, Portland, ME. Planning and design for renovations to the institution's existing historic building, including improvements to exhibits, lobby and store entry, classroom space, shop space, and visitor comfort facilities, as well as an approximate 9,000-SF addition to house a new black box theater, water and aquarium exhibits, and greenhouse. ✶

Cylburn Arboretum Vollmer Center, Baltimore, MD. New 10,000-SF orientation and education center, including information station, gift shop, 250-seat auditorium, offices and an outdoor amphitheater. Designed to sit quietly within the landscape surrounding the historic Cylburn Mansion, the new building incorporates sustainable elements such as a green roof, composting toilets and geothermal heating & cooling.

DuPont Environmental Education Center, Wilmington, DE. New 13,000-SF Education Center, including indoor and outdoor exhibits, ecology and computer lab, multi-purpose room, resource center, offices and support spaces. Site improvements also include a new pedestrian bridge, boat/canoe storage building and dock.

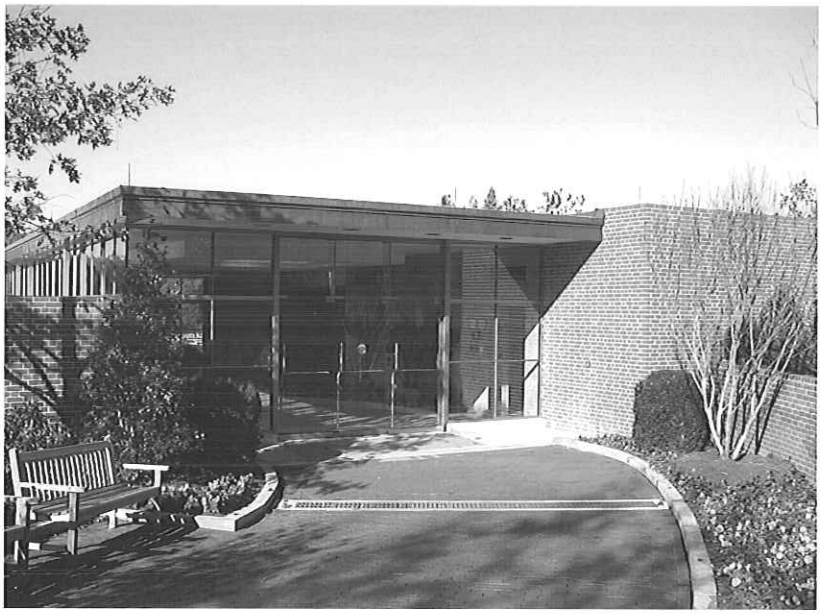
George Washington's Mount Vernon Master Planning, Mount Vernon, VA. Site and building master planning for George Washington's historic estate, including evaluation of visitor services needs, site circulation and visitor flow, and planning for three new facilities within the sensitive site.

George Washington's Mount Vernon Mount Vernon Inn, Mount Vernon, VA. Additions and renovations to the existing National Register listed Mount Vernon Inn to expand food services and retail operations. The new 55,000-SF complex features a 200-seat lecture hall, a large gift shop including specialty holiday shop component, four formal dining rooms, a new 125-seat indoor dining pavilion, outdoor dining areas and a new food court offering a variety of "fast food" options. ☐

George Washington's Mount Vernon Orientation, Museum & Education Complex, Mount Vernon, VA. New 41,000-SF Donald W. Reynolds Museum and Education Center, including state-of-the art interactive exhibits and learning facilities, as well as the new 30,200-SF Ford Orientation Center featuring two theatres with total seating for 450, ticketing, information services, a small retail operation and visitor comfort facilities.

Harriet Tubman Underground Railroad Visitor Center, Hurlock, MD. New park that will serve as the principal point of welcome and orientation within a national heritage corridor that incorporates many sites associated with Tubman's life and accomplishments. The project includes a 15,000-SF Visitor Interpretive Center, Memorial Garden, walking paths/trails, picnic area, and associated site improvements.

Homestead Heritage Center, Beatrice, NE. New 10,600-SF facility at the Homestead National Monument of America which houses a museum that tells the Homesteading story, serves as a repository for the Homestead records and preserves agricultural equipment of the Homestead era, including interpretive exhibits, curator facilities, collections storage, retail facilities, administrative areas and visitor support facilities.



Kellogg & Battle Creek Heritage Centers, Battle Creek, MI. Site analysis, recommendations and selection, as well as preliminary designs for a joint Kellogg Center and Battle Creek Historical Center. Plans called for the renovation of an abandoned masonry factory building and a sleek modern addition to house the Kellogg Center to offer visitors an interactive exhibit experience, as well as a café and gift shop to link it to the Battle Creek Historical Center, which was planned to house exhibits and artifacts. ✶

Lacrosse Hall of Fame, Baltimore, MD. Design of the new Hall of Fame, including exhibits, administrative facilities, a gift shop and an auditorium, and later renovation of these facilities and design of an addition to house expanded administrative offices and conference rooms.

Maryland Historical Society Master Planning, Baltimore, MD. Developed long range plans for growth and improvement for their 6-building complex. Master planning guidelines called for upgraded galleries through consolidation, new construction and department relocations; increased storage, shelf and vault space; improved mechanical, electrical and lighting throughout; improved receiving, art movement and security; and clearer presentation to the public of the multi-level layout. ✶

Maryland Historical Society Gateway Gallery Building, Baltimore, MD. Renovation and adaptive reuse of Baltimore's 1940s deco-style Greyhound Bus Terminal, a state landmark, to museum space to house exhibits, workrooms, offices, artifact storage, security offices and receiving areas, including interior and exterior restoration, the introduction of museum-quality exhibit space and new HVAC and security systems. ✶

Monocacy National Battlefield Visitor Center, Frederick, MD. Planning and design for new 7,500-SF visitor center within the agricultural character of the historic battlefield viewshed, including exhibits, orientation services, bookstore and offices, as well as museum collection storage spaces, a new parking lot and extensive site work and utility upgrades.

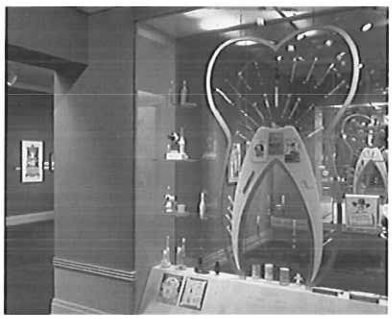
Morven Museum & Garden, Princeton, NJ. Analysis and redesign of site visitor flow and subsequent design of new interpretive center to include ticketing/orientation space, large multi-purpose event space, gift shop, and related support spaces. Renovations to an existing historic wash house will also accommodate new classroom space. ✶

Mount Vernon Museum of Incandescent Lighting, Baltimore, MD. Master planning study and preliminary designs for the rehabilitation and expansion of the Museum's existing facilities, including conditions assessments, recommendations for upgrades to meet modern code and regulatory requirements as well as historic standards, cost estimates for two renovation alternatives and programming for the inclusion of all program elements: galleries/exhibits, retail facilities, a café, archival and workroom facilities, offices and related support spaces. ✶

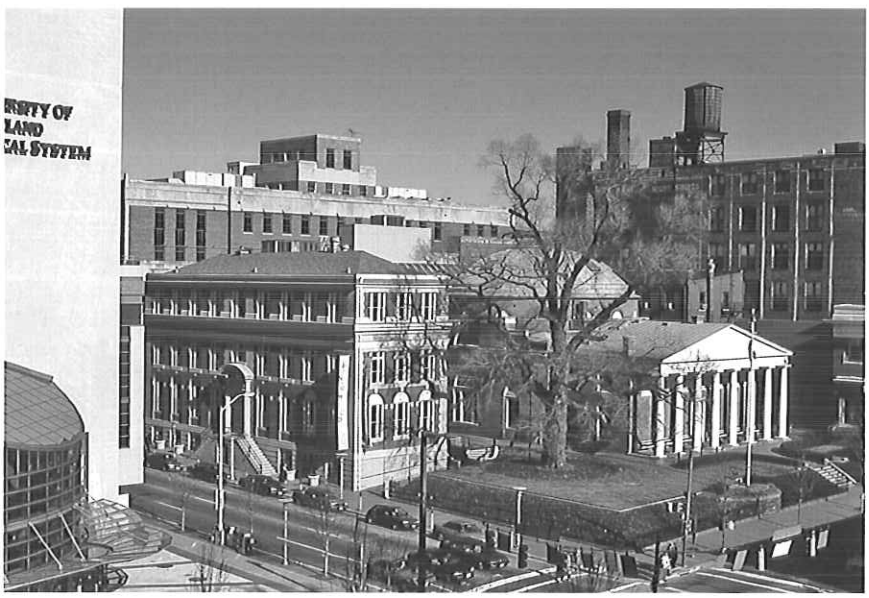
Museum of the Rockies, Bozeman, MT. Programming and conceptual design for renovation of the existing 95,000-SF museum and a 39,000-SF addition to house the museum's extensive collection of art and artifacts, including new galleries, new entry and new event space, as well as reorganization of existing spaces to improve visitor flow and efficiency.

National Aquarium in Baltimore Marine Mammal Pavilion, Baltimore, MD. Addition to the National Aquarium containing a 1,300-seat amphitheater with views of the harbor, a 1.5 million gallon tank, exhibition spaces, classrooms and a resource center, a gift shop, dining facilities, ticketing and gathering areas, orientation facilities, research laboratories and treatment rooms with life support facilities for the marine mammals.

National Museum of Civil War Medicine, Frederick, MD. Planning and preliminary design for the renovation and adaptive reuse of an historic urban commercial complex to a museum to house a collection of civil war artifacts and interpret medical advancements during the Civil War. Involved all stages of planning from the initial selection of the 19th century site, including existing conditions assessments, historical structure analysis and measured drawings, to the development of an overall spatial program and preliminary layout for fund raising purposes. ✶



National Museum of Dentistry, Baltimore, MD. Historic and structural research and restoration/rehabilitation planning & design, including historic structure evaluations, coordination of archeological needs, recommendations for stabilization, artifact/object conservation, conservation of historic landscape, and the introduction of a museum-quality environment, including an atrium addition and exhibition planning. The resultant museum was designed to full museum requirements, including 2 levels of gallery space within an existing historic building. ✶



Petersburg National Battlefield Five Forks Visitor Center, Petersburg, VA. New multi-use visitor facility for Petersburg National Battlefield to provide orientation to visitors to the site of the battle of Five Forks, including exhibits, interpretive opportunities and maintenance facilities for the NPS.

Piney Point Lighthouse Museum, Piney Point, MD. Site master plan for incorporation of newly purchased site adjacent to museum land and development of conceptual plans for the renovation of an existing office building to house museum exhibition and support facilities.

Selma to Montgomery National Historic Trail, Selma and Montgomery, AL. Pre-design for the adaptive reuse of several historic buildings to house the new Selma Interpretive Center, and site selection and conceptual study for the new Montgomery Interpretive Center. ✶

Smithsonian Institution Contee Farm, Edgewater, MD. Investigation and documentation of an historic ruin on the site of the Smithsonian Environmental Research Center (SERC), followed by careful stabilization so that no more masonry fabric will be lost from what remains standing. ✶

Smithsonian Institution Renwick Gallery, Washington DC. Design Development for the exterior renovation of the mid-19th century National Historic Landmark, which houses American crafts from the nineteenth to twenty-first centuries and is located across the street from the White House. ✶

Smithsonian Institution Arthur M. Sackler Gallery, Washington, DC. Interior modifications to one of the Smithsonian's Asian art galleries including investigation and modifications to the library, redesign of the reception area for the administrative offices, design of a new stair and associated reconfiguration of exhibit spaces, and the redesign of the archives. ✶

Walters Art Museum Master Planning, Baltimore, MD. Comprehensive facility planning study that analyzed all existing spaces, environmental systems, code compliance and security provisions. Recommendations were made to change or expand the facilities based upon the projected program and anticipated future needs. ✶

Walters Art Museum 1904 Building, Baltimore, MD. Five-year effort to completely upgrade public galleries, storage areas, workshops and maintenance aspects of the "behind-the-scenes" activity, including integration of new environmental, fire protection and security systems within the historic fabric, asbestos removal or encapsulation, and phasing of work over four years to maintain programming and visitation. ✶

Walters Art Museum Hackerman Mansion, Baltimore, MD. Adaptive reuse of the 1851 Thomas Jenks Gladding Mansion, a National Register property in Baltimore's Mt. Vernon Square, into museum exhibition space for the Walter's Asian art collection, including galleries, café, kitchen, and a new link to the 1904 building. ✶

Walters Art Museum 1974 Building, Baltimore, MD. Assessment of existing conditions, including historic fabric analysis and evaluation of building systems, and recommendations for upgrade and improvement.

Washington County Museum of Fine Arts, Hagerstown, MD. Long-range planning for growth and improvement, including the evaluation of existing historic facility and a design proposal for expansion. The final master plan called for expansion of the gallery space by almost 50%, relocation and improvement of art and activity rooms and improvements to the gift shop, restrooms and vault storage areas and provided alternatives to long-term growth. The institution was also given assistance in preparing its proposal to obtain State Funding, as well as assistance with private fund-raising efforts. ✶

Additional Historic Projects

Abraham Lincoln Birthplace National Historic Site Memorial Building, Hodgenville, KY. Repair and rehabilitation to the historic Memorial Building, including rehabilitation of interior finishes, door system replacement, lighting restoration, window repairs, and installation of a new granite access ramp.

Antietam National Battlefield DR Miller Farmstead, Sharpsburg, MD. Exterior restoration and interior renovation to this early 1800s building, located on the site of the bloodiest battle of the Civil War, to provide exhibit and administrative spaces for battlefield visitors and National Park Service employees.

Antietam National Battlefield Newcomer Barn, Sharpsburg, MD. Historic Structures Report for a mid-nineteenth century barn that reportedly served as a battlefield hospital during a critical battle of the Civil War.

Antietam National Battlefield Roulette House, Sharpsburg, MD. Historic Structure Report, including research and documentation of the house's history, development, and context, analysis of existing conditions, identification of character-defining features, recommendations for treatment and use, and cost estimates for recommended improvements.

Baltimore Zoo Mansion House, Baltimore, MD. Complete exterior repair and restoration of this 1808 building, including full masonry, wood and stucco repair and restoration, replacement handrails, lighting and hardware and full lead paint abatement.

Boulevard Theater, Salisbury, MD. Planning, programming and conceptual design for redevelopment of an historic Art Deco theater to create a Community Arts Center including evaluation of existing conditions, development of a final building program with estimates of probable construction costs, exploration of multiple conceptual design alternatives, development of the selected alternative through full schematic design, and the creation of renderings for use in fundraising efforts.

Bowdoin College Memorial Hall, Brunswick, ME. Renovations to historic Memorial Hall, including the 600-seat Pickard Theatre, new dance studios, rehearsal spaces, dressing rooms, a scene shop and back scenes support facilities, as well as design of a new 200-seat laboratory theatre addition that is linked to the existing building by a new lobby.

Center Stage Theatre, Baltimore, MD. Adaptive reuse of an old school building to accommodate a new 500-seat theatre after the original was destroyed by fire. The new theatre included upper and lower lobbies, a café, rehearsal spaces and shops for scenery and costumes. The re-design made use of found spaces and found materials. Planning for a second, outdoor courtyard theatre, with apartments for visiting actors, was also completed.

C&O Canal National Historical Park Ferry Hill Plantation House, Sharpsburg, MD. Historic Structures Report (HSR) for this early 19th century rural federal-style mansion which overlooks the Potomac River, including recommendations for preservation and reuse.

College of William & Mary Brafferton, Williamsburg, VA. Feasibility study and subsequent design for renovations and the integration of new building systems into the Brafferton, which was constructed in 1723 and is one of the oldest collegiate structures in the country.

Fort McHenry National Monument & Historic Shrine, Baltimore, MD. Complete analysis of all historic fabric, including 200,000-SF of masonry surfaces. Involved archival photographic documentation of all exterior fort surfaces, interior documentation of underground magazines/ bombproofs (including HABS drawings), coordination with archaeological needs and preliminary plans and programming for the incorporation of interpretive exhibits.

Glen Echo Park, Glen Echo, MD. Surveys, site analysis, development of preservation guidelines and HVAC evaluation for various buildings throughout this historic amusement park. Involved hazardous waste identification, historic building and cultural landscape assessment and the development of a new cultural landscaping plan.

Grand Opera House, Wilmington, DE. Complete interior and exterior restoration of this 1871 National Register building to house the Delaware Center for the Performing Arts. The project included exterior cast-iron renovation with reuse of original cast-iron pieces where possible; new orchestra and balcony floors; a new ceiling mural based on original design description; new seating with reused cast iron ends and marker plates; concessions, lobby, box office and green room spaces; and new utility systems designed to acoustical and theatrical requirements.

Hamilton Grange National Memorial, New York, NY. Study and cost estimate for the restoration and historic reorientation of this former residence of Alexander Hamilton. The services provided include: historic structural assessment and recommendations for temporary shoring as required for stabilization, development of options for further restoration and cost estimates for each option. Options included re-establishing the historical entry and stair, lowering the sub-basement floor, re-orienting the main entrance to the east side, landscaping behind the house, or finally, relocating the Grange to a new site at Hamilton Terrace.

Hampton National Historic Site, Towson, MD. Extensive upgrades to protect the Park's primary cultural resource and improve visitor conditions, including preservation of interior plaster and decorative woodwork, improvements to original windows and doors, installation of new environmental controls without impact on the historic fabric and design of a new central plant adjacent to the historic mansion.

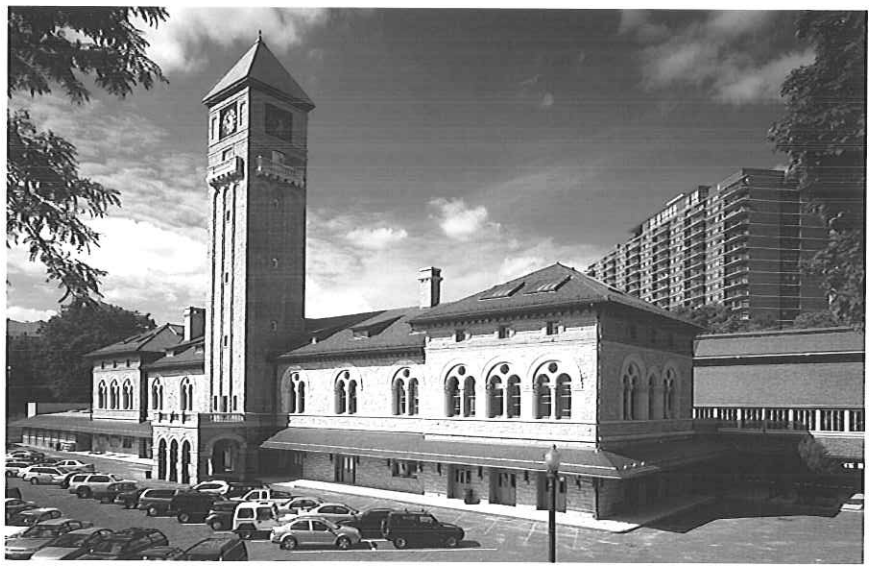
Harpers Ferry National Historical Park Coons & Wilson Buildings, Harpers Ferry, WV. Stabilization and preservation of two historic buildings in Lower Town to update visitor comfort facilities and a bookstore, including repair and replacement of historic stucco, roof replacement and a full mechanical upgrade.

Harpers Ferry National Historical Park Lockwood House, Harpers Ferry, WV. Historic Structures Report, Cultural Landscape Report and Schematic Design for the rehabilitation of this c. 1850s structure and its associated historic landscape, including new exhibits and interpretive spaces, new exterior wayside exhibits, upgraded building systems and site utilities, and improvements to increase public accessibility.

Magruder House, Bethesda, MD. Rigorous exterior restoration and preservation of this 18th century residential property for use as a branch banking facility, including new utility systems, assessment and documentation of the building's historic structure and paint colors, salvage and repair of interior and exterior detailing, partial rebuilding of the brick walls, preservation of interior window detailing and the reworking of the kitchen porch to provide handicapped access.

Maryland Institute College of Art 1905 Building, Baltimore, MD. Renovations, expansion and additions to this 1905 building, including new telecommunications, mechanical, electrical and fire control systems; the addition of mezzanines in double-height spaces to increase existing square footage by 40%; and new computer laboratories, classrooms, studios and administrative spaces. Historic spaces were preserved and ancillary spaces adaptively reused. The users maintained occupancy throughout all phases of construction.

Maryland Institute College of Art Mount Royal Station, Baltimore, MD. Phased renovations to this 50,000-SF 1896 National Register building to house new classrooms, studios and support spaces for the Institute's fiber and general sculptural studies programs, including reconfiguration of interior space to increase efficiency, preservation of interior finishes, exterior repairs and cleaning, integration of new HVAC and technology systems into the historic fabric and coordination to facilitate the use of historic tax credits.



Mount Vernon Inn, Mount Vernon, VA. Additions and renovations to the existing National Register listed Mount Vernon Inn to expand food services and retail operations. The new 55,000-SF complex features a 200-seat lecture hall, a large gift shop including specialty holiday shop component, four formal dining rooms, a new 125-seat indoor dining pavilion, outdoor dining areas and a new food court offering a variety of "fast food" options.

Princeton University Alexander Hall, Princeton, NJ. Restoration and adaptive reuse of the university's original commencement space within a National Register quality building to accommodate musical productions and serve as a lecture hall. Utility systems and service infrastructures were updated and classroom, office and other support spaces were re-programmed.

Princeton University McCarter Theatre, Princeton, NJ. Complete restoration, technical upgrade and acoustical improvement of existing 1,086-seat theatre, including a new ceiling, side balconies, widened orchestra-seat spacing and new HVAC systems. An underground addition with workrooms, meeting rooms, classrooms and support spaces was also constructed.

Smithsonian Institution Contee Farm, Edgewater, MD. Investigation and documentation of an historic ruin on the site of the Smithsonian Environmental Research Center (SERC), followed by careful stabilization so that no more masonry fabric will be lost from what remains standing.

Stieff Silver Building, Baltimore, MD. Adaptive reuse of two buildings, constructed in 1928 and the 1970s, to house new office space. For the 1928 building, GWWO provided shell renovations, including new utility systems and the addition of mezzanines in double-height spaces. The 1970's building, which was used for storage and is currently windowless, was provided with new windows, balconies to overlook surrounding wooded areas, new utility systems and related renovations.

HENRY ADAMS LLC

MEP Engineering

Firm Profile

History and Size of Firm

HENRY ADAMS, LLC is a small business consulting firm, providing mechanical, electrical and plumbing engineering services to private and public clients. Founded in 1898, the firm is comprised of 30 technical and support personnel, many of whom are registered professional engineers. Based in the Baltimore area, we serve clients in the educational, medical and government sectors. In addition, we are actively designing a diverse portfolio of projects including historic renovations, offices, laboratories, hospital additions, higher education facilities, K-12 systemic renovations, and utility plants. At HENRY ADAMS we strive to serve our clients with the attention and professionalism they deserve.

Areas of Expertise

- Heating, Ventilation and Air Conditioning
- Power Generation & Site Distribution
- Building Electrical and Emergency Systems
- Interior / Exterior Lighting
- Voice / Data / Audio / Video Communications
- Security Detection, Alarm and CCTV Systems
- Energy Analysis and Conservation
- Sprinkler Fire Protection and Fire Alarm
- Plumbing and Piping
- Facility Conditions Surveys and Assessments
- LEED and Sustainable Design
- Master Planning
- Construction Administration and Commissioning

best of the BEST 2008

Awards

HENRY ADAMS has been nationally recognized for its work on the Morgan State University Library and Media Center. The project won McGraw-Hill/ENR's 2008 Best of the Best award in the institutional/higher education category. HENRY ADAMS provided the mechanical, electrical, plumbing and lighting design for the 200,000 SF, four-story building, which includes stack space, atrium, government documents center, offices, break rooms, information technology (IT) classrooms, and conference rooms.

Contact Information

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Historic Experience

Mexican Cultural Institute

Preserving irreplaceable items starts with a controlled environment and a sensitive approach to respecting building finishes. HENRY ADAMS, LLC provides mechanical and electrical engineering design and special services for the renovation and restoration of exhibition and historic facilities. Project experience includes planning and design for historic office buildings, theaters, museums, educational and institutional facilities in the Mid-Atlantic region.

The firm and key personnel understand special design considerations involved in such projects, including:

- Sensitivity to the interdisciplinary nature of historic renovation and restoration
- Integration of mechanical/electrical equipment and systems into the existing architectural features of the structure to limit visual intrusion
- HVAC and environmental controls to meet required temperature and relative humidity levels
- M/E systems design with sensitivity to special acoustic needs, such as vibration isolation, special equipment selection, and attenuators on fans
- Fire protection systems for historic structures
- Critical construction phasing and scheduling
- Analysis of design alternatives for energy and economic efficiencies
- Handicap accessibility and M/E system design for public areas and restrooms
- Experience and knowledge of government review/historic structures review agencies such as the State Historic Preservation Offices, National Capital Planning Commission, and Commission of Fine Arts.

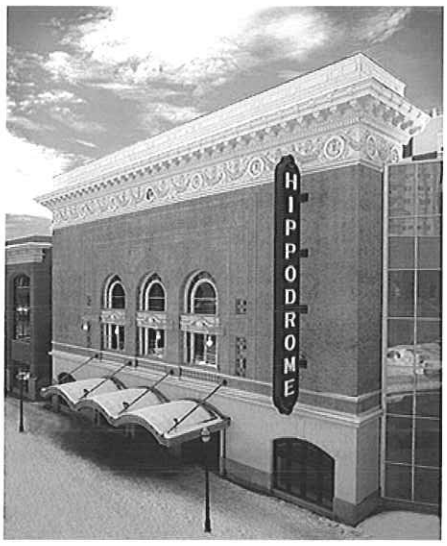
Mexican Cultural Institute

Washington, DC

The home of the Mexican Cultural Institute is situated on the 2900 block of 16th Street. The Institute is the former residence and consulate building of the Mexican Ambassador. Constructed at the turn of the century, elaborate music halls, grand parlors, and entertainment rooms occupy the majority of the structure. Recent renovations include the installation of exhibit space and an auditorium into the existing structure. Among the renovations were modifications to accommodate exhibit space and an auditorium.

HENRY ADAMS, LLC performed the initial field investigation, and recommendations, including a cost estimate. Henry Adams, LLC was approved to design the replacement and modernization of the HVAC and electrical system. The design work included a new air conditioning system, temperature and humidity control, new electrical service and a new addressable fire alarm system. The electrical distribution system was completely replaced. Careful attention to preservation of the many unique architectural features was paramount in this renovation including concealing cabling within the plaster walls and discretely locating new air conditioning diffusers. HENRY ADAMS provided construction administration services during the construction phase.

Historic Renovation Experience

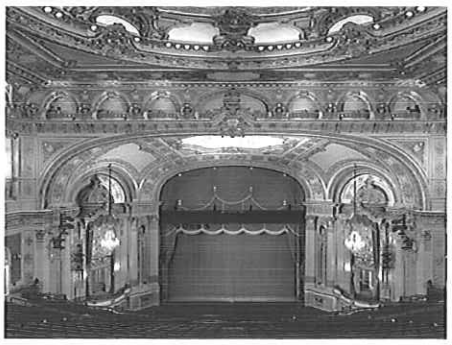


Hippodrome Theatre Complex

Hippodrome Theatre Complex
Baltimore, Maryland

The legendary Hippodrome Theatre designed by noted theatre architect Thomas Lamb opened November 23, 1914 showcasing vaudeville acts and live performances. February 2004 marked its resurrection as the France-Merrick Performing Arts Center, the new 2,200-seat home of Broadway shows and world-class performing arts in Baltimore. The $50 million 169,000SF renovation transforms three significant historic landmarks including the Hippodrome Theater, Western National Bank built in 1887, the Eutaw Savings Bank built in 1888, and a newly constructed addition into the state-of-the-art showcase. It also forms an integral part of Baltimore's west-side redevelopment. The project is a collaborative effort of the Hippodrome Foundation, Maryland Stadium Authority and Clear Channel Entertainment.

HENRY ADAMS designed the mechanical, electrical, and plumbing systems for the complete project. The design was implemented through coordination with multiple specialty consultants including historic, theatrical, rigging, code, food service, acoustical, and lighting specialists. Significant spaces include the renovated multiple level House, a new stage house and fly gallery, two three level lobbies, dressing rooms, a full commercial kitchen, and banquet facilities. A significant effort for success of the project involved HENRY ADAMS profiling the building's energy use and evaluating separate heating and cooling proposals from chilled water, steam, and electric utility companies. This allowed the project to select the most economical life cycle solution available without committing dedicated maintenance personnel and reducing operating costs. The project received the Maryland ACEC 2005 Engineering Excellence Competition Grand Award.



Boston Opera House

Boston Opera House Renovations
Boston, Massachusetts

The National Trust for Historic Preservation listed it as one of the "11 Most Endangered Historic Places." HENRY ADAMS worked with Martinez & Johnson Architecture on the Opera House renovation for ClearChannel Entertainment. The complex houses a 2,600-seat theater with a stage and audience chamber, balcony, a multi-story lobby, grand foyer, ticket office, dressing/wardrobe rooms, staff lockers, and office space. The design presented multiple unique challenges. Initially, HENRY ADAMS developed the early conceptual M/E/P plans working as part of two different teams. The mechanical design was approached from a design/build standpoint with a mechanical contractor as part of the team. The electrical design was approached in the classical design/bid/build standpoint working with theater and lighting consultants.

Historic Renovation Experience

Harpers Ferry

Great Falls Tavern

Hampton Mansion

Plum Orchard Mansion

National Park Service, Historic Facilities, Indefinite Delivery Contract

Henry Adams is providing mechanical, electrical, fire protection and telecommunications services for major National Park Service facilities throughout the U.S. Many of the projects involve historic renovation and adaptive reuse of buildings that require sophisticated mechanical and electrical systems to provide modern amenities to historic buildings. The scope of services includes field investigation, energy/economic analysis, development of alternative design concepts and cost estimates, construction phasing, design and construction observation. Provided design for air-conditioning systems, fire protection, humidity control, plumbing increased insulation, upgrades to electrical support systems and lighting. Projects also required design of security, telecommunications, and audiovisual systems. Tasks under this IDC include:

Great Falls Tavern, Visitors Center, Potomac, Maryland: Surveyed and documented existing conditions of the buildings and site. Designed the renovation of the visitors' center located in historic tavern, and provided the design of a new comfort station. The visitors' center includes exhibits, reception areas, library and staff offices. Provided design for upgrades to the HVAC system with new air handling units, low pressure ductwork and diffusers, a new hot water boiler and fuel oil tank, and a new air cooled chiller. Electrical upgrades include branch circuits for air handling units, new feeder for comfort station, life safety lighting, facade lighting for the main entrance and new distribution panel in the nearby pump house. A new fire protection system was engineered. The new comfort station is located near the visitors' center and includes family restrooms.

Hampton Mansion National Historic Site, Baltimore, Maryland: Survey of ornate, historic, 18th Century mansion which included the visitor facilities, museum storage areas, exhibit spaces, period rooms, offices and gift shop. Fire protection system with air sampling smoke detection and a new HVAC system with precise temperature and humidity control were designed to protect the structure as well as the valuable museum contents.

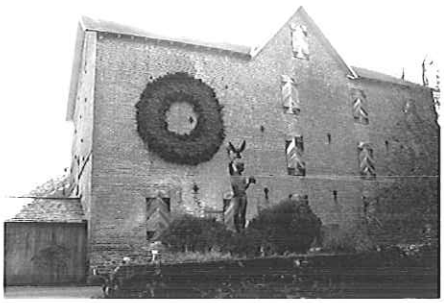
Plum Orchard Mansion, Georgia: Provided design for a whole house ventilation system and upgrade of the existing electrical systems for this historic structure located on a barrier island. Designed a full coverage smoke detection and fire suppression system with a diesel fire pump and fire suction tank.

David Wills House, Gettysburg, Pennsylvania: Renovation including HVAC, electrical, plumbing and telecommunication systems.

Harpers Ferry – Coons and Wilson, West Virginia: Upgrade of existing HVAC and electrical systems and installation of new fire protection systems for these historic structures.

Historic Renovation Experience

Boarman Art Center



Brandywine River Museum

Mount Vernon Inn and Visitor Center

Other Historic Renovation Projects:

- Annapolis City Hall
- Architect of the Capitol
- B&O Office Building
- Boarman Art Center
- Brandywine River Museum
- Commercial National Bank Building
- Corcoran Gallery of Art
- Dumbarton Oaks Museum
- Fort McNair, Building 47
- Fort Myer - Barracks 250 and 251
- Gallaudet University, Fowler Building
- Holocaust Memorial Museum
- Johns Hopkins University, Jenkins-Mergenthaler Halls
- Longwood Gardens
- Maryland Institute College of Art
- McDaniel College Alumni Hall Theatre
- Morgan State University, Holmes Hall
- Mount Vernon Inn & Visitor Center
- National Park Services: Arlington House; Manassas Battlefield Brawner Farmhouse; Henry, Stone and Thornberry Houses; General Grant's Tomb; Lockwood House; Ferry Hill Plantation House; Clara Barton House; Lincoln Boyhood Home; Cape Hatteras National Seashore; Dry Tortugas National Park; and many others
- National Society, Daughters of the American Revolution
- Smithsonian Institution National Air and Space Museum
- University of Maryland, National Dental Museum
- Walter Reed Army Medical Center, Building 41
- Walters Art Gallery
- Washington Naval Yard, Historic Buildings 200 and 175

Arlington House

Manassas Battlefield, Brawner Farmhouse

FAISANT ASSOCIATES, INC.
STRUCTURAL ENGINEERING

General Information

Joseph L. Faisant, whose basic standards of professional and technical excellence have been maintained by his successors, founded Faisant Associates, Inc., in 1950. Although the basics have endured, the firm has kept abreast of the constantly developing design techniques and strategies. Faisant, located in Baltimore, Maryland, has provided structural engineering services in Maryland and nationally for many projects.

The firm's professional work is performed by or under the personal direction of registered engineers participating in the ownership of the firm. Faisant offers structural design and construction phase services for many types of projects as well as complete design services on projects which are predominantly structural in character. Additionally, direct consulting and advisory services are offered in evaluation of existing structures, damage investigations, product development and testing, and structural feasibility studies.

Faisant has completed over 2500 engineering assignments, ranging in size and complexity from brief consultations to compete design and construction phase services for large projects, including visitor centers and contact stations, for the National Park Service, and various state and county agencies.

Technical Society of Memberships:

American Society of Civil Engineers, American Concrete Institute, Precast/Prestressed Concrete Institute, American Institute of Timber Construction, American Society for Testing and Materials, American Institute of Steel Construction, American Consulting Engineers Council, Post Tensioning Institute, National Society for Professional Engineers and The Society for Marketing Professional Services.

Design Awards:

Baltimore Chapter National Society of Professional Engineers "Engineering Project of the Year" Award for 'Reconstruction of the Baltimore City Hall Dome.

Maryland Section American Society of Civil Engineers "Outstanding Civil Engineering Achievement Award of 1982" for Eastern Avenue Pumping Station Force Main (Participant with others).

American Institute of Architects, Baltimore Chapter, "Consultant of the Year."

Project Descriptions:

Harpers Ferry National Historic Park

Rehabilitation of Train Station

National Park Service, Harpers Ferry, West Virginia

Restoration and renovations to the historic building for its continued use as a train station and adaptive reuse as a visitor center which includes exhibit space. Restoration work included structural reinforcement of floor and roof reframing and complete replacement of the building's foundation.

Cost: $1.3M

Completion: 2004

Marlboro Square

Baltimore, Maryland

Restoration of the historic 19th century Marlboro and Strouse buildings in downtown Baltimore. The project included the conversion of the buildings to apartments, offices and retail use. An extensive investigation of the building was undertaken to evaluate the structure for its intended reuse, and included materials testing. The restoration included reinforcement and repair of structural steel, cast iron, and wood floor and roof framing, and the creation of a seven story atrium/courtyard at the center of the building.

Cost: $7.5M

Completion: 1987

Cumberland Island National Seashore

Plum Orchard Mansion Rehabilitation

National Park Service, Cumberland Island, Georgia

Restoration of the historic mansion which included architectural preservation, structural stabilization, new fire protection system, ADA accessibility, and mechanical, electrical and plumbing systemic upgrades.

Cost: $2.9M

Completion: 2008

Harriet Tubman Underground Railroad State Park

Dochester County, Maryland

New 15,000-SF museum, visitor center and administration buildings, housing exhibit & interpretive areas, gift shop, library, conference room and offices.

Cost: $15M

Completion: 2014 (Anticipated)

Ft. McHenry National Monument & Historic Shrine

Baltimore, Maryland

New 17,000-SF, two-story visitor, education & administrative center including exhibit space, theater, visitor services, offices and site improvements.

Cost: $12M

Completion: 2010

Homestead National Monument of America

Beatrice, Nebraska

New 10,800-SF visitor center, including exhibit & research space, curatorial & collection area and offices.

Cost: $4.3M

Completion: 2008

Monocacy National Battlefield Park

Frederick, Maryland

New 7,785-SF visitor center including exhibit space, archival area, library, and offices.

Cost: $3M

Completion: 2007

Petersburg National Battlefield, Visitor Contact Station

Petersburg, Virginia

New multi-use visitor facility housing exhibit and interpretive spaces and comfort facilities.

Cost: $2.94M

Completion: 2009

ANDERSON & ASSOCIATES

SITE/CIVIL ENGINEERING

About Anderson & Associates

Anderson & Associates is an employee-owned professional design services firm specializing in civil and environmental engineering, surveying, planning, and landscape architecture. The firm focuses on planning, design, and construction contract administration for private and public works projects, primarily in West Virginia, Virginia, and North Carolina.

Since 1968, A&A has provided a full range of traditional engineering services, from planning and analysis to design and implementation. The company handles institutional, municipal, state, industrial, and recreational projects that entail master planning, water, wastewater, stormwater, transportation, and site development. Other services include Geographic Information Systems, information technology services, digital site simulations, database development, and web site hosting and design.

A&A consists of 83 full and part-time employees with a high percentage of licensed professionals, including 26 Professional Engineers, 13 Land Surveyors and 1 Landscape Architect. A large pool of design technicians, drafting experts, and inspectors supports the team effort.

Anderson & Associates, Inc. strives for excellence and "top notch" service for our new and long-standing clients. Regional offices in several locations assist in achieving these goals. To better serve our clients, we have four strategic office locations in Beckley, West Virginia; Blacksburg and Middletown, Virginia; and Greensboro, North Carolina. We maintain close contact with state agencies and can respond effectively to fast track assignments. Team members from our Beckley, West Virginia office will primarily serve for this contract, allowing for close proximity and responsiveness to the project site.

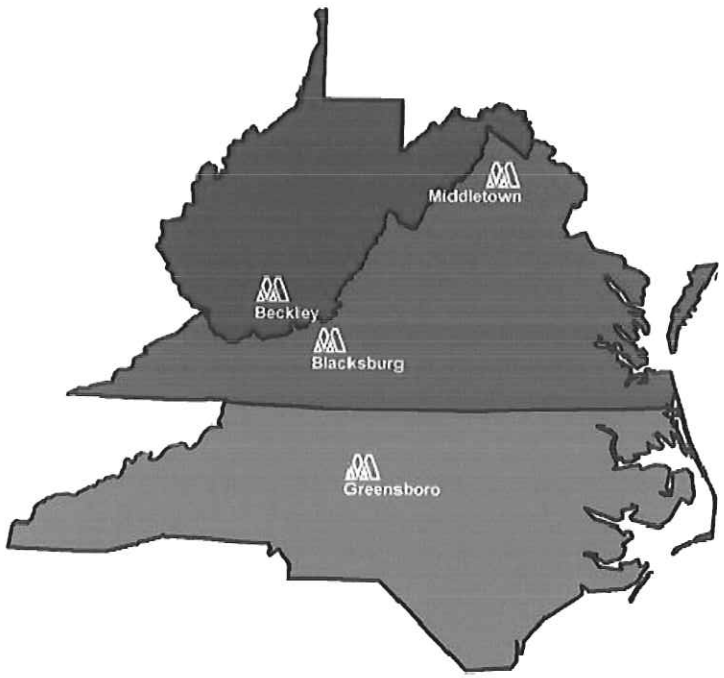
Historic Preservation Experience

Anderson & Associates, Inc. has been involved with several historic preservation projects and we are familiar with the procedures and requirements of Section 106 of the National Historic Preservation Act. We believe that any restoration efforts of a historic structure should maintain and enhance the heritage and significance of this building and its setting. Some examples of our past historic preservation work includes the following:

- **Crystal Springs Avenue Streetscape Improvements, City of Roanoke, Virginia**—Design of a master plan for the Crystal Spring Village Center, in the Historic South-West section of the City. This plan looks at nearby commercial and residential parking needs, as well as pedestrian and vehicular safety, and streetscape enhancements. The plan assesses existing streetscape elements such as lighting, street trees and landscaping, benches, waste receptacles, and signage, making enhancement recommendations to preserve the historic neighborhood-commercial and village-center characteristics of this unique urban block. The final plan was a functional graphic plan and narrative report describing the assessment of the site, the wishes of business owners and residents, and subsequent design recommendations.

- **Train Restoration & Museum Design, Town of Saltville, Virginia**—Conceptual and final design associated with the train restoration site in the Town of Saltville. The conceptual design and cost update were used when filing for additional funding from the Virginia Department of Transportation's TEA-21 funding program. The conceptual plan showed the proposed improvements which consisted of safety improvements to the site, a men and women's restroom, parking lot improvements, train detail improvements, water and wastewater extensions, and possibly improvements to the existing building for use as a museum.

- **Pedestrian Safety & Movement Study, Town of Abingdon, Virginia**—Study that analyzed the infrastructure and patterns in the Town in regards to pedestrians, bicyclists and vehicles. The Town of Abingdon has flourished as a tourist destination in Southwest Virginia for the last two decades largely because of its balance of historical infrastructure and modern cultural amenities. Brick sidewalks with limestone curbs, wrought-iron fences and ornamental hitching posts still line the streets of the Town. The recommendations of this study needed to respond to the historical context of the Town yet provide state of the art conveniences such as illuminated crosswalks.



Smyth County Courthouse Renovation

Focused on Service,
Focused on You

Smyth County, Virginia

Firm's Responsibility:
Site Design, Surveying, Landscape Architecture, Construction Administration, & Inspection

Owner:
Smyth County
121 Bagley Circle,
Suite 100
Marion, VA 24354
Mr. Scott Simpson, PE
Assistant County Administrator
276-783-3298

Architect:
Moseley Architects

Completion Date:
Design: 2012 (estimated)
Construction: 2014 (estimated)

Total Project Cost:
$25,000,000

As a subconsultant to Moseley Architects, A&A assisted Smyth County in evaluating a host of possible renovation options for their courthouse. The design team gathered design parameters and data from the users group, developed options, estimated costs, and assisted in the evaluations and selection process. Following the completion of the study, the design team developed the schematic design for which A&A prepared a detailed topographic survey of the approximately 4-acre site. After a lengthy process of negotiation between the County and the judges, the design team has completed Design Development and is now preparing to start construction documents for the project. The scope will include demolition of the existing 16,555 GSF jail building, complete renovation of the existing courthouse and construction of a three-story, 43,175 GSF addition to the courthouse. Site elements include utility relocations and reconfiguring the remaining parking lot to accommodate ADA and general public parking as well as a separate parking lot for the judges. Construction will be phased such that the existing courthouse can remain occupied and in operation continuously throughout the project. The jail demolition and utility relocations will be separated into a separate bid package to aid in the necessary construction phasing.

Train Restoration & Museum Design

Focused on Service,
Focused on You

Town of Saltville, Virginia

Firm's Responsibility:
Conceptual and final design

Owner:
Town of Saltville
PO Box 730
Saltville, VA 24370
Mr. Jeff Smith
(276) 496-5342

Completion Date:
2004

Project Costs:
$298,409

Anderson & Associates, Inc. prepared the conceptual and final designs associated with the train restoration site in the Town of Saltville. The conceptual design and cost update were used when filing for additional funding from the Virginia Department of Transportation's TEA-21 funding program.

The conceptual plan showed the proposed improvements which consisted of safety improvements to the site, a men and women's restroom, parking lot improvements, train detail improvements, water and wastewater extensions, and possibly improvements to the existing building for use as a museum.

C&O Historical Society

Clifton Forge, VA

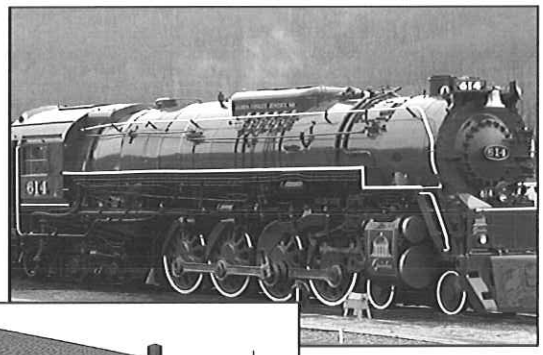
Focused on Service,
Focused on You

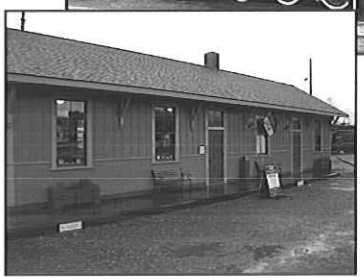
Firm's Responsibility:
Rail Design, Survey

Owner:
C&O Historical Society
312 East Ridgeway St.
Clifton Forge, VA 24422

Completion Date:
2012

Project Fee:
$72,000





Anderson & Associates, Inc. provided engineering services for trackage to a proposed rail car / locomotive restoration facility located at the C&O Railway Heritage Center adjacent to the track facilities of the CSX railroad in the Town of Clifton Forge. This rail design included surveying, environmental, and the design of a rail access spur connecting the CSX tracks with the proposed restoration facility at the Heritage Center.

Historic Sites

Various Locations, Virginia

Focused on Service,
Focused on You

Firm's Responsibility:
Site Development on Historic Sites

Owner:
Various through Virginia

- **Walkerton Tavern Adaptive Reuse.** Walkerton, a 170-year-old tavern located just north of Richmond, and its twenty-two acre site are registered historic Virginia landmarks. Anderson & Associates was selected by Henrico County to prepare the master plan to determine the most appropriate uses for the tavern and integrate the site with the new cultural arts center, housed in the adjacent former Glen Allen Elementary School. This project involved survey, wetland delineation, historic research and archaeological investigation for relocating the access road to the cultural arts center, providing parking for visitors to the arts center and Walkerton, creating pedestrian and handicap access to Walkerton, and landscaping the site.
- **Colleges/Universities.** Anderson & Associates has provided site development and surveying services including grading, utility relocations, erosion & sediment control, and stormwater management at several historic campuses across Virginia. These have included Emory & Henry (*pictured to the right)*, University of Virginia, College of William & Mary, Virginia State University and Hollins University.
- **Science Museum of Virginia.** Anderson and Associates provided topographic and boundary surveys, preliminary design for 1/2 mile of new railroad, and preliminary design of truck entrance at the Science Museum of Virginia. Included preparation of plats for the transfer of easements between the Science Museum and Fine Foods of Virginia. A&A was also involved in Phase III renovations for storm water management issues and construction administration. The museum is housed in the renovated Broad Street Station first opened in 1919. The Science Museum renovations are being funded by 1992 general obligation higher education bonds, a grant from the Intermodal Surface Transportation Efficiency Act (ISTEA), and private monies. Sub to Architect. **Pictured to the top*
- **Pamplin Train Station.** Project included conversion of existing site into a community center. Site plan included design for a new parking lot, a sanitary sewer line, a water line, a concrete channel for stormwater runoff, and minor grading. Cost estimating was also included in the scope of this project. Funded by ISTEA.

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

Solicitation

NUMBER	PAGE
CHA12017	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
CONNIE HILL
304-558-2157

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE
David Wright
GWWO Inc./Architects
800 Wyman Park Dr., Ste 300
Baltimore, MD 21211

SHIP TO
COAL HERITAGE TRAIL AUTHORITY
NATIONAL COAL HERITAGE AREA AU
POST OFFICE BOX 5176
104 WILSON STREET
BECKLEY WV
25801-5176 304-256-6941

DATE PRINTED
06/08/2012

BID OPENING DATE: 07/12/2012 BID OPENING TIME

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

EXPRESSION OF INTEREST

THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE COAL HERITAGE HIGHWAY AUTHORITY IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR THE RESTORATION AND ADAPTIVE REUSE OF A HISTORIC STRUCTURE IN THE CITY OF MOUNT HOPE, WEST VIRGINIA FOR THE PURPOSE OF AN INTERPRETIVE AND VISITOR CENTER FOR THE COAL HERITAGE TRAIL AND NATIONAL COAL HERITAGE AREA. PROJECT WILL ALSO INCLUDE OFFICE SPACE FOR THE COAL HERITAGE HIGHWAY AUTHORITY, VISITOR SERVICES, RESTROOMS, GIFT SHOP AND COFEE SHOP/SNACK BAR PER THE ATTACHED BID REQUIREMENTS AND SPECIFICATIONS.

**BID CLOSING DATE: JULY 12, 2012 AT 1:30 PM

LOCATION: PURCHASING DIVISION, BUILDING #15
2019 WASHINGTON STREET, EAST
CHARLESTON, WV 25305

0001	1	JB		906-00-00-001		

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

FOR THE RESTORATION AND ADAPTIVE REUSE OF A HISTORIC STRUCTURE IN MT. HOPE, WV TO BE USED AS AN INTERPRETIVE AND VISITOR CENTER FOR THE COAL HERITAGE TRAIL AND NATIONAL COAL HERITAGE AREA PER THE ATTACHED SPECIFICATIONS.

SIGNATURE	TELEPHONE	DATE
David L Wright	410.332.1009	7/11/12
TITLE: Principal	FEIN: 52-1706101	ADDRESS CHANGES TO BE NOTED ABOVE

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

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

Solicitation

NUMBER	PAGE
CHA12017	2

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104 WILSON STREET
BECKLEY WV
25801-5176 304-256-6941

DATE PRINTED
06/08/2012

BID OPENING DATE: 07/12/2012 BID OPENING TIME

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ATTACHED DOCUMENTS: 1. EXPRESSION OF INTEREST 2. INSTRUCTION TO VENDORS SUBMITTING BIDS 3. GENERAL TERMS & CONDITIONS 4. ADDITIONAL TERMS & CONDITIONS FOR ARCHITECTURAL AND ENGINEERING SERVICES 5. CERTIFICATION & SIGNATURE PAGE 6. ADDENDUM ACKNOWLEDGEMENT FORM 7. PURCHASING AFFIDAVIT		
				****** THIS IS THE END OF RFQ CHA12017 ****** TOTAL:		

SIGNATURE David B. Wright TELEPHONE 410-332-1009 DATE 7/11/12

TITLE Principal FEIN 52-1706101 ADDRESS CHANGES TO BE NOTED ABOVE

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

Solicitation

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

NUMBER	PAGE
CHA12017	1

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304-558-2157

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NATIONAL COAL HERITAGE AREA AU
POST OFFICE BOX 5176
104 WILSON STREET
BECKLEY WV
25801-5176 304-256-6941

DATE PRINTED: 07/09/2012
BID OPENING DATE: 07/12/2012 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT

ADDENDUM NO. 1

1. TO PROVIDE ANSWERS TO QUESTIONS RECEIVED FOR THIS SOLICITATION.
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED AND SHOULD BE RETURNED WITH YOUR BID. FAILURE TO RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.

0001	1	JB		906-00-00-001		

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

SIGNATURE: David B. Wright TELEPHONE: 410-332-1009 DATE: 7/11/12

TITLE: Principal FEIN: 524706101 ADDRESS CHANGES TO BE NOTED ABOVE

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

CERTIFICATION AND SIGNATURE PAGE

CHA12017

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

GWWO Inc./Architects
(Company)

David G. Wright, FAIA, LEED AP
(Representative Name, Title)

410.332.1009/410.332.0038
(Contact Phone/Fax Number)

July 11, 2012
(Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CHA12017

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[ ]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

GWWO Inc./Architects
Company

Authorized Signature

July 11, 2012
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

RFQ No. CHA12017

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: GWWO Inc.

Authorized Signature: David E. Wright Date: July 11, 2012

State of Maryland

County of Baltimore City, to-wit:

Taken, subscribed, and sworn to before me this 11 day of July, 2012.

My Commission expires November 12, 2012.

AFFIX SEAL HERE

NOTARY PUBLIC Amanda A. Jelks

AMANDA A. JELKS
NOTARY PUBLIC
BALTIMORE COUNTY, MARYLAND
MY COMMISSION EXPIRES: 11/12/2012