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Header @ 1

List View

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1053663

Procurement Type: Central Purchase Order

Vendor ID:

Legal Name: Frederick Ward Associates, Inc

Alias/DBA: Frederick Ward Associates

Total Bid: \$0.00

Response Date:

Response Time:

Responded By User ID:

First Name:

Last Name:

Email:

Phone:

SO Doc Code: CEOI

SO Dept: 0613

SO Doc ID: VET2200000001

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Close Date: 6/21/22

Close Time: 13:30

Status: Closed

Solicitation Description:

Total of Header Attachments: 1

Total of All Attachments: 1



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

State of West Virginia
Solicitation Response

Proc Folder: 1053663
Solicitation Description: Beckley Veterans Nursing Facility Architectural/Engineering
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2022-06-21 13:30	SR 0613 ESR06212200000007924	1

VENDOR
VS0000040758
Frederick Ward Associates, Inc

Solicitation Number: CEOI 0613 VET2200000001

Total Bid: 0 **Response Date:** 2022-06-21 **Response Time:** 11:42:03

Comments:

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
(304) 558-2544
tara.l.lyle@wv.gov

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Develop A&E EOI & Other Documents For Beckley Facility	1.00000	EA		

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: Please see attached response to letter of interest.

Extended Description:

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Laying the Foundation for a Better Environment



FREDERICK WARD ASSOCIATES

Listen Better. Design Better. Live Better.

EXPRESSION OF INTEREST

**Beckley Veterans Nursing Facility
Architectural/Engineering**

EOI #22-367

June 21, 2022

5 S. Main Street | Bel Air, MD 21014

Listen Better.

Design Better.

Live Better.

5 S. Main Street | Bel Air, MD 21014



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**FREDERICK WARD
ASSOCIATES**

5 S. Main Street
Bel Air, MD 21014
410.838.7900

frederickward.com

ARCHITECTS

ENGINEERS

PLANNERS

SURVEYORS

June 21, 2022

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130
Fax: 304-55-3970

Re: Expression of Interest to 22-367 Beckley Veterans Nursing Facility

Dear Members of the Selection Committee,

Please allow this letter to formally serve as our expression of interest in response to the invitation to provide architecture and engineering design services for construction of a 120,00 SF, 120-bed veterans nursing facility.

FWA is a privately held corporation and certified small business that began as a surveying firm in 1955. In our 67 years in business, we have grown into a vibrant and responsive multidisciplinary team of architects, civil engineers, land planners, and surveyors. We provide services to public and private sector clients throughout the Mid-Atlantic region, neighboring states such as West Virginia, and as far south as North Carolina. FWA has the privilege of working with healthcare clients nationwide.

There are 38 professionals currently employed at FWA, including four principals, each of whom oversee their discipline of expertise. The team at FWA uses a multidisciplinary and collaborative approach to attentively listen to clients' objectives and needs in order to design innovative, thoughtful, and functional environments for all to live better.

At my direction as the Principal Architect, I will oversee the project team that will be led by Mr. William (Bill) Starr, RA, AHCA Cand, who will be the Project Manager. To enhance our capabilities in stronger alignment with the complementary roles of the design scope, we will collaborate with the following firms to execute the project's core tasks:

- Baker, Ingram & Associates (Structural Engineering)
- Burdette, Koehler, Murphy & Associates (BKM), Inc (MEP Engineering)
- Mula (Geotechnical Engineering)
- Direct Supply (Interiors/Technology/Food service/Low Voltage / Kitchen)
- CostCon Construction Services, LLC (Cost Estimating)

Our proposed team is comprised of highly skilled subconsultants who are experts in their respective disciplines and we have a successful project history working with all of these firms.

We are confident that our submission adequately demonstrate both our interest in meeting your stated needs and provide you with a clear sense of our capabilities. We welcome the opportunity to work with West Virginia's Department of Veterans Affairs in providing these essential services. If you have any questions, please contact me at 410-838-7900, or bmiller@fredward.com.

Respectfully Submitted,
Frederick Ward Associates, Inc.

Barry A. Miller, AIA
Director of Architecture

Specialized Experience and Past Performance:

Frederick Ward Associates is a medium-size, architecture and engineering firm that has established itself as one of the region's prime outlets for full service civil design. As such we are typically not recognized for our healthcare related work, however FWA holds on-call contracts with national healthcare facilities management companies and routinely renders service to national and regional providers such as Direct Supply, Tyco Partners, Genesis Healthcare and others.

Our Healthcare Studio is headed by 2 registered architects who bring with them a combined total of over 65 years' experience comprised of more than 250 healthcare specific projects across a broad geographic region. These projects range from simple systemic renovations to full scale departmental reorganizations, various types of treatment suites, short and long term care areas, as well as facility additions and new facility construction.

We have worked on many projects with the firms on the proposed team. Some of these professional relationships go back up to 20 years. Our coordinated efforts have created hundreds of successful projects throughout Mid Atlantic Region. We stand ready to make a commitment to provide top quality, personalized professional services on this project. You have a vision for this important facility. We have the skills, experience, and desire to assist you in bringing that vision into focus while respectfully maintaining the Veterans Association core ICARE values.

Firm Capacity and Management Oversight:

We have purposefully structured our office to maximize flexibility in order to provide rapid response to our clients as well as ensure direct Principal involvement in all of our work. This unique structure also allows us to shift focus of production personnel as needed to ensure every client's needs are met. As a bi-product, this organizational model has produced a well versed group of project managers and production staff who are aptly equipped to deal with a variety of challenges. Interestingly we find that most design challenges are not necessarily studio specific and thanks to studio overlap we find that lessons learned in one field can be applied across a number of our focus fields.

This combination of qualified leaders, experienced project managers and flexible production staff are the reason why many of our clients are repeat clients. As a result we hold on-call contracts with numerous federal, state, county and local agencies across a wide variety of focus markets.

Project and Goals:

Frederick Ward Associates understands that, if we were awarded this Contract, our scope of work would be carried out in two phases:

Phase 1:

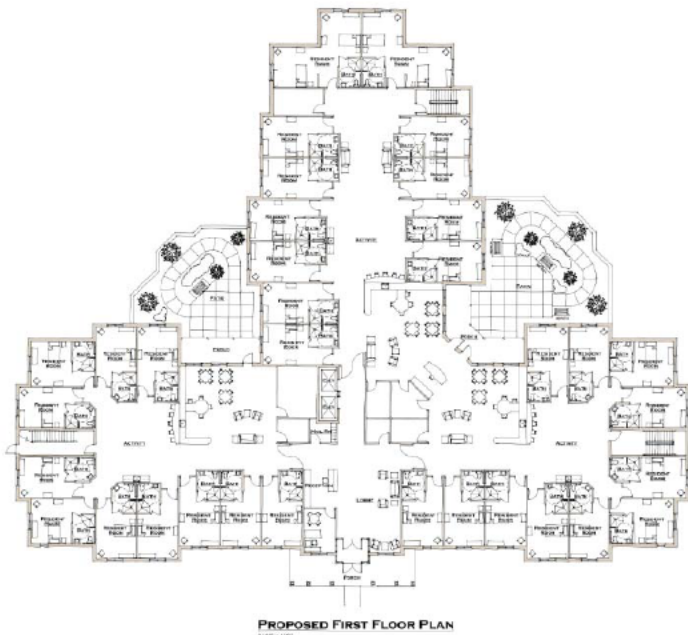
Programing Verification and Schematic Design

We start each project by listening to your facility needs and desires, and by learning how you work and what you do. Nobody knows your business as well as you do; our expertise is in translating those needs into physical form, not in telling you what you should be doing differently.

FWA will then work with stakeholders to prepare a basic programing document. This document will capture number and types of spaces required along with required adjacencies and amenities required by the end user. FWA will then translate the project program into physical drawings of space. In schematic design, the project team determines the areas, physical requirements and relationships of all the required building spaces and components, then confirms or revises the total building square footage and the total project budget, as well as the project schedule and occupancy dates.

Schematic design includes a complete description of building systems (structural, mechanical, HVAC, plumbing and electrical), interior and exterior finishes and the building site. It provides control strategies for all equipment and systems relating to building services such as security and fire alarms and defines the technical requirements for phones, data, cable and audio-visual needs.

The schematic drawings—floor plans, site plans and building elevations—are reviewed and refined for functionality, usability, required adjacencies, code compliance, security, safety and aesthetics. The project program and the schematic drawings are scrutinized for possible errors or omissions. The plans are shared and discussed with staff in other areas of the University such as Maintenance, Custodial, Logistics, Information Technology, to identify possible problems and to coordinate with the needs and practices in these areas.



Design Development

In design development, the schematic plans and elevations are reviewed, revised, and expanded to incorporate all the details and specifications required for construction.

Project components are looked at to the smallest detail. These include:

- Interior and exterior building materials and finishes.
- Furniture and equipment selection and layouts.

- Cabinetry and custom fabrications.
- Lighting and technology designs.
- Mechanical, electrical and plumbing systems.



Issues often come to light that affect constructability or are critical to satisfying the project program, and that may require changes to the project program or to the budget, or both.

By the end of design development the design drawings and specifications are sufficiently complete to establish and define the facility's size, function, configuration and spaces, the operation or use of equipment and the materials for all the principal building structures and systems. With this information, the project budget and schedule and

all building plans are finalized.

FWA understands that this will constitute the work scope of work for phase 1 and if federal funds are secured, the Agency will proceed to Phase 2 of the work scope.

Phase 2

Construction Documents

Construction documents are compiled from design development documents. They include all the architectural drawings and specifications necessary to complete the project and are the basis of the bid documents and the construction contract.

- In this phase the total project is reviewed for:
- Compliance with all applicable state and federal codes and statutes.
- Verification of the building site conditions.
- Quality controls during the construction phase.
- Estimates of all associated costs.

The estimated project costs are reviewed and updated to reflect current construction costs and are compared with the established project budget. If it is no longer feasible to complete the project within the established budget, alternative approaches and practical cost reductions are identified.

Construction and Construction Administration

The design Team will monitor the projects process through construction and document all design issues, changes and specifications, then verifies that the construction documents are being followed.

Throughout the construction phase, situations arise that require changes or refinements to the drawing or specifications. These changes are documented as "bulletins," "submittals," "change orders" or "shop drawings" and are added to the construction documents.

Periodic reviews occur during the construction phase. In-house reviews check the accuracy and quality of work and test the equipment. Building and equipment commissioning is an on-going process that tests whether the building systems are programmed and working as designed. Other reviews are conducted by official entities such as the Fire Marshal.

Occupancy of a building can occur only when the project is complete enough for the fire marshal to issue a certificate of occupancy.



Project Closeout

Towards the end of construction FWA will assemble a "punch list", or a list of items that need to be corrected or completed. Once the work is complete enough to allow satisfactory operation of the building, the project becomes "substantially complete". This may occur even if some work remains to be done.

Substantial completion starts the legal and physical transition to owner's control of the facility:

- Warranty periods commence.
- The statute of limitations on legal liabilities starts.
- The Owner assumes building liability and provides security and maintenance services.
- Faculty and staff start training on the building systems and technology.

Every construction project has a "start-up" or "break-in" period, which begins after the project is substantially complete. Building systems and equipment are monitored, problems and warranty situations identified, and repairs and modifications continue. The project is officially closed only after all "punch list" items are addressed.



Barry A. Miller, AIA

Director of Architecture

Role

Principal Architect

Years of Experience

Total: 36

With Firm: 5

Education

M.A., Architecture, Arizona State University, 1988

B.A., Architecture, Iowa State University, 1980

Active Registrations

Maryland Licensed Architect # [REDACTED]

Delaware # [REDACTED]

DC # [REDACTED], Pennsylvania

[REDACTED], Virginia # [REDACTED]

New Jersey # [REDACTED]

Mr. Miller is a highly proficient architect with over 35 years of experience in design, project management, and construction administration. A decisive leader with excellent communication skills and a strong ability to coordinate with clients, design partners, and construction team members, he takes the title of Director of Architecture at FWA. With an approachable management style, Mr. Miller is skilled in creating a collaborative environment in which team members are driven to excel.

Experience

University of Maryland Medical System Paca Pratt Building | Baltimore, MD

Project Architect: Responsible for developing a 27,000 SF Data Center that included a multi-functioning command center on the ninth floor that would be accessed not only by the newly renovated floors of the M&T Building, but also by the University of Maryland Medical System's community. In addition to the normal challenges of designing a Data Center, this project contained the complexity of bringing utilities and fuel up nine stories through other tenant spaces. MDF and IDF rooms were centrally placed on the floors for the distribution of voice, video and data. In addition to the ninth floor design work, the scope of work included 200,000 SF of renovations and moving of various University of Maryland departments, to the first thru eighth floors. Responsibilities included developing the space programming, cost estimations, design meetings, development of the design and construction documents.

Columbia Gateway Drive | Columbia, MD

Project Architect: Responsible for the upgrades the existing 48,000 SF former NCR data center to allow the University of Maryland Medical System to relocate, consolidate and expand its IT operation in support of the Medical System's adoption of a new support system. This included upgrading the facility to a Tier III data center. Project scope also included refurbishing the existing conferencing center and open office area, creating a help desk, call center, and renovating space in the building to accommodate office growth. Responsibilities included feasibility studies, cost estimating, project management, design and design development through construction administration and coordination of commissioning

Johns Hopkins School of Medicine – Pulmonary Laboratory renovations | Baltimore, MD

Project Architect: Produced design, construction documents and construction administration services for seven medical/research labs and support spaces inside the Asthma and Allergy Center. Items included in this work were biosafety cabinets, refrigerated laboratories, and darkroom laboratories. Responsibilities include program development, cost estimation, design, construction documents, coordination of consultants and construction administration

Town of Riverdale Park Municipal Center & Police Department | Riverdale Park, MD

Project Architect: Responsible for program development, planning and design, construction documents and the coordination of construction administration for a 6500 SF teaching laboratory renovation. Each laboratory contains all major research instruments such as advanced microscopes, biochemical instrumentation, sequencing and computational facilities.



Bill Starr, RA

Architectural Project Manager

Role

Senior Project Manager

Years of Experience

Total: 27

With Firm: 1

Education

A.A., Science, Florida Technical College,
1995

Active Registrations

Maryland Licensed Architect # [REDACTED]
Pennsylvania#: [REDACTED] NCARB:
[REDACTED]

Mr. Starr has over 25 years of experience in all aspects of architectural design process across multiple geographic markets, having spent a number of years practicing architecture in Florida prior to returning to the Mid-Atlantic region. He credits his passion for architecture to a drafting class he took in high school where he began doing Isometric drawings and from then on was determined to make a living doing similar work. Bill's personable demeanor, coupled with his technical expertise and leadership abilities, makes him an asset to any project team. He is a candidate for the American College of Healthcare Architects Program.

Experience

Woodbine Rehabilitation and Healthcare Addition & Renovation | Alexandria, VA

Project Manager: Currently providing preliminary design support to facilitate zoning approval process for a new 3-story, 50 bed addition to a skilled nursing facility that integrates a new main entrance, administrative offices, and a new therapy area.

Collingswood Rehabilitation & Healthcare Center – Vent Unit | Rockville, MD

Project Manager: This was a relatively straightforward effort to provide 17 existing beds with oxygen and medical vacuum to support the facility's respiratory care unit. The scope also included design of new onsite bulk oxygen system. The project is currently under construction.

Woodbine Rehab and Healthcare – Vent Unit Expansion and New Dialysis Unit | Alexandria, VA

Project Manager: This was a multi-phase effort to expand the facility's respiratory care unit from 44 beds to 76 beds as well as provide a new 9-station dialysis unit onsite. The scope required an upgrade of the existing onsite bulk oxygen system as well as reconfiguring the existing rehab area to accommodate the new dialysis suite. The project is currently under construction.

Canterbury Rehabilitation & Healthcare Center – New Vent and Dialysis Units | Richmond, VA

Project Manager: This was a multi-phase effort to provide the facility with a new 27-bed respiratory care wing as well as provide a new 9-station dialysis unit onsite. The scope required design of a new onsite bulk oxygen system and reconfiguring the existing dining and recreation spaces area to accommodate the new dialysis suite. The project is currently under construction.

Haven Hospice Expansion and Renovation | Gainesville, FL

Project Manager: Led the design of a hospice facility of which 17,476 SF was new construction and 23,476 SF was a remodel. The total construction cost was \$8.1M.

Hershey Wing Expansion and Renovation | Lititz, PA

Project Manager: Led the design at a senior living facility for a \$12M, 21,538 SF addition and renovation that included a lobby area, dining facility, and community gathering space.

North Florida Retirement Village Center Pointe Commons Renovation | Gainesville, FL

Project Manager: Led the design and provided construction administration services for a 16,800 SF, \$1.6M renovation at a senior living facility. The renovated spaces included the library, cafe area, and common rooms.

Chris Haga

Construction Administrator

Role

Construction Administrator

Years of Experience

Total: 26

With Firm: 1

Starting as a laborer in 1996 and working his way to superintendent in 2004, Chris was a superintendent for 15 years working for a leading general contractor based in Washington, DC. While there, he did projects ranging from hospitality, restaurant, health clubs, schools, and banks. Chris then went to work for Carroll County Government as a Senior Project Manager. Chris did estimation work for the County while he ran several high profile projects such as the 911 call center, renovation of the County Office building main lobby, the Exploration Commons at Westminster branch of the Carroll Library System, and the design of the Carroll County States Attorneys office.

Experience

Carroll County Secondary 911 Call Center Expansion | Carroll County, MD

Senior Project Manager: Worked with the general contractor and design team on a renovation project that included expansion of the existing secondary call center in adjacent office space, expansion of the current employee kitchen, conversion of an existing unisex toilet room into an executive shower room, and a refreshing of finishes to an existing unisex toilet room. To accomplish this, departments within the Carroll County administration building had to be shuffled and the project scope was expanded to include remodel of 4 existing spaces in the Carroll County Book Depository building to create a new office suite for county employees.

Carroll County Administration Building Lobby Renovation | Carroll County, MD

Senior Project Manager: Worked with the general contractor and design team to retool and finish the County's administration building lobby to combat the ongoing Covid pandemic. The final scheme included renovations to the existing lobby, entrance, security desk and human resources department.

Westminster Library Renovation | Westminster, MD

Senior Project Manager: Worked with the general contractor and design team on an entire fit-out of an existing basement shell space to include a makerspace, commercial teaching kitchen, and a large scale meeting room. The former was sized to accommodate community meetings, library staff meetings and other presentations. Other spaces within the fit-out include a classroom, administrative space, additional meeting rooms, and ADA compliant men's, women's, and family toilet rooms. The addition of an exterior elevator and stair were also included in the design scope.



Katelynn Pierce, PLA, ASLA

Landscape Architect

Role

Landscape Architect

Years of Experience

Total: 11

With Firm: 5

Education

B.L.A., Landscape Architecture,
University of Maryland, 2011

Active Registrations

Maryland Landscape Architect # [REDACTED]
LEED Green Associate

Memberships

Maryland ASLA Chapter
- Membership Chair (2013-2017)
- EMBARK Publication Committee
(2013-2017)
- Member at Large (2015-2017)

Mrs. Pierce has eleven years of experience in varying disciplines of landscape architecture in both the public and private realms of development. Her background includes performing site analysis and conceptual planning for developments throughout Maryland and Virginia, along with the coordination of sketch, site, landscape, and stormwater management landscape plans.

Experience

Office Street Pocket Park | Bel Air, MD

Landscape Architect: Created construction drawings for the redesign of an existing pocket park based on a client-provided concept sketch. Designed a planting plan and hardscape design to flow and connect with the existing features and elements of Downtown Bel Air.

Gold Star Plaza and Living Legacy Pavilion | Aberdeen, MD

Landscape Architect: In conjunction with a memorial plaza and pavilion that FWA designed, Mrs. Pierce designed the hardscape plan for the pavilion and plaza area, and designed a corresponding landscape site plan per the vision of Aberdeen Proving Ground's Major General.

Upper Chesapeake Medical Campus – Master Plan Redesign | Bel Air, MD

Project Designer Assisted with the redesign of campus improvements that included additional parking, building expansions, landscape design, and pedestrian/traffic flow, and the relocation of the main entrance road

Preston Properties | Bel Air, MD

Landscape Architect: Designed a master plan for a 25 acre park to include 20,000 sf community building, one mile of walk trails, and a wetland boardwalk. Programmed the site to allow for different phases of development.

Edgewood Small Area Study | Edgewood, MD

Landscape Designer: Worked with a team to create a study focused on the revitalization efforts of the area commonly known as "Old Edgewood", with the goal of developing a sustainable solution for community revitalization that encompasses better access, economic development, and supports the mission of Aberdeen Proving Ground.

DaVita Retrofit Properties | Alexandria, VA, Tysons Corner, VA, Denton, MD

Project Designer: Worked to redesign and retrofit existing properties and buildings to meet new code use as a medical facility by creating ADA parking and upgrading utilities.



Thomas M. Miner, PE, CCM

Vice President

Role

Civil Engineer

Years of Experience

Total: 15

With Firm: 5

Education

B.S., Civil Engineering, University of Delaware, 2009

Active Registrations

Maryland Professional Engineer

[REDACTED] DE # [REDACTED] PA # [REDACTED]

DC # [REDACTED] NC # [REDACTED] NJ

[REDACTED] WV # [REDACTED]

Memberships

Society of American Military Engineers,
Chesapeake Post – Member

American Society of Civil Engineers,
Maryland - Member

Maryland Building Industry Association
- Member

NAIOP Maryland - Member

Mr. Miner has nearly 16 years of professional engineering and construction administration experience in positions of increasing responsibility from planning studies, engineering design development, and construction administration. He has led design and managed projects up to \$30M. A driven problem solver with a focus on maximizing site capabilities and value engineering, he has hands-on construction experience and site permitting knowledge. His experience includes public and private clients for site, utility, and highway development.

Experience

VA Perry Point Veteran's Village | Perry Point, MD

Project Manager: Prepared remedial area maps for pre-identified properties, prepared erosion & sediment control plans and submitted required permits, prepared full construction specs in accordance with the Veteran's Standards, and applied for a stormwater management waiver for the third phase of the housing project at Perry Point's Veteran's Village, which provides housing to displaced veterans adjacent to the VA Medical Center.

Riverwoods at Tollgate | Abingdon, MD

Project Manager: Lead civil engineering design efforts for a multi-family 120 unit rental complex and clubhouse with a mix of senior and affordable housing on an approximate 6.6 acre site. Assisted with the due diligence and a feasibility study that was followed by a field run topographic survey and a pre-construction HUD ALTA survey. The scope of work to create the design and plans included site design, stormwater management, landscaping, subdivision, grading, erosion and sediment control, and utilities.

US Naval Academy (USNA), Bancroft Hall Watershed Drainage System | Annapolis, MD

Project Engineer: While working at WBCM, the proposed structural engineer for this contract, Mr. Miner managed design team to provide bid documents for the USNA. Surface features included two new parking lots, six tennis courts, and reconstruction of Brownson Road. Utility work comprised of two pump houses, four pump stations, numerous utility relocations, and a multi-million-gallon underground water storage system intended to eliminate the Academy's tidal storm drain flooding regularly because of relative sea level rise. Project was performed under a NAVFAC contract.

Naval Facilities Command | United States Naval Academy, MD

Project Manager: Lead Engineer – Led a design team and multiple subconsultants to provide the flood controls and environmental credits for the Academy. The project entailed underground cisterns and multiple pumps stations with systems ranging from 3HP-450HP primarily below sea level. Services included bathymetric surveys, topographic and utility survey, pump station design, hydraulic modeling, erosion and sediment control, site grading, and sub consultant management of architects, mechanical, structural, and geotechnical engineers.

Homes at Fountain Green | Bel Air, MD

Project Manager: Led civil/site design for a 72-unit garden apartment complex spanning three buildings and amenities such as a dog park, community building, and perimeter-walking trail. The scope included development and concept plan, public water/sewer plans, erosion and sediment control plans, stormwater management design, landscaping/recreation plans, an updated forest conservation verification and forest stand delineation, topographic and ALTA surveys, soil-boring plans for geotechnical analysis, and plat recording.





John V. Mettee, IV, Prof. LS

Senior Vice President / Director of Surveying

Role

Principal Surveyor

Years of Experience

Total: 23

With Firm: 23

Education

A.A., Land Surveying, Community

College of Baltimore County, 2010

Active Registrations

Maryland Professional Land Surveyor

[REDACTED]

Memberships

Maryland Society of Surveyors (MSS),

Chapter Chair President

National Society of Professional

Surveyors (NSPS), 2010

Mr. Mettee serves as the principal in charge of surveying for both field and office operations. His background includes field location and verification of utilities and roadways for commercial and residential sites. He has drafted, designed, engineered, computed, surveyed, and supervised innumerable projects for the firm. Survey experience includes boundary, topographic, cadastral, GPS, hydrographic, vertical, horizontal, and photo control. Mr. Mettee is also experienced doing metes and bounds plats, right-of-way plats, monumentation, mapping, stakeouts, and title research for easements and properties.

Experience

VA Perry Point Veteran's Village | Perryman, MD

Principal Surveyor: Directed crews to provide topographic and boundary services to aid in the rehabilitation of 44 existing historical homes located at the Veterans Administration Perry Point Medical Campus. This project is located within the Intensively Developed Area (IDA) of the Chesapeake Bay Critical Area. Services include ALTA/ ASCM, topographic and boundary surveys and utility location.

Riverwoods at Tollgate | Abingdon, MD

Principal Surveyor: Directed a field run topographic survey, a pre-construction HUD ALTA survey and currently providing construction stake out for a multi-family 120 unit rental complex and clubhouse with a mix of senior housing and affordable housing on an approximately 6.6 acre site in Abingdon, Maryland, adjacent to the Constant Friendship Business Park, currently providing construction stake out for the project.

Chesapeake Apartments | Elkton, MD

Principal Surveyor: Provided topographic survey to support the design to add a single two story apartment building and new community center building to CDA development, site improvements included consolidating dumpster areas, upgrading handicap access ramps and walks, adding parking for new buildings

Atlantic Broadband Morgantown, WV Civil Work | Morgantown, WV

Principal Surveyor: Provided Boundary Survey and Topographic Surveys in accordance with the West Virginia Minimum Standards of Practice for Boundary Surveys on NAD83(+version) horizontal datum NAVD88 vertical datum. Survey was completed for construction of the new Morgantown, WV Facility.

Caven Point Army Reserve Center | Jersey City, NJ

Project Surveyor: Provided topographic survey for design of an Organizational Maintenance Ship and a Military Equipment Park at existing reserve facility, design included stormwater management, grading and sewer plans..

ATC AVDT Design at Aberdeen Proving Ground | Edgewood, MD

Principal Surveyor: Responsible for overseeing a survey team to provide survey services for the design of a 20,000+, 4-building complex indoor test track and related facilities. Services include topographic services, asbuilt topographic of the stormwater management facilities, and underground utility location.



FREDERICK WARD ASSOCIATES

Ian T. Walters, P.E. / Principal



Role

Principal

Years of Experience

Total: Over 24 Years

Education

Master of Civil Engineering, Villanova University, 2012

Bachelor of Architectural Engineering, The Pennsylvania State University, 1997

Active Registrations

Registered Professional Engineer: Pennsylvania and Maryland

Ian Walters has over 24 years of structural engineering experience. As Principal of the firm and Senior Structural Engineer, Mr. Walters is responsible for the project management and structural engineering services for a number of project types. He is involved with a project from the conceptual design stage through construction documentation, construction administration services, report writing, specification editing, and shop drawing review.

Mr. Walters' projects include both new and renovations/additions for educational, health care, commercial, industrial, and retail facilities. His design experience includes masonry, wood, steel, precast, and cast-in-place concrete structures.

Mr. Walters' demonstrated commitment to the goals of the architect and client alike, his experience in meeting crucial deadlines as well as his ability to effectively motivate and lead his staff make him a valued asset of the design team. As a result, he assumed the role of assistant branch manager in 2019.

Experience

Abingdon Medical Center, Abingdon, MD
Box Hill Medical Building, Abingdon, MD
Cedarbrook-Allentown Nursing Home, Allentown, PA
Center Crest Care, Bellefonte, PA
Children's Hospital of Philadelphia
Abramson Pediatric Research Center, Philadelphia, PA
Cornwall Manor Health Center, Cornwall, PA
Daikon Buffalo Valley Lutheran Village, Lewisburg, PA
Daikon Luther Crest Community Center, Allentown, PA
Fahrney Keedy Independent Senior Living, Boonsboro, MD
Homestead Village - Clubhouse, Lancaster, PA
Johns Hopkins Applied Physics, Laboratory Modulars, Laurel, MD
Lancaster Regional Medical Center, Lancaster, PA
Lancaster Rehabilitation Hospital, Lancaster, PA
Luther Acres, Lititz, PA
Luther Acres - Muhlenberg Townhome
Assisted and Independent Living Facility, Lititz, PA
Manalapan Assisted Living, Manalapan, NJ
Penn Medicine - Lancaster General Hospital, Multiple Projects, Lancaster, PA
Penn State Health - Milton Hershey, Hershey, PA
Penn State Health - St. Joseph Medical, Center (Multiple Projects), Lancaster, PA and Reading, PA
Philadelphia Protestant Home, Dining Room Addition, Philadelphia, PA
Quality Health Services (QHS), Waterside Village at Easton, Easton, MD
Riverside Doctor's Hospital, Williamsburg, VA
Wellspan Chambersburg Hospital, Additions / Renovations (Multiple Projects), Chambersburg, PA





Lawrence R. Baker, Jr. P.E. / Principal

Mr. Baker has over 46 years of structural engineering experience and is a founding principal of Baker, Ingram & Associates. He is responsible for business development, project management, project engineering, and management of staff in the Lancaster, PA Branch Office. He provides extensive involvement in the design of educational facilities, healthcare and medical facilities, lifecare structures, office buildings, hotels and motels, churches, commercial buildings, and historic restoration projects.

Mr. Baker's extensive experience has enabled him to develop a thorough understanding of the issues related to the design of economical, practical, and efficient structural systems. His experience with buildings of all sizes and construction has provided him the ability to quickly identify signs of distress and other structural concerns in existing buildings.

Experience

Barclay Friends Personal Care, West Chester, PA
 Cedarbrook-Allentown Nursing Home, Allentown, PA
 Centre Care, Bellefonte, PA
 Cornwall Manor, Cornwall, PA
 Daikon Buffalo Valley Lutheran Village, Lewisburg, PA
 Eagleview Senior Housing, Uwchlan Township, PA
 Fairmount Homes, Ephrata, PA
 Highlands at Wyomissing, Wyomissing, PA
 Homestead Village - Senior Living, Lancaster
 Homewood at Martinsburg Retirement Ctr., Martinsburg, PA
 Long Crest Apartments, Lancaster, PA
 Manalapan Assisted Living Facility, Manalapan, NJ
 Masonic Homes, Elizabethtown, PA
 Meadow Ridge Assisted Living at Willow Valley, Willow Street, PA
 Monroe Village - Springpoint Retirement Community, Monroe Township, NJ
 Palmer Township Senior Living, Northampton County, PA
 Philadelphia Protestant Home Dining Room Addition, Philadelphia, PA
 Providence Park at Willow Valley, Willow Street, PA
 Club House, Harnish House
 Providence Park Senior Apartments
 Vista Apartments - Senior Living
 Schuylkill Westtown Village, Philadelphia, PA
 Silvercare Nursing & Rehabilitation, Woodlyn, PA
 Spring Run Apartments at Willow Valley, Willow Street, PA
 Stoneridge Retirement Community, Myerstown, PA
 The Hill at Whitemarsh - Hawk Ridge, Whitemarsh Twp, PA
 The Meadows II and III at Shannondell, Audubon, PA
 Wayne Gardens Senior Apartments, Waynesboro, PA
 Wheaton II Apartments at the, Lebanon Valley Brethren Home, Palmyra, PA.

Role

Principal

Years of Experience

Total: Over 46 Years

Education

Master of Civil Engineering, Villanova University, 1979

Bachelor of Architectural Engineering, The Pennsylvania State University, 1975

Active Registrations

Professional Engineer in Pennsylvania, California, Connecticut, Delaware, District of Columbia, Maryland, Michigan, Montana, New Jersey, New York, Ohio, Virginia, and West Virginia

Professional Memberships

AIA Central Pennsylvania Affiliate Member
 American Institute of Steel Construction
 National Society of Professional Engineers
 Pennsylvania Society of Professional Engineers
 Delaware Association of Professional Engineers





Craig M. Perks, PE, CPD, LEED AP BD+C

Senior Mechanical Engineer

Craig is a mechanical engineer whose experience includes higher education, healthcare, government, and building infrastructure/central plant projects. He specializes in high technology designs for commercial kitchens, laboratories, clean rooms, compounding pharmacies, surgical suites and sterile processing departments. Prior to joining BKM, he worked for Erickson Retirement Communities where he performed design reviews, defined owner project requirements, and oversaw new construction and renovation projects at the various communities located around the country. He draws from this experience to provide engineering designs that not only perform to the client's expectations, but also are easy to operate and maintain for years to come.

Experience

Role

Years of Experience

Total: 15

With Firm: 11

Education

University of Maryland Baltimore County,
Bachelor of Science, Mechanical Engineer-
ing,
2008

Active Registrations

PE: MD (# [REDACTED])

Atlee Hill Skilled Nursing Facility, Carroll Hospital Center | Westminster, MD

Mechanical Engineer: BKM provided MEP design services for a new facility to relocate up to 60 beds of long term skilled nursing to campus of Carroll Hospital as a freestanding structure. The building includes two 25 bed patient bed wings (total of 50 beds), one of which is equipped for respiratory care with a central nurse's station. The building also includes management offices, a commercial kitchen, a commercial laundry, and infrastructure planning to add an additional 20 beds to the second floor. Other engineering services provided include the design of a fire pump, a diesel generator, and specification of a bulk oxygen storage system. // Role: Mechanical Engineer, Size: 45,000 SF

Green House at Stadium Place | Gedco, Baltimore, MD

Mechanical Engineer: BKM provided MEP services for the renovation of this aging medical building for the VA of Perry Point, MD. Renovation included the construction of a new medical nursing ward, containing intensive care units and patient rooms. New office spaces were provided on the second floor. The building is fed from the campus 4,160-volt primary loop. Specifically, work included the replacement of the building's entire electrical infrastructure. // Role: Mechanical Engineer, Cost: \$6.1 M, Size: 30,400 SF

Community Living Center Renovation, Veterans Affairs Medical Center |
Wilmington, Wilmington, DE

Electrical Engineer: BKM provided MEP design services for the renovations to the 36,000-square-foot (30 patient room) facility which consisted of upgrades and modernization of all of the interior finishes. The design of new lighting, air devices, medical gas systems, nurse call, life safety, and normal power systems were included. The design provided for a phased construction process allowing partial occupancy of the facility throughout the construction. // Role: Electrical Engineer, Cost: \$1.5 M

IHVI Patient Unit Renovation 1st, Inova Health System | Fairfax, VA

Mechanical Engineer: BKM was selected to provide engineering services to convert two floors, totaling 48 beds, to have private rooms. This required modifying 24 beds from single patient intermediate care units to single patient critical care units and another 24 beds of critical care units from shared toilet rooms to private toilet rooms. The design required modifications to the sanitary risers, patient bed headwalls, and room hand wash stations. In addition, renovations to the nurses station were made to accommodate a new patient management system. Renovations to the core areas to renew the lighting systems and adjust air balances were also incorporated into the project. // Role: Lead Mechanical Engineer, Size: 30,000 SF City of Macclenny Fire Station One | Macclenny, FL





Richard A. Miller, PE, LEED AP Principal

With over three decades of experience, Rick manages staff and projects and implements engineering team design goals. His design background is comprised primarily of projects with educational, medical, infrastructure, and government market sectors. Rick's experience with complex power systems comes from two decades of on various building projects that included lighting, power, uninterruptible power, emergency, and communication systems replacements. Rick's special systems experience includes the design of fire alarm (hard-wired and radio types), public address, nurse call, access control, and CCTV. Rick brings an array of project experience in medical settings for VAMC locations in the Mid-Atlantic region.

Experience

VA Loch Raven Community Living Center | Loch Raven, MD

Electrical Engineer: BKM provided MEP design services for an addition to the Loch Raven Community Living Center. The spaces included activity rooms, recreational therapy, media center, physical therapy, occupational therapy, ADL training, and treatment rooms. The therapy addition provided much needed space for activities necessary to those recovering residents of the Loch Raven Community Living Center. Modifications were made to the existing building's central systems (heating water, chilled water, and electrical). These services were expanded to support the requirements of the new facility. // Role: Electrical QA/QC Engineer, Cost: \$6 M, Size: 25,400 SF

Community Living Center Replacement, Veterans Affairs Medical Center | Perry Point, Perry Point, MD

Electrical Engineer: BKM provided MEP design services for a new 155-bed community living center that includes a kitchen, dining rooms, lounges, offices, physical therapy rooms consisting of a hydro-therapy suite, pharmacy, and a convenience store on a waterfront site. The center is based on the new VA design guide for community living centers. The buildings are organized into individual "households" with 12 residents each in a homelike environment that encourages meaningful relationships among residents and staff. Common areas such as therapy, adult daycare, and other support functions are provided in each household to encourage resident interaction. The project includes a geothermal well field to provide a renewable source of heating/ cooling for the facility. // Role: Lead Electrical Engineer, Cost: \$66 M, Size: 160,000 SF

Community Living Center Renovation, Veterans Affairs Medical Center | Wilmington, Wilmington, DE

Electrical Engineer: BKM provided MEP design services for the renovations to the 36,000-square-foot (30 patient room) facility which consisted of upgrades and modernization of all of the interior finishes. The design of new lighting, air devices, medical gas systems, nurse call, life safety, and normal power systems were included. The design provided for a phased construction process allowing partial occupancy of the facility throughout the construction. // Role: Electrical Engineer, Cost: \$1.5 M.

Expand Hospice Unit, Veteran Affairs Medical Center | Loch Raven, Loch Raven, MD

Electrical Engineer: BKM provided MEP design services for the 21,000 SF addition to the existing Research Building. Mechanical design considerations included VAV air handlers serving office spaces, nurses areas, lounge/solarium spaces, and 14 patient bedrooms designed in accordance with the VA HVAC Design Manual. Air handlers include DX cooling, hot water heating, humidification, economizer operation, energy recovery, and BACnet compatible controls. The existing heating plant was designed to include an additional 1,000 MBH dualfuel boiler and upgraded heating water pumps. The project is currently working towards the 90% submission. // Role: Electrical QA/QC Engineer, Cost: \$14 M, Size: 21,000 SF

Role

Years of Experience

Total: 31

With Firm: 16

Education

Johns Hopkins University, Bachelor of Science,

Electrical Engineering, 1985

Active Registrations

PE: MD (# [REDACTED]) DC, OH, PA, VA, DE, WV

bkm



Lloyd Bernstein, President

Cost Consultant

Role
Chief Estimator

Years of Experience
Total: 35
With Firm: 12

Education
Montgomery College, AA Degree,
Engineering: 1969

Polytechnic of the Southbank of London/
Brixton School of Building: Higher
National Diploma in Civil/Structural
Engineering 1970- 1973

Lloyd Bernstein has over 45+ years' experience in the construction industry. For 25 years President and CEO of a Maryland based construction firm specializing in Commercial Contracting, Construction Management, Preconstruction Services and Cost Consulting. Mr. Bernstein has established a long credible history of success in cost consulting in the national arena with individual projects over \$1.0 billion. Mr. Bernstein uses cutting edge, digitized computer aided methodology and historical data bases to provide accurate and detailed cost estimates at each stage of the project design. Project types are: Public, Private, Healthcare, Senior Housing, Educational, Religious, Commercial and Retail.

Experience

Johns Hopkins Hospital | Baltimore, Maryland
Cost Consultant, working closely with Howard Reel, responsible for preparing estimates for the CON Submission for the construction of a new 1.7 million sf building, multi-story (Two Healthcare Towers) Project Value: \$ 1,000,000,000.00

Hollidaysburg Veterans Home | Hollidaysburg, Pennsylvania
Cost Consultant to the design team for preparing estimate at Design Development for a new 200 bed VA. Senior housing facility. (169000 sf) Project Value: \$ 75,000,000.00

Liberty Healthy Life Community | Liberty, Missouri
Cost Consultant to the design team for preparing estimates during the design process for phase 1 of a new senior living community. Project Value: \$ 68,000,000.00

Mercy Ridge Continual Care Retirement Community | Baltimore, Maryland
Cost Consultant to the design team for preparing estimates during design for the new continual Care Retirement Community. Project Value: \$ 55,000,000.00

Stella Maris Rehab Addition | Baltimore, Maryland
Cost Consultant to the design team for preparing estimates during design for the new Rehab Wing to the Nursing Facility. (76000 sf) Project Value: \$ 24,000,000.00

Christ Church Harbor Apartments | Baltimore, Maryland
Cost Consultant to the design team for preparing estimates during design for the 1st floor and lobby renovations. Project Value: \$ 3,400,000.00





Charles "Chuck" Shaw

Vice President of Engineering - Regional

Role

Years of Experience

Total: 22

Education

A.A., Science, Florida Technical College,
1995

Active Registrations

Professional Engineer, Maryland, No. [REDACTED]

Professional Engineer Delaware, No. [REDACTED]

Charles Shaw is the Vice President of Engineering overseeing projects throughout Maryland and Pennsylvania. With 22 years of experience, Chuck is well qualified to work with team managers, oversee product quality, and implement designs in accordance with mulá group's goals. His responsibility to maintain a budget and monitor the health of the Maryland branch demonstrates his education and skills in areas such as leadership, problem solving, accounting, and technical management. Shaw's expertise include an aptitude in overseeing geotechnical engineering projects, drilling services, and materials testing and special inspection services for commercial, healthcare, municipal, education, restaurant + retail, lifestyle, senior living, and industrial development projects across the mid-Atlantic region. His day to day responsibilities also include client account management and business development. Chuck received his Master of Civil Engineering Degree from the University of Delaware in 2008.

Experience

Site improvements to New Apartment Building | Baltimore County, Maryland
Project Manager: Mr. Shaw served as Project Manager for the construction of eight apartment buildings and a clubhouse building, along with various additional improvements. His responsibilities included the oversight of on-site observation and testing services, meeting attendance, and providing recommendations for geotechnical issues.

*work conducted at a previous firm

Phase II Site Assessment – Calvert Regional Park | Cecil County, Maryland
Project Manager: As Project Manager, Mr. Shaw supervised the on-site observation and testing services for three athletic fields, parking areas, and other associated site improvements. Shaw also had the responsibility of attending meetings through construction operations and providing geotechnical recommendations on site.

*work conducted at a previous firm

Road Bridge Replacement | Cecil County, Maryland
Project Manager: Mr. Shaw managed the construction materials testing services and culvert foundations for the bridge replacement on Razor Strap Road. He monitored the testing and backfill around the replacement bridge and culvert along with the utility trench backfill. Shaw also oversaw the placement of the graded aggregate base for the road widening and the placement of the bituminous concrete courses for Phase I.

*work conducted at a previous firm

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Scott A. Summers

Chief Operating Officer

Role
Chief Operating Officer

Years of Experience
Total: 25

Education
Bachelor of Science, Geology
Kutztown University of Pennsylvania, 1996
Master of Business Administration
Penn State University, 2013

Active Registrations
Professional Geologist, Pennsylvania, No. [REDACTED]
Professional Geologist, Delaware, No. [REDACTED]

Areas of Certifications:
Certified EPA AHERA (Asbestos) Inspector,
Pennsylvania
OSHA 40-Hour Hazwoper & Refreshers
Certification in Mold Assessment & Remediation

Scott Summers is the Chief Operating Officer overseeing the Engineering services division of mulá group. Scott is a licensed professional geologist with over 25 years of a combination of technical preparation of product deliverables, senior technical review, and operations and client account management. His extensive years in the profession have given him the skillset to assess, strategize, and manage impacted sites across the United States. Scott has participated and/or served as the Principal Professional in charge of numerous geotechnical assessments and construction-phase materials testing and inspections projects throughout the eastern United States. Projects have ranged from shallow to deep foundation design and construction oversight, earthen embankments and retaining wall design, tunneling projects, utility installations, stormwater management studies and facility construction oversight, structural slabs and slabs-on-grade, below-grade construction including parking garages, slurry wall installation and sheet-piling/shoring projects, sinkhole and Karst investigations and mitigation studies.

Experience

Hanover Public Library | Hanover, York County, PA
Geotechnical engineer responsible for the construction-phase observations and inspections during this project which included a three-foot thick mat foundation. Concrete placement was monitored and tested over a continuous 24-hour timeframe.

13-Story Office Building |Chesapeake Beach, Maryland
Senior Project Manager responsible for the geotechnical exploration and engineering design/analysis for a proposed 13-story office building along the waterfront. Design recommendations provided and eventual construction oversight for deep foundations (pre-cast piles and auger-cast piles).

Peoples Bank Park (York Revolution Independent Baseball Stadium) | City of York, PA
Principal professional and client/contract manager for geotechnical design and construction-phase QA/QC of this professional baseball stadium build in downtown York, PA. The foundation design included various forms of soils exchange and subgrade modification measures to allow for construction using shallow foundations.

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Charles "Chug" Bassett

Vice President of Engineering - National

Charles "Chug" Bassett has over 20 years of experience in geotechnical consulting, geostructural design and geotechnical/construction material testing and inspection. His experiences include, but is not limited to: overseeing and managing geotechnical investigation programs, and managing construction phase testing and inspections for site development projects. He is also well versed in preparing design plans and specifications for retaining wall structures, foundation underpinning and on-site wastewater treatment and disposal systems. Chug received his Masters in Civil Engineering from the Rensselaer Polytechnic Institute in 2000. His status as Vice President of Engineering for mulá group's national clients accentuates his expertise as an engineer.

Chug's flexibility to work in any location he is licensed in makes him a great asset to any project team. With a Professional Engineer license in 33 states across the Nation, Chug has developed strong relationships with subconsultants in several states and become exceptionally well educated on the topography of many different regions.

Professional Engineer, Utah, No. 116826812202, 2020
Professional Engineer, Virginia, No. 402062678, 2020
Professional Engineer, Washington, No. 21017050, 2021
Professional Engineer, West Virginia, No. 24318, 2020
Professional Engineer, Alabama, No. 32947-E, 2012
Professional Engineer, Arizona, No. 58382, 2014
Professional Engineer, Arkansas, No. 15601, 2013
Professional Engineer, Colorado, No. 0057210, 2020
Professional Engineer, Connecticut, No. 0035118, 2021
Professional Engineer, Delaware, No. 17867, 2011
Professional Engineer, Florida, No. 74966, 2012
Professional Engineer, Georgia, No. 45083, 2019
Professional Engineer, Idaho, No. P-20384, 2021
Professional Engineer, Iowa, No. P26285, 2020
Professional Engineer, Kentucky, No. 36564, 2021
Professional Engineer, Kansas, No. 28719, 2021
Professional Engineer, Louisiana, No. 36707, 2011
Professional Engineer, Maryland, No. 0040969, 2011
Professional Engineer, Massachusetts, No. 55977, 2020
Professional Engineer, Michigan, No. 97583PE, 2021
Professional Engineer, Mississippi, No. 20855, 2012
Professional Engineer, Missouri, No. 2021014174, 2021
Professional Engineer, Nevada, No. 29147, 2021
Professional Engineer, New Jersey, No. 24GE05043700, 2013
Professional Engineer, New York, No. 090486, 2012
Professional Engineer, North Carolina, No. 51264, 2020
Professional Engineer, Ohio, No. 85386, 2020
Professional Engineer, Oregon, No. 97583PE, 2021
Professional Engineer, Pennsylvania, No. PE076406, 2009
Professional Engineer, Rhode Island, No. PE0013950, 2021
Professional Engineer, South Carolina, No. 38381, 2020
Professional Engineer, Tennessee, No. 124430, 2020
Professional Engineer, Texas, No. 113997, 2013

Role

Years of Experience

Total: 22

Education

B.S./Civil Engineering, Rensselaer Polytechnic Institute, 1999

M.S./Civil Engineering, Rensselaer Polytechnic Institute, 2000

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US VA Perry Point Veterans Village | Perry Point, MD

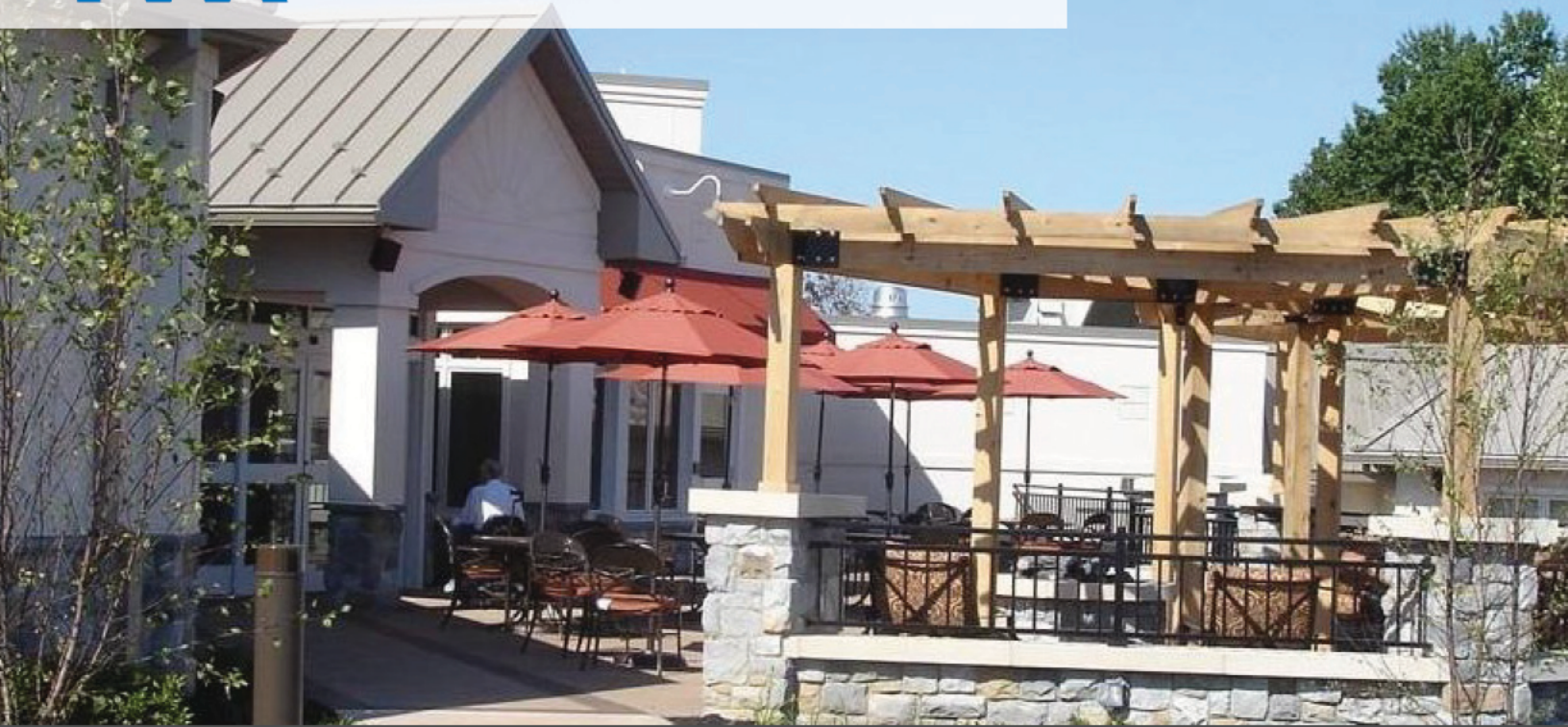
Frederick Ward Associates provided the complete site design of the rehabilitation of 75 existing historical homes located at the Veterans Administration Perry Point Medical Campus. This project is located within the Intensively Develop Area (IDA) of the Chesapeake Bay Critical Area. A four-acre solar field was designed as support for the job to provide net zero energy to the residents. Services include construction administration, ALTA/ ASCM, topographic and boundary surveys, utility location, roadway improvement plans, site grading, erosion and sediment control, critical area report and computations, soil remediation, stormwater management, landscape design and engineering. All plans were submitted and approved by the Maryland Department of the Environment as well as the State Critical Area Commission.



Upper Chesapeake Medical Center | Bel Air, MD

Frederick Ward Associates provided engineering design services to create the Upper Chesapeake Medical Center Campus Master Plan located in Bel Air, Maryland. The campus includes a 120-bed replacement hospital on a 25-Acre site with full design of the water main and resources, a 36,000 SF medical office building, 132,000 SF Ambulatory Care Center, 16,000 SF Central Plant, 236,000 SF Inpatient Care Facility, 40,400 SF Expansion in 2007, Parking Garage, Cancer Center and Lot M which included 500 parking spaces, set to be complete in 2019. Full scope of services provided include:

- Prime Local Representative for Site Selection, Consulting and Testing during the Certificate of Need
- Process, as well as Final Site Engineering
- Civil/Site Engineering including Site Layout
- Landscape Architecture
- Environmental Services including Permitting, Forest Stand Delineation, Forest Conservation Plan, Reforestation, Wetland Delineation, Phase I Mitigation Plan, Preliminary Stream Restoration Analysis, Phase I ESA
- Geotechnical Review of Subsurface/Soil Conditions
- Topographic, Boundary and Construction Stakeout Surveys
- SHA Roadway Improvements on Rte 24 and an Additional Thru Lane and Turn Lanes at New Entrance



Luther Acres - Hershey Wing Expansion/Renovation | Lititz, PA



Client

Luther Care of Pennsylvania
Brian Brooks
(717) 626-1171

Construction Cost

\$12M

Square Footage

21, 638 SF

Completion Date

December 2011



FREDERICK WARD ASSOCIATES



St. Johns Herr Estate Assisted Living Renovation | Columbia, PA



Client

Luther Care of Pennsylvania
Brian Brooks
(717) 626-1171

Construction Cost

\$12M

Square Footage

20K SF

Completion Date

April 2013



North Florida Retirement Village Commons Renovation | Gainesville, FL



Client
North Florida Retirement Village
Sharon Breitingner
(352) 337-8686

Construction Cost
\$1,640,508

Square Footage
16,800 SF

Completion Date
September 2020



Meadow Ridge Assisted Living at Willow Valley | Willow St. PA





Community Living Center Replacement | Perry Point, MD

BKM provided MEP design services for a new 155-bed community living center that includes a kitchen, dining rooms, lounges, offices, physical therapy rooms consisting of a hydro-therapy suite, pharmacy, and a convenience store on a waterfront site.

The project includes resident-centered care principles outlined in VA's long-term care delivery model and provides veterans with nursing-home care in the context of a care community centered on resident's needs. The center is based on the new VA design guide for community living centers. The guide incorporates greenhouse and small house concepts, as well as planetree concepts, to provide a more welcoming environment for the residents.

The buildings are organized into individual "households" with 12 residents each in a homelike environment that encourages meaningful relationships among residents and staff. Common areas such as therapy, adult daycare, and other support functions are provided in each household to encourage resident interaction. The project includes a geothermal well field to provide a renewable source of heating/cooling for the facility.



Relevant Experience

Hollidaysburg Veterans Home | Hollidaysburg, Pennsylvania

Cost Consultant to the design team for preparing estimate at Design Development for a new 200 bed VA. Senior housing facility. (169000 sf) with a project budget of \$75 Million.

Liberty Healthy Life Community | Liberty, MO

Cost Consultant to the design team for preparing estimates during the design process for phase 1 of a new senior living community. Project budget of \$68 Million.

Mercy Ridge Continual Care Retirement Community | Baltimore, MD

Cost Consultant to the design team for preparing estimates during design for the new continual Care Retirement Community. Project budget of \$55 Million.

The Johns Hopkins Hospital | Baltimore, MD

Prepared estimate to JHH for the Shei Zayed Tower to prepare the Certificate of Need-1.7 m sf. Project budget of \$1 Billion.

Health Sciences Building III | Baltimore, MD

Prepare estimate for State of Maryland Funding for University of Maryland School of Medicine. Project budget \$200 Million.

Master Planning for 17 Campus State Hospital Facilities | State of Maryland

Provide Cost Estimates for a Master Planning Report for 17 State Health Facilities. Project budget \$1 Billion.

Rehab Addition | Baltimore, MD

Cost Consultant to the design team for preparing estimates during design for the new Rehab Wing to the Nursing Facility for Stella Maris (76000 sf). Project budget of \$24 Million.

Renovation of Calvert Pines Senior Center | Prince Frederick, MD

Cost Consultant to the design team for preparing estimates for the renovation of the Senior Center for Calvery County. Project budget of \$4 Million.

Healthy Life Center | Liberty, MO

Provide Cost Estimating Services to the Design Team during the Design Process for Libert Health System. Project budget of \$16.5 Million.

Relevant Experience

Veterinary Clinic

Lot 7E of Gateway Development, City of Westover, Mongolia County, WV

mulá group performed subsurface exploration and geotechnical engineering services for the proposed Veterinary Clinic in Monongalia County, West Virginia. The project consisted of the construction of an approximately 6,000 square foot, single story building constructed with associated pavements and additional site improvements at the project site. mulá group was responsible for providing recommendations related to appropriate foundation support methods, general earthwork activities, and recommendations pertaining to the geotechnical aspects for this project site.

Pavement Replacement

882 TJ Jackson Drive, Falling Waters, WV

mulá group performed geotechnical engineering services for the proposed pavement replacement at 882 TJ Jackson Drive in Falling Waters, West Virginia. This project consisted of the design of proposed pavement reconstruction and additional site improvements to the project site. mulá group made recommendations for pavement sections based on assumed subsurface conditions and design parameters, general earthwork activities, and recommendations pertaining to the geotechnical aspects for the project site.

Wyomissing Tower

Southeast of Oley Street and Greenwich Street intersection in Wyomissing Borough, Berks County, PA

mulá group performed subsurface exploration and geotechnical engineering services for the Wyomissing Tower project. The project is situated north of Van Reed Road and southeast of the intersection of Oley Street and Greenwich Street in the Wyomissing Borough of Berks County, Pennsylvania. The project will consist of the construction of a multi-family residential building which is planned to be constructed with associate site improvements at the project site. The residential building will be located in the western and central portions of the project site and will have two (2) levels of parking below six (6) floors of apartments. In addition, two (2) retaining walls are planned to be constructed within the project site. One (1) retaining wall is planned to be constructed northeast and east of the proposed building. The retaining wall is planned to be approximately 450 feet in length. The other retaining wall is planned to be constructed south of the proposed building along Van Reed Road. The retaining wall is planned to be approximately 360 feet in length. mulá group provided recommendations related to appropriate foundation support method and general earthwork activities, and lateral earth pressure recommendations for the proposed retaining walls for this project site.

References – FWA

- 1) Sharon Breitingner, Director
Design & Construction Services
AvMed Corporate Office
Gainesville, FL
352-337-8686

- 2) David Cleghom, Sr. VP of Real Estate Development
Help USA
115 East 13th St.
New York NY
212-400-8228
Re: VA Perry Point Cottages

- 3) Tommy Mooneyham, VP Property Management Genesis Healthcare
TELS Direct Supply
161 Bakers Ridge Road
Morgantown, WV 26508
540-290-0119

References – Baker, Ingram and Associates

- 1) Jerry D. Lile, President/CEO
Fairmount Homes Retirement Community
333 Wheat Ridge Drive
Ephrata, PA 17522-8558
717-820-1079
Re: Fairmount Homes Retirement Community
- 2) William Koch, Jr., P.E, Project Manager
CCS Building Group
100 Willow Valley Lakes Drive
Willow Street, PA 17584
717-464-2741
bkochjr@ccsbuidls.com
Re: The Glen at Willow Valley
- 3) DJ Risk, President
Paul Risk Construction
11 West State Street
Quarryville, PA 17566
717-786-7308
djrisk@paulrisk.com
Re: Shannondell Continuous Care Retirement Community



References – bkm

- 1) Marc Dallaire
Veterans Affairs Medical Center
59 Ave D, Perry Point, MD 21902
Marc.Dallaire@va.gov
(410) 642-2411 ; Ext 5215

- 2) Maurice Spielman
Carroll Hospital Center
200 Memorial Ave
Westminster, MD 21157
maurices@carrollhospitalcenter.org
(410) 871-6761

- 3) Barry Miller
Maryland Department of General Services
Eldersburg, MD
barryl.miller@maryland.gov
410-404-7113

bkm

References – CostCon Construction Services, Inc.

- 1) Bradley Chambers, President: Union Memorial Hospital and Good Samaritan Hospitals
Baltimore, Maryland
410-5542260
Bradley.Chambers@MedStar.net

- 2) Ed Masek, President: WGM Architects
Annapolis, Maryland
410-263-6787
EMasek@wgm-arch.comDavid

- 3) Joseph Welkie, Owner: Bayview Enterprise
Baltimore, Maryland
410-3719449
bayviewenterprises@msn.com



References – Mula Group

- 1) Christian Brothers Automotive
Derrick Rodgers, Director of Construction
281.675.6158
derrick.rodgers@cbac.com
- 2) Cool Breeze Consultants LLC
Graham Moore, PE
832.349.4018
graham@coolbreezeconsultants.com
- 3) Earth Science LLC
Sean Rakshani, Principal
949.278.0897
seanr@ea-science.com
- 4) Richardson Engineering LLC
Steve Eichler, Project Manager
410.560.1502 x8
seichler@richardsonengineering.net
- 5) RV Retailer LLC
John Buono, Vice President, Real Estate and Construction
281.574.2772
jbuono@rvretailer.net



Licensed, Professional Architects Who Will Direct Work Under This Contract

Barry Miller, AIA is Frederick Ward Associate's Director of Architect and will act as Principal-in-Charge and direct all work under this contract.

Maryland
DEPARTMENT OF LABOR

LICENSE * REGISTRATION * CERTIFICATION * PERMIT
STATE OF MARYLAND
MARYLAND DEPARTMENT OF LABOR

Lawrence J. Hogan, Jr.
Governor
Boyd K. Rutherford
Lt. Governor
Tiffany P. Robinson
Secretary

STATE BOARD OF ARCHITECTS
CERTIFIES THAT:
BARRY ALAN MILLER

IS AN AUTHORIZED: 04 - ARCHITECT

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
[REDACTED]	02-14-2023	N/A	[REDACTED]

Signature of Bearer: [Signature]
Secretary: Tiffany P. Robinson

Maryland
DEPARTMENT OF LABOR

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STATE OF MARYLAND
MARYLAND DEPARTMENT OF LABOR

Lawrence J. Hogan, Jr.
Governor
Boyd K. Rutherford
Lt. Governor
Tiffany P. Robinson
Secretary

STATE BOARD OF ARCHITECTS
CERTIFIES THAT:
WILLIAM STARR

IS AN AUTHORIZED: 04 - ARCHITECT

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
[REDACTED]	10-20-2023	N/A	[REDACTED]

Signature of Bearer: [Signature]
Secretary: Tiffany P. Robinson

Maryland
DEPARTMENT OF LABOR

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STATE OF MARYLAND
MARYLAND DEPARTMENT OF LABOR

Lawrence J. Hogan, Jr.
Governor
Boyd K. Rutherford
Lt. Governor
Tiffany P. Robinson
Secretary

STATE BOARD FOR PROFESSIONAL ENGINEERS
CERTIFIES THAT:
THOMAS M MINER

IS AN AUTHORIZED: 05 - PROFESSIONAL ENGINEER

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
[REDACTED]	06-10-2023	N/A	[REDACTED]

Signature of Bearer: [Signature]
Secretary: Tiffany P. Robinson

Maryland
DEPARTMENT OF LABOR

LICENSE * REGISTRATION * CERTIFICATION * PERMIT
STATE OF MARYLAND
MARYLAND DEPARTMENT OF LABOR

Lawrence J. Hogan, Jr.
Governor
Boyd K. Rutherford
Lt. Governor
Tiffany P. Robinson
Secretary

BOARD FOR PROFESSIONAL LAND SURVEYORS
CERTIFIES THAT:
JOHN VERNON METTEE IV

IS AN AUTHORIZED: 08 - PROFESSIONAL LAND SURVEYOR

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
[REDACTED]	12-21-2023	N/A	[REDACTED]

Signature of Bearer: [Signature]
Secretary: Tiffany P. Robinson

Maryland
DEPARTMENT OF LABOR

LICENSE * REGISTRATION * CERTIFICATION * PERMIT
STATE OF MARYLAND
MARYLAND DEPARTMENT OF LABOR

Lawrence J. Hogan, Jr.
Governor
Boyd K. Rutherford
Lt. Governor
Tiffany P. Robinson
Secretary

STATE BOARD OF EXAMINERS OF LANDSCAPE ARCHITECTS
CERTIFIES THAT:
KATELYNNE FAYE PIERCE

IS AN AUTHORIZED: 01 - LICENSED LANDSCAPE ARCHITECT

LIC/REG/CERT	EXPIRATION	EFFECTIVE	CONTROL NO
[REDACTED]	11-16-2023	N/A	[REDACTED]

Signature of Bearer: [Signature]
Secretary: Tiffany P. Robinson

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**FREDERICK WARD ASSOCIATES, INC.
5 S MAIN ST
BEL AIR, MD 21014-3702**

BUSINESS REGISTRATION ACCOUNT NUMBER: 2412-4207

This certificate is issued on: **09/07/2021**

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code.*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.
This certificate shall be permanent until cessation of the business for which the certificate of registration
was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new
certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of
this certificate displayed at every job site within West Virginia.

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