

04/14/20 10:39:22
WV Purchasing Division

**West Virginia Army National Guard
Construction and Facilities Management Office**



CEOI 0603 ADJ2000000006

**Building 215 Medical Wing Renovation
Camp Dawson**

 **McKINLEY**
ARCHITECTURE + ENGINEERING

in association with:



TERRADON

10 April 2020

Tara Lyle
Buyer Supervisor
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Dear Ms. Lyle and Members of the Selection Team,

McKinley Architecture and Engineering and TERRADON Corporation (McKinley/TERRADON Team) have teamed up again, and are pleased to provide the West Virginia Army National Guard, Construction and Facilities Management Office with our Expression of Interest to provide professional architectural/engineering design services to **renovate Building 215 Medical Wing** at Camp Dawson. As you review this submission, we emphasize the following strengths of the McKinley/TERRADON Team with respect to your project:

McKinley Architecture and Engineering (*McKinley & Associates*) is a **full service Architectural / Engineering** firm that has been providing design services since 1981. With offices in Wheeling and Charleston, WV and Pittsburgh, PA, we support a professional staff of **Architects, Engineers, Construction Administrators, LEED Accredited Professionals specializing in Building Design and Construction, a Qualified Commissioning Process Provider**, and more. We know innovative design and the newest technology, and we know **how and when to apply it effectively**. Not only have we won multiple **local and State awards and recognitions** for our designs, we have also won many **National awards and recognitions**.

With our previous experience on **hundreds of projects** which involve **renovations, upgrades, and repairs**, we have gained the knowledge and insight to evaluate these projects, which helps us anticipate unforeseen existing elements that may occur in a renovation project. This knowledge will help save you time and valuable resources because we have been successful with many similar projects. Our philosophy regarding this type of work requires an intimate knowledge of the building so we can determine how to most effectively use the existing resources. Early activity includes carefully mapping out the building and formulating a plan of action for repairs. This process targets the areas of greatest need and helps to control cost. We find this approach is often the most effective. It is with this experience that we are able to bring insight to the design of spaces that will retain long term value.

The firm has also completed many projects for **medical/health care facilities**, including several **renovations** of existing structures. We have completed over a dozen projects for six Veterans Affairs Medical Centers in both West Virginia and Pennsylvania as well as numerous local and regional health care providers. From planning and implementing feasibility studies, to specialty HVAC systems, to **floor plan reconfigurations** and much more, our team has the ability to handle your project.

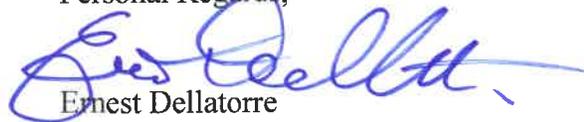
McKinley Architecture and Engineering is on the **forefront of innovative design**. We have designed LEED Certified and LEED Registered projects. Not only have we won multiple State and local awards and recognitions for our designs, we have also won many National awards and recognitions.

TERRADON Corporation will be utilized for all **utility and road infrastructure**. They offer a multi-faceted approach to design engineering and consulting services. Since 1989, TERRADON staff have provided a wealth of engineering solutions blanketing West Virginia with successful projects. The **second-generation, family-owned business** built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today. Their service departments work cohesively to provide turn-key solutions that strive to exceed client expectations.

The TERRADON staff includes **engineers, landscape architects, surveyors, planners, environmental scientists, designers, technicians and LEED Accredited Professionals**. TERRADON offers **professional engineering services for civil/site; land development; transportation; energy** including permitting, inspection and design; **environmental** including brownfields, testing and analysis; field services; **utilities; geotechnical** analysis, and much more. TERRADON Corporation maintains leading-edge staff in three locations: Nitro/Poca, WV; Lewisburg, WV; and Fayetteville, WV. TERRADON is a **certified Women's Business Enterprise** as defined by the Women's Business Enterprise National Council and is the largest woman-owned engineering firm in West Virginia.

In closing, we love what we do, so we care about the results you get. We are ready to begin **immediately** and will **meet all your Project Goals and Objectives**. Thank you for reviewing our submission and considering the McKinley/TERRADON Team for your project.

Personal Regards,



Ernest Dellatorre

President

McKinley Architecture and Engineering

(304) 233-0140 x115

EDellatorre@McKinleyDelivers.com



For your convenience, we have ordered and answered our Expression of Interest by following your criteria listed in "SECTION THREE: PROJECT SPECIFICATIONS - Part 3. Qualifications and Experience."

"Vendors should provide information regarding its employees, such as staff qualifications and experience in completing similar projects ..."

For overall capabilities to perform this work; first and foremost, the McKinley/TERRADON Team can state that our design team and large professional staffs will devote the time necessary to provide the West Virginia Army National Guard with another successful project. The McKinley/TERRADON Teams' portfolios include multiple relevant projects; examples of which you will see later in our proposal.

Together, our Team will handle all of the goals and objectives of your project, including architectural and engineering services, drawings, specifications, fully renovating the medical wing of Building 215 on Camp Dawson to support elements of the West Virginia Army National Guard Command, designing a new floor plan to better accommodate the medical section's needs, a new and more efficient heating and cooling system, complete restroom renovations, a new on demand hot water system, new interior doors, new interior LED lighting for the medical section, a new fire alarm system, electric and data, researching and investigating the location of existing underground and above ground utilities, road infrastructure, cost estimates, energy savings, construction bid services, and more.

McKinley Architecture and Engineering was founded on July 1, 1981. We are a multi-discipline full service Architecture & Engineering firm, offering comprehensive in-house professional services in Architecture, Engineering, HVAC Commissioning, Sustainable and Energy Efficient (LEED) Design, Construction Administration, and more. We believe our strength lies in the quality of the people we employ. Our seasoned staff has an unsurpassed knowledge of the business and the dedication it takes to make each project a success. As a 39 year old firm, we also take pride in the individual stability of the workforce. Our Director of Engineering Services, Tim E. Mizer, PE, RA, QCxP, who is an Architectural Engineer, an Architect, and a Qualified Commissioning Process Provider, has been at McKinley Architecture and Engineering since 1995.

TERRADON's diverse team of 95 professionals work together on projects to offer a wide range of services in house to keep project centrally focused. By providing this range of services, TERRADON is able to work completely as a team to offer clients the most rewarding design. TERRADON is the largest, woman-owned engineering firm in West Virginia. TERRADON maintains professionally registered engineers, landscape architects, and surveyors as well as a competitive team of highly certified inspectors and environmental specialists.

For the entire McKinley/TERRADON Team; your design team members have been chosen, and will devote the time needed to design your project on schedule. We are available to start immediately upon being selected. In addition to those key team members whose resumes are seen later in the submittal; the McKinley/TERRADON Team currently has the ability to dedicate additional resources and can also attribute more professionals from our various trades to accomplish your goals. We will be available during the term of the project. We can and will perform for you on time.

A flow chart of the entire design team is seen on the following page, followed by resumes of the key staff, and information about our Corporations.

Project Manager / Point of Contact

■ ■ ■ **Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**

Architecture

■ ■ ■ **Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**
*Architect / LEED Accredited Professional Specializing in Building
Design & Construction*

Engineering Team

■ ■ ■ **Tim E. Mizer, PE, RA, QCxP**
*Director of Engineering Services / Architectural Engineer / Architect /
HVAC Qualified Commissioning Process Provider*

■ ■ ■ **Bruce A. Kennedy, PE**
Electrical Engineer

■ ■ ■ **Lee Belcher**
HVAC Engineering Designer

■ ■ ■ **Scott D. Kain**
Plumbing Engineering Designer

■ ■ ■ **David A. Ullom**
Mechanical Engineering Designer

Land Development

 **Greg Fox, ASLA, LEED AP**
VP Land Development / Landscape Architect / LEED Accredited Professional

 **Shawn Gray, ASLA**
Site Designer & Land Planner / Landscape Architect

 **Pete Williams, ASLA**
Landscape Architect / Storm Water

 **Kristen McClung, PE, MBA**
Senior Civil-Site Engineer

 **Jim Nagy, PE**
Senior Engineer / Civil Engineer

 **Robert Thaw, PS**
VP Survey & Mapping

Construction Administration

■ ■ ■ **Robert E. "Bob" Smith**

Thomas R. Worledge, AIA, LEED AP BD+C, REFP

Architect / Specialized LEED Accredited Professional



EDUCATION:

Virginia Polytechnic Institute & State University
Master of Architecture - 1992

Fairmont State College, School of Technology
B.S. Architectural Eng. Tech. - 1983

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Architect in:

West Virginia
Ohio
Pennsylvania
Tennessee
Virginia

National Board Certification:

NCARB #48600

President:

West Virginia Society of Architects

Member:

The American Institute of Architects
US Green Building Council
Sustainable Building Industries Council
Recognized Educational Facility Planner

Former voting member:

ASHRAE 90.1 International Energy Code
Committee

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Manager, Charleston Office
Charleston, WV (2005 to present)

Proactive Architecture Inc.
President
Charleston, WV (1999-2005)

Silling Associates Inc.
Vice President
Charleston, WV (1992-1999)

TAG Architects
Charleston, WV (1985-1990)

Alpha Associates Inc.
Morgantown, WV (1983-1985)

SUMMARY OF EXPERIENCE:

Mr. Worledge is a skilled **Architect** with over 35 years of experience, who has been the former President of the WV chapter of AIA, has received State and National design awards, and placed in National and Global design competitions. Unlike many architects who are new to green building and alternate energy, Thom started his career designing and building alternate energy systems, and was the first LEED Accredited Professional in West Virginia! He believes energy efficient design is simply good design practice. As a **LEED Accredited Professional specializing in Building Design & Construction (LEED AP BD+C)** and a **recognized sustainable design expert**, he has **2 LEED Certified** projects, **multiple LEED Registered** projects, several other energy-efficient projects, has articles published in State and National trade publications, was a featured speaker at multiple State and National conferences, served on the committee that set the ASHRAE 90.1 Standards for the International Energy Code, professionally teaches and trains other professionals in the art of High Performance Design, is a Founder & Chairman of the Board for the US Green Building Council's West Virginia Chapter, and much more. Thom recently attended an intense professional development course of study on "Guidelines for Laboratory Design" at **Harvard University's School of Health** to complement his experience and gain further insight into the details of the design of **Medical/Research/Laboratory spaces**.

NOTABLE PROFESSIONAL ACHIEVEMENTS:

Veterans Affairs Medical Centers - multiple VAMCs around WV and PA, such as Huntington, Clarksburg, Beckley, Butler, and more

West Virginia Department of Health & Human Resources' Ohio County Office Building fit-out / renovations

Nicholas County Division of Homeland Security & Emergency Management - E-911 and Emergency Operations Center studies

West Virginia State Police - multiple projects throughout WV

Building 55: WV State Office Complex in Logan (**LEED Certified**)

United States Postal Service - multiple projects throughout WV

WVSU - Gus R. Douglass Economic Development Center renovations

Fairmont State University - 3 building "University Terrace" Student Housing College Apartments Complex (\$30M)

West Virginia University - University Police Building fit-out

Charleston Enterprise Center renovation (WV AIA Design Award)

Williamson SMART Office (LEED Registered / Placemaker Award)

Natural Energy Design (NED) Building (Placemaker Award)

Bellann in Oakhill, WV (LEED Registered)

Harrison County Schools - new Johnson Elementary School (NCWV Media's Public Project of the Year)

Marshall County Schools - Hilltop Elementary School (**LEED Certified** - won multiple WV and National Awards & Recognitions)

Wood County Schools - Parkersburg High renovation (\$23 million) & Williamstown High renovation (\$13.5 million)

Tim E. Mizer, PE, RA, QCxP

Architectural Engineer / Architect / Commissioning Provider

Director of Engineering Services

EDUCATION:

Kansas State University
B.S. Architectural Engineering - 1983

University of Cincinnati
Architecture

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:
Ohio
West Virginia

Registered Architect in:
Ohio

**Qualified Commissioning Process
Provider**

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Director of Engineering Services
Architect / Engineer
Wheeling, WV (1995 to present)

M.C.C. Engineering
Director of Design
Columbus, Ohio (1988-1995)

Schooley Caldwell and Associates
Electrical & Mechanical Design
Columbus, Ohio (1986-1988)

Mizer Design
Free Lance Architectural Engineering Design
Columbus, Ohio (1985-1986)

Envirotek, Inc.
Drafting and Electrical & Mechanical Design
Raleigh, NC (1984-1985)

SUMMARY OF EXPERIENCE:

Mr. Mizer is a very talented and unique professional being both a **Professional Engineer** and a **Registered Architect**. He joined McKinley Architecture and Engineering in 1995, and has over 35 years of experience. Mizer's background as an Architect and Engineer has provided him with a total understanding of the engineering components and the process necessary for integrating architectural design and building systems. Furthermore, he is also a **Qualified Commissioning Process Provider**, and has been formally trained to fully understand how integrated HVAC systems function and how systems interface with others to run your building efficiently. As the **Director of Engineering Services**, Mr. Mizer's presence is a key to the design procedures required to coordinate the functionality of the engineering systems into the aesthetics of a building space.

NOTABLE PROFESSIONAL EXPERIENCES:

Dr. Ganzer Medical Office Building fit-out / renovations

Dr. Don Chapman's Keep Smiling Family Dentistry fit-out / renovations

VAMC Beckley renovations

Wetzel County Hospital addition/renovations

Marietta Memorial Hospital

OVMC Nurses Residence Hall

Reynolds Memorial Hospital Rapid Care Center

The Ryan Ferns HealthPlex

Chambers YMCA renovations

Weirton Elementary's School-based Health Center

West Virginia Department of Health & Human Resources' Ohio County Office Building fit-out / renovations

Building 34: WV State Office Complex in Weirton

Building 55: WV State Office Complex in Logan (LEED Certified)

Orrick's Global Operations Center

United States Postal Service - several projects in WV and PA

WV Army National Guard - multiple projects

West Virginia State Police - dozens of projects

Wheeling Island Hotel•Casino•Racetrack multiple projects

Wagner Building multiple projects

Raleigh County Emergency Services Authority renovations

Hilltop Elementary School (LEED Certified)

Braxton County Senior Center renovations

West Virginia Independence Hall renovations

Bruce A. Kennedy, PE

Electrical Engineer

EDUCATION:

The University of North Dakota
B.S. Electrical Engineering - 1975

DeVry Institute of Technology

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Registered Engineering in:

West Virginia
Ohio
Pennsylvania
Texas

MILITARY SERVICE:

US Air Force - Honorable Discharge

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Electrical Engineer
Wheeling, WV (2018 to present)

Advanced Electrical Simulations LLC
Owner/Principal Engineer
Spring, TX (2014 to present)

Cameron International
Principal Electrical Engineer
Houston, TX (2011-2014)

SUMMARY OF EXPERIENCE:

Mr. Kennedy has been an **Electrical Engineer** since 1975. He is an experienced power electronics/electrical systems design engineer with extensive electrical simulation experience using ETAP, SKM, EasyPower and PSIM. He personally owns and maintains ETAP license. He has completed electrical system designs for industrial, office, medical, educational, retail construction, and more.

NOTABLE PROFESSIONAL EXPERIENCES:

WVDOT, Division of Highways - District 6 Moundsville Headquarters renovations

Belmont County Divisional Courts & Offices renovations

The Towers Building renovations

Harrison County Schools - Johnson Elementary School

Tyler County Schools - multiple projects

Wetzel County Schools - New Martinsville School renovations

Wetzel County Schools - Valley High School meat lab

Wetzel County Schools - Valley Field House

Facilities arc-flash, short-circuit fault, protective device coordination, load flow and harmonics studies.

Facilities electrical system existing conditions, code compliance and problem solving surveys.

Drilling rig short-circuit fault current, protective device coordination, load flow and harmonics studies.

Application of NEC, IEC and ABS standards to mobile offshore drilling rig electrical systems.

Computer data center electrical system design and onsite project management.

Data center short-circuit fault current, protective device coordination and arc-flash studies.

Electrical system designs for medical, industrial, office and retail construction.

Building load analyses, emergency generator sizing and fault current studies.

Electrical system designs for hospitals, medical clinics and educational buildings.

Short-circuit fault current, protective device coordination and arc-flash studies.

Industrial battery charger and UPS systems power electronics design.

Custom power conversion equipment/systems design.

Lee Belcher

Senior Engineering HVAC Designer

EDUCATION:

John Tyler Community College
Mechanical Engineering Technology - 2012

PROFESSIONAL AFFILIATIONS:

ASHRAE

ISPE

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Senior Engineering HVAC Designer
Wheeling, WV (2020 to present)

ARBAS, Inc.
Vice President
Midlothian, VA (2013 to 2020)

SUMMARY OF EXPERIENCE:

Mr. Belcher has greater than 30 years of experience leading design teams and managing construction efforts and contracts for Owner projects ranging from support buildings to multi-million-dollar facilities with diverse project scopes, sizes, and personnel. Since 1985, his HVAC project work has included educational facilities, dormitories, healthcare facilities, laboratory and cleanrooms, office buildings, mixed-use facilities, key project proposals, heat gain/heat loss calculations, equipment selection, project specific mechanical specification writing, code analysis; QA/QC for drawings, specifications, construction efforts and managing construction efforts to the Certificate of Occupancy. He has performed code evaluation and its application to project work which is an important component to project success. He has generated Construction Documents, performed QA/QC work on Construction Documents, as well as performed Construction Administration duties with QA/QC work during construction to punch list and through to Owner's Certificate of Occupancy.

NOTABLE PROFESSIONAL EXPERIENCES:

Longwood University - Real Estate Foundation*

Completed the Longwood University HVAC and electrical upgrades for multiple student housing buildings. Started project in the Conceptual Design phase and continued into construction with construction administration efforts. Led the mechanical design and managed project from conceptual design to completion. The project consisted of the upgraded replacement of hundreds of air-to-air heat pumps for student housing communities. Managed the contract for the 2.5 million-dollar upgrade effort through three phases of construction. Completed project with a pleased Client.

Media General - Office Building Renovation*

Led the mechanical design of a newly constructed 9.6-million-dollar multi-story 40,000 sf building.

Department of Corrections - Adult Services Division Campus*

Led the mechanical design of a new campus style training complex with multiple buildings including a commercial kitchen, dining space, multi-story classroom building, administration building, gymnasium and multi-story holding cells.

American University - Dormitory Renovation*

Led the mechanical design for three aged dormitories with total of 114,000 sf into classroom and office space.

Franklin Military Academy at Richmond City Public Schools*

Managed the construction administration for the replacement of system level equipment. Performed construction administration duties with QA/QC work during construction to punch list and through to Owner's Certificate of Occupancy.

Bolling Air Force Base - Washington, DC - DIA Mail Facility*

Led the mechanical design for 3000 sf of newly constructed mail facility on a military base. Provisions were made for the application to combat bioterrorism concerns.

**previous work experience with a firm other than McKinley Architecture and Engineering*

Scott D. Kain

Plumbing & Electrical Engineering Designer

EDUCATION:

Technology Education College /
Ohio State University
Associates in Mechanical Design - 1996

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Engineering Designer
Wheeling, WV (2001 to present)

HAWA Inc.
Mechanical Designer
Columbus, OH (1998-2001)

Autotool Inc.
Engineer
Columbus, OH (1995-1998)

SUMMARY OF EXPERIENCE:

Mr. Kain is an accomplished engineering designer who has performed in all the engineering trades we provide; specializing in electrical, plumbing, and fire protection. He has been utilized for various McKinley Architecture and Engineering' projects that needed additional mechanical, structural, and architectural manpower. In addition, Mr. Kain has also provided 3D renderings, to aid in business development, during his long tenure at McKinley Architecture and Engineering.

NOTABLE PROFESSIONAL EXPERIENCES:

WVDHHR's new Ohio County office fit-out / renovations

Building 55: WV State Office Complex in Logan (LEED Certified)

Building 34: WV State Office Complex in Weirton

VAMC Beckley

Wetzel County Hospital

OVMC Nurses Residence Hall

Dr. Ganzer Medical Office Building fit-out / renovations

HealthPlex fit-out / renovations

Holiday Inn Expresses & Suites- multiple projects

WVDRS Wheeling District's new office space fit-out / renovations

United States Postal Service - statewide post offices

West Virginia State Police - multiple projects state-wide

West Virginia Army National Guard - multiple projects

Wheeling Island Hotel•Casino•Racetrack multiple projects

Wheeling Island Fire Station

Chambers YMCA

Orrick's Global Operations Center

Maxwell Centre

Bennett Square

Wagner Building

Panhandle Cleaning & Restoration warehouse and office building

West Virginia University - Colson Hall

West Virginia University - State Fire Training Academy

WVU Institute of Technology - Maclin Hall

Cabela's Eastern Distribution Center

WV Northern Community College - B. & O. Building

Marshall County Schools - Hilltop Elementary School (LEED Certified)

Marshall County Schools - Cameron High School (LEED Registered)

David A. Ullom

Mechanical Engineering Designer

EDUCATION:

Fairmont State University
B.S. Mechanical Engineering Technology - 2011

Pierpont Community and Technical College
Associates Degree in Applied Sciences:
Drafting and Design - 2011

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Engineering Designer
Wheeling, WV (2019 to present)

Kennametal Inc.
Sales Engineer (2016-2019)
Applications Engineer (2012-2016)
Latrobe, PA

Marion County Assessors Office
Map Developer
Fairmont, WV (2010-2012)

SUMMARY OF EXPERIENCE:

Mr. Ullom is a results-driven individual who prioritizes safety, cost-effective solutions, and exceeding customer expectations. He is proficient in Autocad, Inventor, and Revit software. David also has experience as a Sales Engineer, Applications Engineer, and Map Developer, which provides an unique understanding for problem solving.

NOTABLE PROFESSIONAL EXPERIENCES:

Trinity Health System - Crisis Rehabilitation Unit

WVU Medicine - Reynolds Memorial Hospital

General Services Administration - Social Security
Administration's Wheeling, WV Office

The Towers Building HVAC

Belmont County Divisional Courts

Jefferson County Justice Center

Ohio County Schools - Bridge Street Middle School

Ohio County Schools - Madison Elementary School

Ohio County Schools - RESA 6 Building

Mid-Ohio Valley Technical Institute (MOVTI) HVAC

Mining sales in Illinois, Alabama, Kentucky, Ohio, and West Virginia.

Specialist in conical cutting and drilling tools for coal applications.

Reviewed test plans and procedures to ensure adequate coverage of system requirements.

Collaborated with scientific, engineering, and technical personnel to resolve testing problems and system malfunctions.

Created comprehensive test plans, test scripts, and use cases to support testing objectives.

Worked in different geologies across North America assisting sales force in finding the best product for the customer.

Developed and edited maps for the Assessor's office in Marion county, WV (Fairmont).

Gained experience in geographic information systems (GIS).

Robert E. "Bob" Smith

Construction Administrator

EDUCATION:

University of Pittsburgh
M.S. Industrial Engineering - 1989

United States Air Force Academy
B.S. Behavioral Science /
Human Factors Engineering - 1983

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Board Member:

Indian Creek School District (elected in 2009)

Instructor:

Mechanical Engineering, Eastern Gateway
Community College

Village Administrator:

City of Mingo Junction (2015 to present)

Commander:

American Legion Post 351 (2008 to present)

PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering
Construction Administrator / Project Coordinator
Wheeling, WV (2009 to present)

Jefferson County Regional Planning Commission
Regional Planner
Steubenville, OH (2008-2009)

Edison Local School District
Director of Operations (1999-2008)
Transportation Supervisor (1998-1999)
Hammondsville, OH

MILITARY SERVICE:

Wright Patterson Air Force Base - Dayton, OH
Chief B-2, Block 20 Field Retrofit, \$300 million
B-2 Systems Program Office (1994-1996)
Team Leader, Process Improvement Technology
Armstrong Laboratory (1989-1994)

Randolph Air Force Base - San Antonio, TX
Chief, Test Construction Section
Occupational Measurement Center (1987-1988)
Quality Control Psychologist
Occupational Measurement Center (1985-1987)
Supervisor of Test Construction Team
Occupational Measurement Center (1983-1985)

SUMMARY OF EXPERIENCE:

Mr. Smith has been a **Construction Administrator** at McKinley Architecture and Engineering for over 10 years. Bob is a self confident, articulate and highly motivated individual with superior interpersonal and teamwork skills. He has a plethora of experience in mid to upper level personnel management, advanced information systems integration, training, acquisition, contract management, transportation and maintenance, and quality control. He has 23 years of direct supervisory experience, as well as 13 years of documented success as an **Air Force Officer**. He is currently a member of the Board of Education for the Indian Creek School District in Jefferson County, Ohio. He is also an Adjunct Professor at Eastern Gateway Community College in Steubenville, Ohio, where he is teaching Mechanical Engineering.

NOTABLE PROFESSIONAL EXPERIENCES:

Fairmont State University's new 3 building "University Terrace" Student Housing Apartment Complex

West Virginia Army National Guard - AASF#1 HVAC renovations

Towers Building renovations, multiple phases

Lincoln National Bank Building renovations/historic

Harrison County Courthouse historic roof

United States Postal Service - multiple projects thru multiple open-ended IDIQ contracts, including renovations

City of Steubenville - multiple renovation projects

Steel Valley Regional Transit Authority roof

Jefferson County Jobs & Family Services renovations

Brooke County Schools - Brooke High HVAC, new Brooke Middle, Follansbee Middle & Carlin Dodrill Fieldhouse renovations

Grant County Schools - Maysville Elementary & gymnasium renovations/HVAC & Union Educational Complex renovations

Hancock County Schools - A.T. Allison Elementary renovations, New Manchester Elementary renovations, Oak Glen High renovations/HVAC, Oak Glen High Multi-Sports Complex, Oak Glen Middle addition/renovations, Senator John D. Rockefeller IV Career Center HVAC, Weir High Multi-Sports Complex, Weir MS/HS HVAC, & new Weirton Elementary

Ohio County Schools - multiple renovation projects

Marshall County Schools - new Cameron High (LEED Registered) & new Hilltop Elementary (LEED Certified)

The Linsly School - Banes Hall addition/renovations & Behrens Memorial Gymnasium renovations

Follansbee City Building renovations

Cabela's Eastern Distribution Center

Cameron American Legion Exterior Renovations

Firm History

Founded in 1981, McKinley Architecture and Engineering is a multi-discipline **full service Architectural & Engineering firm**, offering comprehensive **professional services in Architecture, Engineering, Energy Efficient and Sustainable (LEED) Design, Commissioning, Construction Administration, Learning Environment and Educational Facility Planning, and Historic Preservation.**

We have a broad range of skill and experience for projects involving **governmental, emergency service, medical, commercial/office, PK-12 schools, higher educational, sports & recreation, private sector, and much more.**

Over the years, our firm won multiple **State and National awards and recognitions** for our works.



Firm Information

Ernest Dellatorre
President

Tim Mizer, PE, RA, QCxP
Director of Engineering Services

Patrick J. Rymer, AIA, ALEP
Director of Architectural Services

Date of Incorporation

July 1, 1981
Wheeling, West Virginia

Professionals

Architects
Engineers
Arch./Eng. Designers
Construction Admins.
LEED AP BD+C
ALEP (CEFP)
REFP
Commissioning Provider
Historic Preservationist

Locations

32 Twentieth Street
Suite 100
Wheeling, WV 26003
P: 304-233-0140
F: 304-233-4613

129 Summers Street
Suite 201
Charleston, WV 25301
P: 304-340-4267

5000 Stonewood Drive
Suite 220
Wexford, PA 15090
P: 724-719-6975

Credentials

McKinley Architecture and Engineering is a member of the following **organizations:**

A4LE (formerly CEFPI), ACI International, AIA, ASCE, ASHRAE, ASPE, AWI, BOCA, NCARB, NFPA, WVEDC, and more

Follow Us

www.McKinleyDelivers.com

www.Facebook.com/McKinleyDelivers

www.Linkedin.com/company/McKinleyDelivers

Instagram: @McKinleyDelivers



Greg Fox oversees TERRADON's Land Development Sector. Fox has been responsible for hundreds of notable commercial, educational and recreational site development projects during his 28 year career. During his time as Land Development Department Head, TERRADON has earned Engineering Excellence Awards from the West Virginia Association of Consulting Engineers, numerous Merit Awards from the American Society of Landscape Architects, and the Gold Award from the American Council of Engineering Companies. Fox has performed a number of site selection and analysis services on projects over the last 30 years.

Project Experience

The Summit Bechtel Family National Scout Reserve, Fayette County, WV

Provide Site Selection and Design for the 10,600+ acre site in Fayette County, WV. Responsible for site prioritization and selection criteria, feasibility studies, cost analysis, site grading, construction drawings, NPDES design and coordination for all project sub-consultants for NPDES permitting with WVDEP.

Advanced Technology Centers, WV

Provided site design services for two West Virginia Higher Education Policy commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV. Responsibilities included site identification, prioritization, evaluation, ranking matrix's, site record data, feasibility studies, and final site suggestions. Additionally provided grading, erosion and sediment control and utility design.

Steel Dynamics, Cabell & Mason County, WV

TERRADON was approached by the West Virginia Development office to provide site selection and evaluation services of a large industrial site for a prospective large scale industrial tenant in Cabell and Mason counties. To select and prioritize possible site options, TERRADON worked with WVDO, Mason County Development Authority, and AEP to visit and review potential sites across the two counties. TERRADON evaluated multiple sites before ultimately suggesting a selected 550 acre site that had an additional 800 acre adjacent lot available for additional development. TERRADON services expanded from site selection and prioritization to survey, site planning, and design work for the prospective site tenant.

K-12 Educational Facilities, WV

Responsible for Master Planning, Site Layout and Design, Schematic Renderings, Parcel Identification, Feasibility and Cost Analysis, and construction drawings for hundreds of k-12 educational facilities throughout West Virginia. Additionally, Fox has provided site selection services on new school projects or relocation of school facilities throughout West Virginia. Projects include new construction as well as renovations and additions.

Marshall University, Huntington, WV

Responsible for Site Design, Utility Design, Grading and Drainage for Applied Sciences Building, Student Housing, Wellness Center and Parking Garage. Provided ADA compliancy on campus buildings and site design for existing soccer field.

Education

B.A. Landscape Architecture
West Virginia University

B.A. Geography & Planning
West Virginia University

Certifications

Registered Professional Landscape Architect: WV

LEED Accredited Professional

Total Years Experience
+30

Greenbrier Valley Medical Center, Lewisburg, WV

Responsible for master planning through site/civil construction documents for the Greenbrier Valley Medical Center in Lewisburg, WV.

Tazewell Community Hospital, Tazewell, VA

Responsible for master planning through site/civil construction documents for the East Addition of the Tazewell Community Hospital in Tazewell, Virginia.

Thomas Memorial Hospital, South Charleston, WV

Responsible for site/civil construction documents for Thomas Memorial Hospital in South Charleston, WV.

Grand Vue Park, Marshall County, WV

Created a Master Plan for the expansion of the Marshall County, WV park. The Master Plan was followed by a Phase I design and construction drawing package that included six "tree house"-style lodges and a high adventure park to complement the park's existing zip lines. High adventure features include a 30' high aerial obstacle course, a 28' high rock climbing wall, a 60' gravity swing, a rappelling wall, a 43 ft mega jump and a giant trampoline.

Greater Greenbrier Sports Complex, Lewisburg, WV

Provided Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV. Five phases include: Master Planning, Grading Study, Full Construction Documents, Utility Layout, Road Design, Erosion and Sediment Control.

Glade Run, Zelienople, PA

Conducted a master facility plan for a 300+ acre development for Glade Run Lutheran Services. This project involved a mixed-use development which included an equestrian trail, senior housing, single family residential, office, and retail.

Palatine Park Master Planning, Fairmont, WV

Provided master Planning Services for the City of Fairmont for the redevelopment of Palatine Park on the east side of the Monongahela River adjacent to downtown Fairmont, WV. The Master Plan featured new parking areas, walking trails, a vista overlook, a picnic gazebo and retail space.

Putnam County Parks Master Planning, Putnam County, WV

Provided Master Planning and site civil design services for the expanding Valley Park in Hurricane, Putnam County, WV. This work is part of a nearly \$2 million expansion, which was completed in 2013 and adds an additional 6 acres to the park. The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.

Fairmont Riverfront Park Master Plan, Fairmont, WV

The City of Fairmont and the Fairmont Renaissance Corporation intend to develop new recreation opportunities and at the same time enhance economic development opportunities for the community. The main goal of the planning process was to develop a plan that will allow for the comprehensive development and implementation of new elements to the riverfront. The elements planned will include rehabilitation of an existing park and new recreation, commercial, and residential opportunities.

Shawn Gray is an experienced Site Designer and Land Planner who serves as an integral part of the TERRADON design team. He offers experience on many of TERRADON's highest profile projects, focusing on large scale site development and parks and recreation projects. Gray also provides site design and landscape architecture services for K-12 and Higher Education projects. He is responsible for developing site, grading, landscape and utility plans, site detailing and erosion sediment control plans and permitting.

Project Experience

Bible Center Church Master Plan, Charleston, WV

Project consisted of the layout of a soccer field, youth soccer fields, track, softball field, cross country/walking trail, a new sanctuary, chapel, pre k-8 school/gym, ministry village, new parking, independent living facilities, and assisted living facilities. Project also consisted of site grading and utility study and a budget estimate.

Ohio Valley University, Vienna, WV

Project consisted of designing a sports complex for the university. New amenities included a track and field events, soccer field, baseball field, new softball field, tennis courts, parking, basketball arena with amenities, and an outdoor sports hall of fame. Project also consisted of site grading and a budget estimate.

Cabin Creek Health Systems, Sissonville, WV

New medical/dental office building. Services included site layout, grading, drainage, utility, erosion and sediment control, details, and landscape. Site also included retaining wall layout and design, underground stormwater design, creek bank stabilization.

Greater Greenbrier Sports Complex, Greenbrier County, WV

Provided 5-Phased, Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV.

Valley Park Master Planning & Expansion, Hurricane, WV

Served as a Site Designer for the expanding Valley Park in Hurricane, WV. The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.

Volcano Island Master Planning, WV

Provided land planning and design engineering, utility location and mapping services for the properties. The master planning provided vision for Volcano Island Water Park, allowing the City of Fairmont efficient and value-based use of the former environmentally concerned site.

Sheetz, WV

Provided site design services for Sheetz Service Centers at Scott Depot, Cross Lanes and Green Acres, WV. The projects consisted of site layout and design, utility design, hardscapes and landscape architecture.

Education

B.A. Landscape
Architecture
West Virginia
University

Total Years Experience

+15

Pete Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 16 years of experience at TERRADON and more than 27 years of overall experience.

Project Experience

Fire Stations, Medical, First Responder, Public Facilities—Master Planning & Site Design Services, WV

Yeager Airport Fire/Crash/Rescue Station, Fairmont Public Safety Building & Fire Safety Station, South Charleston Fire Station, Greenbrier Valley Medical Center, A New Marshall County Public Safety Annex, Putnam County Courthouse, A new West Virginia State Police Facility at Sharon Steel, A new Stonerise Care Facility at Thomas Hospital

Advanced Technology Centers, WV

Provided site design services for two West Virginia Higher Education Policy commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV. Responsibilities included site identification, prioritization, evaluation, ranking matrix's, site record data, feasibility studies, and final site suggestions. Additionally provided grading, erosion and sediment control and utility design.

Higher Education— Master Planning & Site Design Services, WV

Marshall University Student Recreation Center, Marshall University Student Housing, Fairmont State Inner Campus Design

Grand Vue Park, Marshall County, WV

Created a Master Plan for the expansion of the Marshall County, WV park. The Master Plan was followed by a Phase I design and construction drawing package that included four "tree house"-style cabins and a high adventure park to complement the park's existing zip lines. High adventure features include a 30' high aerial obstacle course, a 28' high rock climbing wall, a 60' gravity swing, a rappelling wall, a 43 ft mega jump and a giant trampoline.

YMCA of Kanawha Valley, Kanawha County, WV

Provided master planning services and prepared construction documents for the development of a baseball field and large multi-purpose field along with a walking trail system for the existing YMCA facility.

Trace Fork Soccer Complex & Ice Arena, Kanawha County, WV

Provided master planning and site design services as well as prepared construction documents for the development of six carrying sized soccer fields, an indoor ice arena, and associated roadway and parking to serve the large facility.

Harveytown Park, WV

Provided master planning and site design services and provided construction documents for the development of a new neighborhood park with walking trails, children's play areas, & basketball courts.

Education

B.S. Landscape Architecture
West Virginia University

Certifications

American Society of Landscape Architects

West Virginia Chapter of American Society of Landscape Architects

Total Years Experience

+20

Kristen Stinson McClung serves as a Civil-Site Engineer for TERRADON Corporation and is based in the Lewisburg, WV office. She brings nearly 20 years of engineering practice to public and private sector clients. From conception through acceptance of projects, McClung offers experience in civil, environmental, land development, streetscapes, survey, permitting, water, wastewater, paving, storm drainage, transportation and erosion-sedimentation control.

Project Experience

Tanyard Station Sanitary Sewer Design, Village of Barboursville, WV
McClung performed the Sanitary Sewer for this new commercial, out-door shopping mall. She performed the sanitary sewer calculations for the sizing of the trunk line through the development; for the new sewer pump station within the development for that area of the development that was too low for the primary gravity system; and for the new pumps associated with the Village's existing Pump Station #4. As part of the proposed development, the existing forcemain for Pump Station #4 had to be re-routed into the development's new sanitary sewer trunk line, resulting a new pump curve for the existing station.

Schoenbaum Tennis Court Asphalt & Storm Drainage Repairs, Charleston, WV

McClung designed a new storm drainage underdrain system for the existing tennis courts. The courts were experiencing weeping from beneath the courts of trapped storm water runoff/ground water. As the existing courts were nearing the end the existing asphalt surface course's useful life, the Parks and Recreation Department decided that this was the appropriate time to install the needed underdrain system and re-surface the course, as the new underdrain system would require the demolition of the existing asphalt surface course. McClung, also developed the Contract Documents and Construction Specifications in coordination with the City of Charleston for the public bidding of this project.

The Greenbrier Sporting Club Driveway Drainage Projects, White Sulphur Springs, WV

McClung was brought in to evaluate various private homes' driveways which were experiencing surface water runoff ponding issues from incorrectly graded driveways and non-functioning/undersized storm drainage systems. McClung developed new driveway grading plans and new stormdrainage collection and conveyance systems to alleviate the stormwater runoff ponding.

Tru-Hotel by Hilton, Lewisburg, WV

McClung prepared the Site Drainage Plan for this proposed hotel within a new commercial development. Design responsibilities included the Site Layout and Parking Plan, the Site Grading Plan, and the Storm Drainage Plan. McClung also prepared the Site Design Package required by the City of Lewisburg's Planning Commission for review and approval by the City.

The Crossing – Cameron Martin Properties, Village of Barboursville, WV

McClung design the new stormwater culvert beneath the proposed entrance drive for this new commercial development. In addition,

Education

M.B.A. University of Georgia

M.S. Civil Engineering, Auburn University

B.C.E. Civil Engineering, Auburn University

Certifications

Georgia Soil & Water Conservation Commission

Level II Certified Design Professional

Registration

Professional Engineer: WV, GA, AL

Total Years Experience

22

McClung performed the Pre-Development and Post Development Stormwater Runoff Calculations for this project for use by other Design Team members.

Meadows Estates Neighborhood, Greenbrier Sporting Club, White Sulphur Springs, WV
Served as the civil-site design engineer of record for the newly created 11 lots within the Meadows Estates Neighborhood on the Meadows Golf Course. Design responsibilities included newly designed roads, water line extension, sanitary sewer extension, new storm drainage collection systems to replace existing ditches through the lots, and coordination with Mon Power of underground power extension/relocation.

Center Court at Creekside, The Greenbrier, White Sulphur Springs, WV
Served as the project manager for this project, a 2500 seat outdoor tennis stadium and the historic Greenbrier Resort. Responsibilities included site grading to accommodate the bowl stadium, which required over 30,000 cy of fill material. McClung also sized and designed the storm water drainage system, sanitary sewer system, and water distribution system for the project.

Creekside Stormdrainage Improvements for the Greenbrier Sporting Club, White Sulphur Springs, WV
Ms. McClung designed a new stormwater drainage collection and conveyance system for the Creekside Neighborhood in the Greenbrier Sporting Club. The existing neighborhood had poor drainage due to several low lying areas and an existing poor/inadequate stormdrainage collection system. Ms. McClung utilized an aerial survey to design a new stormdrainage collection system with special attention to the low lying areas. In addition, all the existing home downspouts were connected to the new system to remove the roof area runoff from the surface runoff.

Summit Bechtel Reserve As-Built Drawings, Fayette County, WV
As project manager for the as-built portion of this landmark project, responsible with TERRADON's survey team for capturing all the as-built data for the large amount of underground utilities installed during the construction phase of this historic project.

Seneca Trail Animal Hospital, Lewisburg, WV
Served as the civil-site design engineer of record for the Seneca Trail Animal Hospital. Design responsibilities included a new entrance road on shared right-of-way, grading of the subject site to include 2 new buildings, a new parking lot, an underground detention system with new injection well, and the required permitting of the proposed facility at the local and state levels.

West Virginia School of Osteopathic Medicine New Entrance Road, Lewisburg, WV
Responsible for the civil-site design associated with the O-school's proposed new entrance road off WV State Route 219. The proposed entrance road will bisect an existing greenspace and provide visibility to the front of the school from 219. Design responsibilities included site grading, storm water drainage design, permitting of the project through the WVDOH, and the production of construction drawings.

Spill Prevention, Control & Countermeasure Plan for The Greenbrier Resort, White Sulphur Springs, WV
Prepared the 2015 calendar year SPCC Plan for the 10,000 Acre hotel campus. Special emphasis was given to the on-site oil and gasoline storage facilities as well as the on-site electrical transformers.

As a Senior Engineer at TERRADON, Jim Nagy's primary focus is on designing civil engineering projects for public and private development projects throughout West Virginia. Nagy specializes in the design of water distribution systems as well as sewage collection systems. Nagy offers decades of hands-on experience and has previously provided design engineering services for schools, commercial developments, residential developments, public utilities and more. He earned a B.S. in Civil Engineering from West Virginia University and is a Professional Engineer in the State of West Virginia.

Project Experience

SPCC Planning

updated SPCCs for All Crane & Equipment Rental and Spirit Services, Inc.

School Projects

Responsible for layout, design, and permitting of water and sewer lines for numerous school projects in WV. Projects entailed coordination with PSDs, municipal water and sewer departments, State and Federal regulatory agencies for design of facilities. Schools include: Blue Ridge Community and Technical College, Blue Ridge K-12, Burnsville Elementary, Flatwoods Elementary, Davis Elementary, Sutton Elementary, Little Birch Elementary, Frametown Elementary, Buffalo High School, Clay-Battelle High School, Confidence Elementary, Jefferson Elementary, East Hardy High School, Eastwood Elementary, Flinn Elementary, Geary Elementary, Gilbert High School, Greenbrier West high School, Hampshire High School, Harpers Ferry High School and 19 additional schools.

Commercial Developments

Responsible for layout, design, and permitting of water and sewer lines for numerous commercial developments in WV. Projects entailed coordination with PSDs, municipal water and sewer departments, State and Federal regulatory agencies for design of facilities. Developments include: Fairmont Federal Credit Union, Allegheny Energy Union (Fairmont), First Ward (Clendenin) Apartments, Milton Crossing, Tri-State Hotel and multiple convenience store sites throughout WV.

Charleston Replacement Housing

Utility design, primarily water, sewer and stormwater, and coordination of overall site activities with the project developer for multi-unit housing development. Each phase entailed the design and layout of several hundred feet of water, sewer and stormwater line, including multiple connections with the utility providers, i.e., the Charleston Sanitary Board and West Virginia American Water, and applicable permit applications. Also responsible for construction monitoring and provision of as-built drawings as required by the respective utility providers.

Cathcart – Devonshire Development, Scott Depot, WV

Designed sanitary sewer and water distribution system to serve more than 900 housing units in this private development.

Education

B.A. Civil
Engineering
West Virginia
University

Certifications

Registered
Professional
Engineer: WV

Total Years Experience

45

Washington Woods Subdivision, Ravenswood, WV

Designed more than 9,000 feet of water and sewer line and a 500 gpm fire pump water booster station to serve a 150 lot subdivision.

Sawmill Village, Snowshoe, WV

Designed approximately 2,800 feet of 8" water line and sanitary facilities to serve the Sawmill Village development project in Snowshoe, WV.

Cabell County Water Main Extension Project

Worked on design and layout of approximately 46,000 feet of water main for the Salt Rock PSD/WVAW. Responsible for bidding, contract award, and project management.

Putnam County Water Main Extensions

Worked on design and layout of approximately 63,000 feet of water main and a booster pumping station for the Putnam County Commission/WVAW. Responsible for bidding, contract award, and project management.

Manila Ridge Water Main Extension Project

Worked on design and layout of approximately 38,000 feet of water main for the Putnam County Commission/WVAW. Project has not received funding yet. However, will be responsible for bidding, contract award, and project management.

The Summit Bechtel Family National Scout Reserve, Fayette County, WV

Provided engineering for the 10,600+ acre site in Fayette County, WV. Responsible for site prioritization and selection criteria, feasibility studies, cost analysis, site grading, construction drawings, NPDES design and coordination for all project sub-consultants for NPDES permitting with WVDEP.

Advanced Technology Centers, WV

Provided site engineering for two West Virginia Higher Education Policy commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV. Responsibilities included site identification, prioritization, evaluation, ranking matrix's, site record data, feasibility studies, and final site suggestions. Additionally provided grading, erosion and sediment control and utility design.

Sheetz, WV

Provided engineering services for Sheetz Service Centers at Scott Depot, Cross Lanes and Green Acres, WV. The projects consisted of site layout and design, utility design, hardscapes and landscape architecture.

With more than 35 years of experience in a wide range of surveying projects, Robert Thaw serves as head of TERRADON's Survey and Mapping department. He organizes and supervises survey crews, reviews project plans, and creates base mapping for various projects including noise barriers, interchanges, connectors, bypasses, sidewalks, bike paths, and bridges. Thaw oversees all TERRADON survey activities, including: preparation of Right-Of-Way plans; the development of GPS static networks for aerial mapping in the design of roadways; identification of existing utilities and property lines; base image development and control placement for construction projects; and drafting of legal descriptions for ROW parcels.

Project Experience

The Summit Bechtel Family National Scout Reserve, Fayette County, WV

Thaw delivered more than 14,000 acres of LiDAR, which was flown during full summer canopy. TERRADON provided the horizontal and vertical control utilizing GNSS receives, and least square static network adjustment. A subsequent control network, utilizing GNSS receivers and least square network adjustment was established by TERRADON for construction staking. Concrete monuments, and aluminum disks were used for the control points. The entire 14,000 acres was mapped at 2' contour interval, will accuracy's better than 1' contour specifications.

City of Huntington Marina, Huntington, WV

Thaw provided services which included: aerial photogrammetry control, aerial photography, LiDAR, engineering design survey, data computation, CADD, digital terrain modeling, boundary survey, civil information model (CIM), and hydrographic surveys. Utilizing VRS and GNSS, TERRADON provided the photo control to develop base mapping for the City of Huntington Marina. After receiving the aerial mapping, TERRADON performed field edits to confirm critical areas with the LEICA TS 15 P-1, and VRs GNSS.

FMC Lagoon Decommission, Nitro, WV

Working with a team member Tuck Mapping Solution, TERRADON has been involved with the AC&S Inc. site for approximately 10 years. Originally involved with developing photogrammetric mapping for the 61 acre site industrial site, TERRADON has provided topographic surveys; storm water system investigation utilizing robotic video and closed space entry; as-built surveys of processing facilities; boundary surveys, boundary subdivision; and utility easements. Most recently TERRADON was responsible for developing a plan to survey the toxic sludge in one of the on-site lagoons. TERRADON coordinated with the project's environmental scientist and client, to agree on a sludge density to survey.

Laurel Fork Campground Bridge

TERRADON provided surveying and design engineering on a USDA Forest Service project in Randolph County, West Virginia. Surveyors led by Thaw provided Right-Of-Way services, including courthouse research, construction easements, and location of alignments. Additionally, provided topographic mapping, project control for construction, hydraulic cross sections, and stream profiles.

Education

A.S. Survey
Technology,
West
Virginia Institute
of Technology

B.S. Surveying,
West Virginia
Institute of
Technology

Certifications

Professional
Surveyor: WV

Total Years Experience

+35

Corporate Profile



FOUNDED: 1989

EMPLOYEES: 95

LOCATIONS:

Poca, WV
Lewisburg, WV
Fayetteville, WV
Clarksburg, WV

SERVICES:

Civil Engineering
Environmental Engineering
Environmental Inspection
Testing & Inspection
Construction Monitoring
Construction Administration
Geotechnical Engineering
Transportation Engineering
Structural Engineering
Cultural Resources
Archaeological Assessment
Geotechnical Engineering
Land Planning & Design
Survey & Mapping
Water & Utility Design

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 30 years TERRADON staff has provided a wealth of engineering solutions blanketing West Virginia and surrounding states with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

The firm has been recognized through numerous awards from professional organizations and agencies including the American Society of Civil Engineers, State Highway Departments, the Department of Environmental Protection and the American Institute of Architects.

TERRADON's diverse team of professionals work together on projects to offer a wide range of services in house to keep project centrally focused. By providing this range of services, TERRADON is able to work completely as a team to offer clients the most rewarding design.

TERRADON maintains professionally registered engineers, landscape architects, and surveyors as well as a competitive team of highly certified inspectors and environmental specialists.

TERRADON has experience working on projects funded by various agencies. Because of the variety of funding options for projects, TERRADON offers client support to help make funding projects easier.

TERRADON's corporate culture promotes innovation and progressive thinking. Project leaders strive to sustain customers through a wide-range of engineering offerings. TERRADON employees understand the purpose behind their services and work to cultivate lasting relationships with clients through honest, hard work.



TERRADON is the largest, woman-owned engineering firm in West Virginia and is a certified Women's Business Enterprise.



TERRADON's Land Planning and Development department offers creative and innovative site design plans that have been brought to life throughout the region. Land Planning and Development engineers, landscape architects and CAD designers work closely with other TERRADON departments to deliver the most efficient design for each project.

TERRADON's Land Development department works with public and private entities and has remained a strong presence in the commercial, educational and, parks and recreational development sectors.

The Land Planning and Development group is focused on retaining lasting relationships with its customers and prides itself on repeat clientele and referrals.

The Land Planning and Development department provides all services in-house from schematic design through construction drawings.

TERRADON maintains LEED accredited professionals in the Land Planning and Development department who remain on the forefront of sustainable design initiatives that aid clients in reducing significant energy costs on projects. TERRADON's Land Development department has more than 25 years experience working on industrial, commercial, parks and recreational, and other projects.

TERRADON has performed engineering and landscape design services for various monuments and plazas throughout the state. TERRADON has ample experience incorporating thematic design elements to achieve honorable memorial and monument plaza sites.

TERRADON has also worked on various renovation and addition projects ranging in sizes from small commercial gas stations, to large industrial sites. TERRADON has specialty staff that have worked on building renovation and additions comparable in size to the proposed project.

Services



*TERRADON maintains LEED
accredited
professionals on staff.*

- Site Civil Engineering
- Master Planning
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Utilities Design
- Preliminary Designs
- Storm Water Management Plans
- Erosion Control
- Presentation Drawings
- Renderings
- Graphic Design
- Construction Observation
- Bidding
- Construction Review
- Building Renovations & Additions Design
- Cost Estimating
- Project Management
- Site Assessments



TERRADON offers some of the most experienced staff in the region for local geotechnical expertise. This team of experts brings a distinctive, specialized understanding of the difficult soil and groundwater conditions found in the Ohio Valley and Appalachian Regions of the United States. The Geotechnical group has provided investigations associated with earthen dams, mining, waste disposal, new building construction, landslides analysis and remedial design, cell and high mast towers, landfill permitting and cap design, flexible/rigid pavement design, and environmental remediation.

Services

- Test Borings
- Test Pit Excavations
- Monitoring Well and Piezometer Installation
- Soil and Rock Logging, Sampling & Testing
- Landslide Analysis and Remedial Design
- Stability Analysis
- Retaining Structure Design
- Earthen Dams
- Foundation Design
- Municipal and Industrial Landfills
- Flexible and Rigid Pavement Design
- Complete Removal for Landslide Repair
- Buttressing and Regrading
- Subsurface Drainage
- Structural Corrections
- Retaining Walls
- MSE Walls and Other Gravity Walls
- H-Piles and Lagging
- Anchors (Rock or Soil Nailing)
- Geotechnical Design

TERRADON Corporation has provided design, analysis, and construction inspection on more than 300 slip repair projects across the Appalachian Region. TERRADON is well versed in providing test boring services to slip projects and also provides other methods of slip analysis and design.

TERRADON is qualified to provide Ground Penetrating Radar (GPR) and Resistivity testing to evaluate landslides and ascertain information such as: potential failure surface, mapping bedrock, locating subsurface voids, determining the amount of displacement, subsurface anomalies, locating groundwater, and determining stratigraphy layering.

TERRADON personnel are also experienced in various hand sampling techniques such as hand auguring, dynamic and static cone penetrometer tests, and hand dug test holes. These sampling and testing techniques are beneficial for determining subsurface stratigraphy, locating groundwater, collecting soil samples for laboratory analysis, locating failure surface, and determining the landslides boundary.



Constantly changing federal and state environmental requirements are difficult to track and can have a serious impact on businesses and other organizations. TERRADON offers a strong environmental services team to manage issues in a complex environment. Staff is well-versed on environmental permitting processes and regulations as well as site assessment and reporting.

TERRADON closely follows environmental activities on the local, state and federal levels. TERRADON has a thorough understanding of state and federal environmental permitting processes and regulations. This expertise applies to both the initial permit preparations, as well as subsequent negotiations affecting the permit. The firm's strength in addressing environmental issues is built on the diversity of its staff with credentials in chemistry, civil engineering, geotechnical engineering and geology.

SERVICES

- Environmental Inspections
- Phase I ESA
- Phase II ESA
- Phase III ESA
- Hazardous Waste Management
- Wastewater Management
- Storm Water Planning
- Air Permitting
- Risk Management Plans
- Wetland Delineation
- Tier II Reporting
- Emergency Response Plans
- Environmental Audits
- Environmental Remediation
- NEPA Compliance
- Asbestos and Lead Inspection
- Underground Storage Tanks
- Above Ground Storage Tanks
- Impoundment Stabilization & Closure
- SPCC Planning
- BMP Planning

TERRADON's experienced environmental staff routinely performs Environmental Site Inspections during construction, as well as post rainfall events to ensure compliance with current WVDPE construction stormwater NPDES Permits. TERRADON provides Waters of the US determinations, wetland delineations, Nationwide Permits as well as Individual 404/401 Permits with the Army Corps of Engineers and West Virginia Department of Environmental Protection (WVDEP). TERRADON has performed hundreds of wetland delineations using the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region* (Corps, 2012).



TERRADON offers materials testing and construction monitoring services to document compliance with project design specifications and regulatory requirements. The firm provides construction monitoring for utility, highway, and commercial construction projects. TERRADON also provides laboratory and field testing of construction materials. Engineers and technicians at TERRADON are West Virginia Department of Highways certified in Portland Cement Concrete, Hot-mixed Asphalt, Compaction and Aggregates.

Additionally, TERRADON provides Construction Management services including construction oversight, documentation, and safety procedure implementation. TERRADON has more than 35 qualified and certified construction inspectors and more than 5 qualified construction management representatives. TERRADON's team also includes environmental field inspectors, geotechnical inspectors, and geological field inspectors.

TERRADON Corporation Construction Testing and Inspection Department maintains a full service laboratory testing facility on site at the Poca, WV office. The laboratory is and staffed by qualified and certified construction inspection technicians.

Services

- Slump of Portland Cement Concrete (AASHTO-T119)
- Air Content of Freshly Mixed Concrete (AASHTO-T196 and T152)
- Unit Weight and Yield (AASHTO-T121)
- Making and Curing of Concrete Test Specimens (AASHTO-T23)
- Compressive Strength of Concrete Specimens (AASHTO-T22)
- Fine and Course Aggregate Gradations (AASHTO-T11 and T27)
- Specific Gravity of Aggregates (AASHTO-T84 and T85)
- Atterberg Limits (AASHTO-T89 and T90)
- Moisture Content of Soil (ASTM-D2216)
- Nuclear Compaction Testing of Soil, Stone, and Hot Mixed Asphalt
- Preparation of Certification Forms and Construction Reports
- Welder Certification
- Agency Compliance
- Floor Flatness Testing
- Fireproofing
- Masonry Testing
- Structural Steel Inspection Certified
- Welding Inspection
- Dye Penetrant Testing
- Bolt Testing
- Project Safety Monitoring
- FAA Eastern Regional Laboratories
- Steel Institute AST Inspections



TERRADON has been a leader in West Virginia and the surrounding region for the land surveying industry since 1989. The team has developed an extensive resume of successful surveying and mapping projects performed for a diverse group of repeat private and public sector clients. TERRADON's experienced staff of licensed professional surveyors and mappers bring expertise and proficiency to every project task.

The company is committed to staying ahead of the industry's pace by investing in state-of-the-art equipment and technology. That commitment enables TERRADON to overcome unique and challenging project conditions or obstacles, and efficiently provide the most accurate and complete information available to clients.

TERRADON has a long history of providing design and construction survey services for numerous transportation projects. Efficient and accurate results are ensured by prioritizing the use of modern technology, including state of the art GPS and robotic total stations, with the latest design software.

TERRADON maintains full-time Professional Surveyors on staff. The firm services projects through the use of in-house field survey crews who are backed by corporate staff members, including an experienced team of CAD designers. TERRADON's transportation survey group is experienced in

Services

- Mapping
- Construction Layout
- ALTA survey
- Topographic Survey
- GPS Network Control Surveys
- Aerial Mapping
- LiDAR Mapping
- Ground Penetrating Radar
- 3D Mapping

... references ...

We feel that the best way to demonstrate our strengths and leadership in design is by referring to our past and present clients. We have an ever-growing list of repeat clients, which include having multiple renovation projects, living quarters, energy savings, and much more. We are able to respond to their needs, and we are certain that we are able to respond to all of your needs as well. So that you don't only have to take our word for it; here is a list of references that we encourage you to call:



Keep Smiling Family Dentistry
Dr. Don Chapman
2100 Market Street
Wheeling, WV 26003
304 / 232-6956

WVARNG
Robert D. Davis, CPT, OD, WVARNG
CSMS Superintendent
304 / 541-6539

Weirton Elementary School-Based Health Center
Mark Dziatkowicz
Hancock County Schools
2900 Orchard Street
Weirton, WV 26062
304 / 797-1643

Sleep Inn & Suites
Angela Harding
15 Goff Crossing Drive
Cross Lanes, WV 25313
304 / 776-7711
Angela@SleepInnWV.com

Building 55: WV State Office Complex
(LEED Certified)
Gregory L. Melton
WV General Services Division
1900 Kanawha Boulevard East
Charleston, WV 25305
304 / 558-1808

Four S Development
T.J. Summers, CCIM, RPA
P.O. Box 2388
Charleston, WV 25328
304 / 345-8700 x102
tsummers@summcos.com

Dr. Ganzer Medical Office Building
Dr. Greg Ganzer
2101 Chapline Street
Wheeling, WV 26003
304 / 233-3900

West Virginia State University
José U. Toledo, Ph.D.
Associate Vice President for Administration
Research and Public Service
131 Ferrell Hall
P.O. Box 1000
Institute, WV 25112
304 / 766-4290
toledoju@wvstateu.edu

Orrick's Global Operations Center
Will Turani
Orrick, Herrington & Sutcliffe LLP
2121 Main Street
Wheeling, WV 26003
304 / 231-2629

WV Higher Education Policy Commission
Richard Donovan
1018 Kanawha Boulevard, East, Suite 700
Charleston, WV 25301
304 / 558-0281 Ext. 212
Rich.Donovan@wvhepc.edu

... copies of any staff certifications or degrees applicable to this project ...

On this page is a copy of Thomas Worlledge's (*your Project Manager's*) 2019-20 certification from the West Virginia Board of Architects. On the following pages are copies of our firm's various licenses. We can also provide more copies of certifications/degrees/licenses of other Professionals if you wish to see them.

The West Virginia Board of Architects

certifies that

THOMAS R. WORLLEDGE

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2020.



A handwritten signature in cursive script, appearing to read "G. R. ...".

Board Administrator



THIS CERTIFICATE HEREBY CERTIFIES THAT

Thomas Worlledge

HAS OBTAINED THE DESIGNATION OF

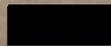
LEED AP BUILDING DESIGN + CONSTRUCTION

BY DEMONSTRATING KNOWLEDGE OF GREEN BUILDING PRACTICES INCLUDING THE
SUSTAINABLE IMPLEMENTATION OF THE LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN
CREDIT PRACTICES INCLUDING SUSTAINING THROUGH™

John R. ...

Patricia ...

May 5, 2010



May 4, 2012





CERTIFICATE

I, Ken Hechler, Secretary of State of the State of West Virginia, hereby certify that

by the provisions of Chapter 31, Article 1, Sections 27 and 28 of the West Virginia Code, the Articles of Incorporation of

McKINLEY & ASSOCIATES, INC.

conform to law and are filed in my office. I therefore declare the organization to be a Corporation for the purposes set forth in its Articles, with the right of perpetual existence, and I issue this

CERTIFICATE OF INCORPORATION

to which I have attached a duplicate original of the Articles of Incorporation.

Given under my hand and the Great Seal of the State of West Virginia, on this

FIFTEENTH day of

DECEMBER 19 89

Ken Hechler

Secretary of State.



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

ISSUED TO:
**MCKINLEY & ASSOCIATES INC
32 20TH ST
WHEELING, WV 26003-3750**

BUSINESS REGISTRATION ACCOUNT NUMBER: **1040-9524**

This certificate is issued on: **06/28/2011**

*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.

atL006 v.4
L0539442304

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

MCKINLEY & ASSOCIATES, INC.

C00366-00

Engineer in Responsible Charge: TIM E. MIZER - WV PE 013169

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2020 - December 31, 2021

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

... proposed staffing plan ...

First and foremost we can state that the McKinley/TERRADON Teams' large professional staffs will devote whatever time is necessary to provide the West Virginia Army National Guard with a successful project. If our project team is chosen for this project; they are available to **start immediately** upon our being selected, and will provide the necessary hours to complete your project on time. The work to be performed by your design team is very clear; **to evaluate, prioritize and design within budget and schedule to meet your 4 project goals and objectives.**

We believe our strength lies in the **quality of the people we employ.** Our seasoned staff has an unsurpassed knowledge of the business and the dedication it takes to make each project a success. All of our project managers, Architects and Engineers, write their own specifications for a project. By doing so, the specifications are written for - and pertinent to - only your project.

The most important element of the entire process becomes **communication** from you to our professionals. We use and welcome your input throughout the project. We continually achieve success in projects by maintaining **time and cost management, quality control and excellent communication** amongst the client, consultants, and contractors.

For a proposed plan, a **kick-off meeting** will start the process, where **interviews will take place to learn what you, the Owner, want in the Building 215 Medical Wing renovations.** This is a very important step as it sets up the remainder of the project. Armed with this information, the McKinley/TERRADON professionals start the process of **schematic drawings (SDs).** This is the first time thoughts are put on paper. At the end of this phase the product is a first look at what the plans might look like, as well as a preliminary cost estimate. **You will have a chance to review these plans.** During the **design development (DDs) drawings** phase, plans start to take shape and changes are made. **You will have a chance to review these plans as well.** Next is the time that the McKinley/TERRADON professionals take all of the information gained from the meetings and the SD and DD drawing phases and produce the **construction drawings (CDs)** and specifications for the project. The CDs provide the tool needed for the contractors to bid the project and information and details necessary to construct the building. Changes become difficult at this point. **Copies of the final documents will be distributed to you for final review and approval.** Afterwards is the actual **bidding** of the project. We will conduct a pre-bid meeting to handle all bidding information as well as conduct the bid opening and reporting. Finally, the **Construction Administration** phase involves the construction of the project. Our professionals now act as your agent and watch over the project. We will work with the contractors to make sure they are building what we designed and specified and are doing it correctly. We handle all paperwork from the contractor and provide the owner with approved pay requests. This phase is very important to ensure that you get what you are paying for.

McKinley Architecture and Engineering is on the forefront of **innovative and energy savings designs.** We approach ecological design from a business perspective, offering proactive solutions to complex problems such as **indoor air quality, energy efficiency, sustainability, and water quality.** For example, when we designed **Building 55: West Virginia State Office Complex,** which is **LEED Certified** - the building's total energy costs and power costs have an annual savings of **\$34,231!** **Function, economics and versatility,** in addition to the development of **strong aesthetic appeal,** are crucial elements in our design process.

We know the McKinley/TERRADON Team possesses the required expertise to address all facets of your included project, and we will provide you with all the disciplines and services needed to make this Medical Wing project a success!

... Descriptions of past projects completed entailing the location of the project, project manager name and contact information, type of project, and what the project goals and objectives and how they were met."

Over the past 35 years, we have had a lot of experience with various medical/health care facilities. Many of these were for medical offices and multiple projects included new floor plans to better accommodate the medical section's needs. In the past 5 years, we have worked at these facilities:

REYNOLDS MEMORIAL HOSPITAL (Moundsville, WV)

- *Physicians' offices/exam rooms
- *Rapid Care Center renovations
- *Emergency Room renovations

KEEP SMILING FAMILY DENTISTRY (Wheeling, WV)

- *Former Library
- *Dental Office Fit-Out
- *Custom Casework & All New Equipment
- *4 Exam/Operatory Rooms
- *A Three-Bay Hygienist Room

WV Department of Health & Human Resources (Wheeling, WV)

- *Former Car Showroom and Service Area
- *Office Building Fit-Out

Weirton Elementary's School-Based Health Center (Weirton, WV)

- *Several Exam Rooms
- *Operated by C.H.A.N.G.E., Inc.'s Family Medical Care

Wilfred R. Cameron Wellness Center (Washington, PA)

- *Feasibility Study
- *Concept Plans
- *2 Studio Renovations
- *Pool Room Renovations/Expansions

Cardinal Health (Wheeling, WV)

- *Structural Study

In addition to those projects we completed in the past 5 years, in the past we have also worked at **St. Clairsville Hospital** (*general renovations*), **Wheeling Hospital** (*design of new Ultra-Sound Suites, renovation of semi-private rooms into private rooms, renovation of Professional Suites, and more*), **Ohio Valley Medical Center** (*renovation of Nurse Residence into Professional Suites, MRI addition, Outpatient Surgical Center*), **Woods Health Center** (*freestanding Clinic & Outpatient Facility*), **Wetzel County Hospital** (*community addition and new emergency department*), **Ohio Valley Professional Building** (*physicians offices build-outs, Outpatient Surgical Center, exam rooms*), **Doctor's Urgent Care** (*freestanding Outpatient Facility*), **Peterson Hospital** (*general renovations*), **VAMC Clarksburg** (*clinical addition, emergency room, surgery and recovery suites, 15-bed ICU, expanded clinical laboratory, pharmacies, primary care outpatient clinics, specialty clinics, and more*), **VAMC Huntington** (*renovation of original hospital into hospital rooms*), **VAMC Butler PA** (*various renovations to Buildings #1, #2, and #3*), and more.

Park Drive Development

Location: Weirton, West Virginia

Contact: Mr. Mark Miller

City of Weirton

200 Municipal Plaza

Weirton, West Virginia 26062

304 / 797-8500 x 1029

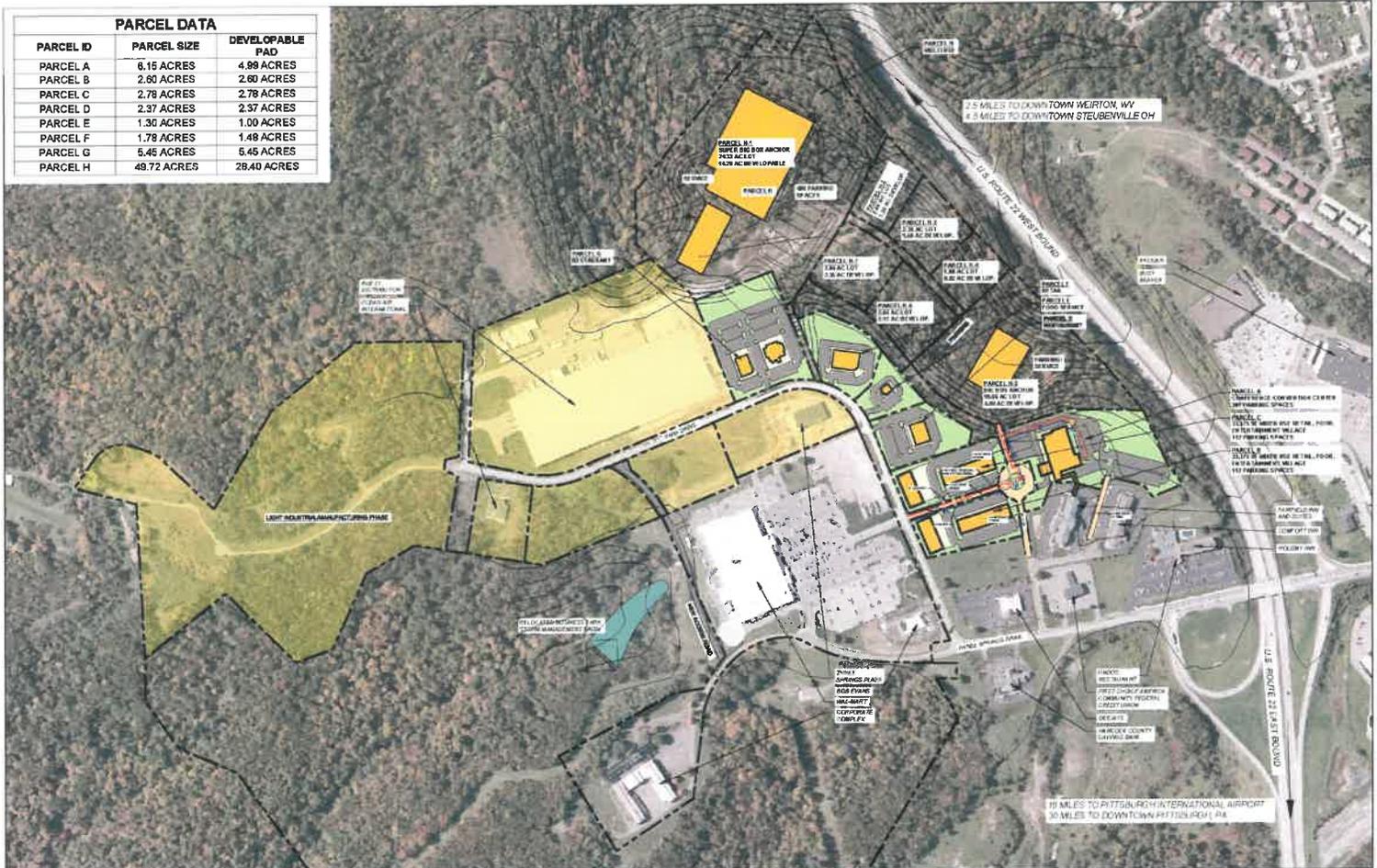
Type of Project: Land Assessment & Development - New Construction - Full A/E Services

Project Description, Goals, and Objectives: McKinley Architecture and Engineering and TERRADON Corporation are currently working together, along with the with the City of Weirton, for their Park Drive / Three Springs Drive development. This project will adhere to TIF & USDA Grant Funds regulations. There are 8 parcels, involving approximately 48 acres of land to be developed. There are 3 Tasks for this project:

TASK #1 - 8,000 feet of ADA accessible sidewalks, with 3 options on lighting (approx. 75 poles) adhering to City of Weirton's Unified Development Ordinance (Section 11.6) and the WVDOT Transportation Alternatives program.

TASK #2 - Site Preparation and infrastructure upgrades to access approximately 20 acres for immediate development and future development of an additional 29 acres along Park Drive. Scope to include site grading, permits, stormwater management, construction of a two lane road, sidewalks and street lighting, and additional segments of access roads and appurtenances.

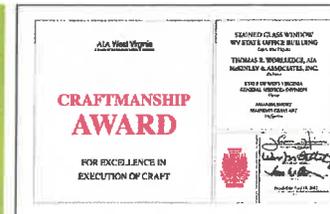
TASK #3 - Developing a master plan for the 20 acres to include retail, residential, restaurant, hotel/ conference center, and public spaces.



Building 55: West Virginia State Office Complex

Location: Logan, West Virginia

Contact: Mr. Robert P. Krause, PE, AIA
State of West Virginia
General Services Division
1900 Kanawha Boulevard East
Charleston, WV 25305
304 / 558-9018



Type of Project: Governmental Building - New Construction - Full A/E Services

Project Description, Goals, and Objectives: City leaders were searching for a catalyst to stimulate community efforts to revitalize downtown Logan, West Virginia. This office building - dedicated on August 16, 2013 - has become that inspiration. **In March 2014, this project became LEED Certified.**

This new 5-story building underscores its major role in the development and revitalization of downtown Logan by uniting office space for 127 employees for 6 State agencies (Department of Health and Human Resources, Division of Rehabilitation Services, the Offices of the Insurance Commissioner, State Tax Department, WorkForce West Virginia, and Workforce Investment Board) under one roof, whom were once scattered throughout the city.

The 53,200 SF building provides current technology, flexibility for future growth, and security features for existing and future tenants. At the request of the Owner, the building was designed to be energy efficient "green" and meet sustainable design goals. To help achieve this, the HVAC system is high efficiency, there is a rooftop energy recovery ventilator, a tight building envelope was created with closed cell foam insulation and thermal efficient windows. One of the unique features of the building is the natural daylight system where we added "light louvers" which redirect daylight to the ceiling and diffuse natural light throughout the space. The open offices were placed around the exterior of the building and the enclosed offices along the interior wall so more of the tenants receive quality light. In addition, interior windows allow the daylight to pass to the center offices. After the project was completed, the firm *alliantgroup* completed an Energy Efficient Commercial Building Tax Deduction study regarding the energy efficient features of the building (seen on the following pages), and they projected the building's total energy costs and power costs to have savings of \$34,231 annually!





September 5, 2014

Sent Via CMRRR: 7013 2630 0000 2069 4021

Mr. David J. Hildreth
West Virginia Department of Administration
900 Pennsylvania Ave., Ste. 500
Charleston, WV 25302

Re: Logan State Office Bldg. – Energy Efficient Commercial Building Deduction

Mr. Hildreth:

alliantgroup has completed an Energy Efficient Commercial Building Tax Deduction study for Logan State Office Bldg. for Massaro Corporation. As required by U.S. Tax Code § 179D, notification must be given to the building owner regarding the energy efficient features of the building and the building's projected annual energy costs.

Below is a list of the energy efficient features of the building which were installed on or in the building as part of a plan designed to reduce the total annual energy and power costs in comparison to a reference building which meets the minimum requirements of ASHRAE (American Society of Heating and Refrigeration, and Air-Conditioning Engineers) Standard 90.1-2001.

Heating, Ventilation, and Air Conditioning Systems:

- Boilers
- Unit Heaters
- Chillers
- Energy Recovery Ventilation

Interior Lighting Systems:

- Fluorescent Bulbs
- LEDs
- Occupancy Sensors

Building Envelope System:

- Pre-Cast Panels
- Rigid Polyisocyanurate
- Gypsum Board

3009 POST OAK BOULEVARD, SUITE 2000 | HOUSTON, TEXAS 77056
www.alliantgroup.com | 800.364.4540

Building 55: West Virginia State Office Complex

The projected annual energy cost for Logan State Office Bldg. was calculated to be \$34,231. Please note that the projected annual energy costs may vary from the building's actual energy costs due to the exclusion of process loads, exterior lighting, variations in occupancy, and variations in usage schedules among other variables.

Please be advised that the amount of the deduction that has been allocated to Massaro Corporation is \$98,658 for the building envelope, HVAC and hot water, and lighting systems in the building. For more information on the allocation of the section 179D deduction, please refer to the U.S. Tax Code § 179D and IRS Notice 2008-40. A copy of the notice can be found at www.IRS.gov

If you have any questions, please do not hesitate to contact me.

Very truly yours,



Rizwan Virani
Managing Director



www.alliantgroup.com | 800.564.4540

West Virginia Army National Guard projects

Location: State-Wide, West Virginia

Contact: Mr. Phillip Emmerth
Environmental Compliance Manager
Wheeling AASF # 2
538 Girtys Point Road
Wheeling, WV 26003
304 / 201-3529



Type of Project: Governmental - Full A/E Services - Multiple Projects

Project Description, Goals, and Objectives: McKinley Architecture and Engineering has completed multiple projects for you, the West Virginia Army National Guard, all around the State, including full A/E design services and construction administration. We have won several contracts over the years, where we were selected to provide Professional Engineer certifications of dozens of SPCC (Spill Prevention, Control, and Countermeasure) Plans and Amendments and Environmental Equivalence Certifications at multiple facilities across West Virginia, such as Eleanor Maintenance Facility, Glen Jean Readiness Center, Wheeling AASF #2, and many more.

For one example, McKinley reviewed and amended the 5 year SPCC Plan at Camp Dawson in Kingwood, Preston County, WV, in both 2012 and 2016. We reviewed the plan to certify that the facility was still in compliance.

Five (5) Year Review to the Spill Prevention Control and Countermeasure Plan – Camp Dawson

I have completed the review and evaluation of the SPCC Plan for Camp Dawson on 27 September 2016 and will amend the Plan as a result.

The following 5 Year Review is certified per 40 CFR 112.5(b)

Engineer: T. E. MERRITT

Signature: 

Registration Number: 13169

State: State of West Virginia

Date: 10 Nov 2016



In addition to the SPCC Plan at Camp Dawson, we have also teamed with Assemblage Architects to create these 2 new buildings at the campus; our involvement in these 2 projects includes HVAC/mechanical, electrical, plumbing, and fire protection engineering, as well as construction administration services:

The new **Mountaineer Challenge Academy** building program includes classrooms, an exercise area/gymnasium, offices, support staff areas, conference, recruiting, and a full service kitchen with dining facility; these spaces will accommodate the 160 young adults/student residents living at **Camp Dawson**. The gymnasium accommodates physical activity, weight training, and serves as the central hub of the complex. Drill exercises and formations, as well as graduation ceremonies are held here. The U-shaped building creates a large, central courtyard which includes a long shed-roof covered pavilion, along with a circular, concrete amphitheater. This courtyard is a multi-purpose outdoor events area for student functions, training activities, drills and formations, educational purposes, receptions, and more. This project won a 2011 WV AIA Merit Award.



The mission of the new **Multi-Purpose Building** is a permanent masonry steel-framed structure that serves as the primary physical training and event space for the **Camp Dawson** residents. This project won a 2014 West Virginia AIA Honor Award. The facility houses a large gymnasium, a physical fitness area, locker rooms, shower facilities, offices, security lighting and fencing, and a unique entry. This project was designed with **energy recovery systems**, as well as **daylight harvesting** in the gym. The gymnasium was based on occupancy of 200 exercising, or 3,500 at rest for events/assembly.

Dr. Ganzer Medical Office Building

Location: Wheeling, West Virginia

Contact: Dr. Greg Ganzer
2101 Chapline Street
Wheeling, WV 26003
304 / 233-3900

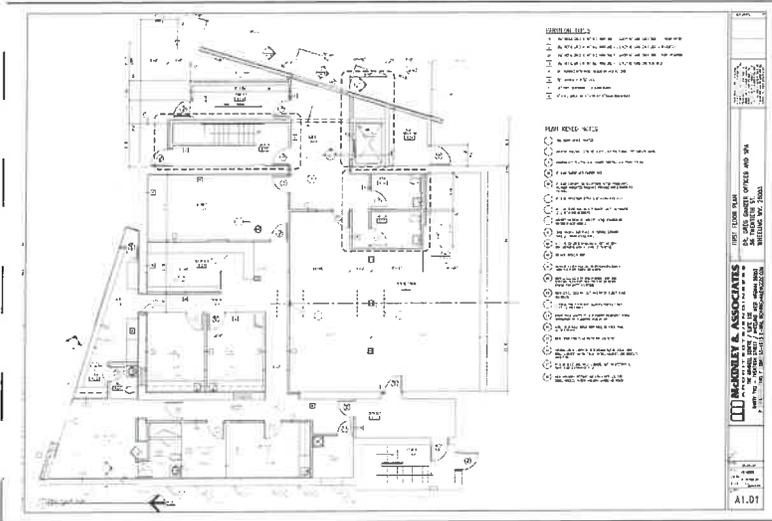
Type of Project: Renovations - Full A/E Services

Project Description, Goals, and Objectives: Renovations were performed on a former 3-story YMCA Building purchased by Dr. Ganzer. McKinley Architecture and Engineering was responsible for all **Architecture and Engineering Design and Construction Administration** on this 15,000 SF Medical Office Building. The \$1.5 million project was completed in two phases, and included a **Medical Spa and Cosmetic Center, Medical Offices for Dermatology Practice, Exam Rooms, Treatment Rooms, a Nurse's Office and a Doctor's Office.** A new elevator was added, and the two stairwells were renovated. There was demolition of another building on the property, and a **parking lot was designed.** Skylights were used throughout the building to bring in natural daylighting.

The first floor includes 2 procedure rooms with casework and exam tables, a doctor's office with private restroom, nurse's room with private restroom, a light room with casework, a waiting room

with reception area (which was to look business-like rather than medical, and included a plasma TV, modern high-quality furniture, and a fine coffee/beverage service counter), book keeping room, public restrooms, mechanics and electrical rooms, and room for future expansion. The exam rooms, laser treatment room, and light room needed extra HVAC attention for exhaust air.

The second floor includes 6 medical spa rooms, an office with private restroom, a consultant's room, a cosmetics room, waiting room, kitchen/lounge/break room, other private and public restrooms, and a storage area to name a few.



BEFORE and AFTER

Beckley Veterans Affairs Medical Center

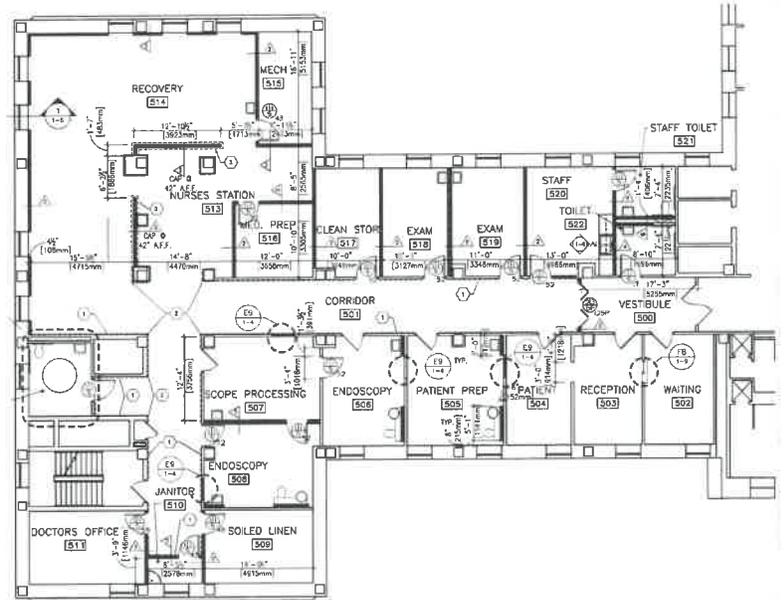
Location: Beckley, West Virginia

Type of Project: Governmental - Renovations - Full A/E Services

Project Description, Goals, and Objectives: For the Department of Veterans Affairs, McKinley Architecture and Engineering has completed over a dozen successful projects for six Veterans Affairs Medical Centers in West Virginia and Pennsylvania.

For one example, for the VAMC in Beckley WV, we completed a Same Day Surgery Center & Recovery Suite, an Oncology Center, and more. These projects included a renovation of the central computer room, motion-sensing lighting controls, an addition for specialty clinics, and a renovation of recovery area for outpatient surgery. Total cost was \$1.5 million.

The Oncology renovation's scope of work was to renovate the existing Oncology Unit to provide additional square footage to the clinic stations for direct patient care privacy issues and upgrading their antiquated equipment. This Oncology Center is located on the first floor of their Medical Center Building 1. This included **doctors offices**, **privacy exam/treatment rooms**, the Oncology Manager's office, supply rooms, waiting room with receptionist area, staff areas, and **multi-patient treatment rooms**. The Oncology Center is a specialty area which is separated from rest of hospital; because of this, the patients had easy access, and they did not have to go through other clinics to get to it. Project included associated **electrical** and **plumbing** systems, and connecting tie-ins to existing systems.



In addition to the Oncology Center, offices from their **Police Section** had to be relocated to their main building courtyard area. This included **renovations**, site preparation, concrete placement, **structural installation**, interior finishes, as well as **mechanical and electrical work**. This included offices for the Chief of Police, the Assistant to the Chief, and future offices, a locker/break room, an operations area, weapons/storage room, and a holding cell.



The Same Day Surgery Center & Recovery Suite involved **relocating the existing library** to the stage area behind the chapel. In that old library, we created a new Same Day Surgery Center & Recovery Suite with **exam rooms**, **cleaning/prep areas**, **procedure rooms**, **doctors rooms**, **Nurses Station**, patient waiting areas, counselling rooms, and more. This included **HVAC**, **electrical**, and **plumbing systems**. These projects added to the convenience of the spaces, and placed the treatment and the recovery areas on the same floor; therefore, it allowed the patients to feel more comfortable.

Dr. Don Chapman D.D.S. - Keep Smiling Family Dentistry Office

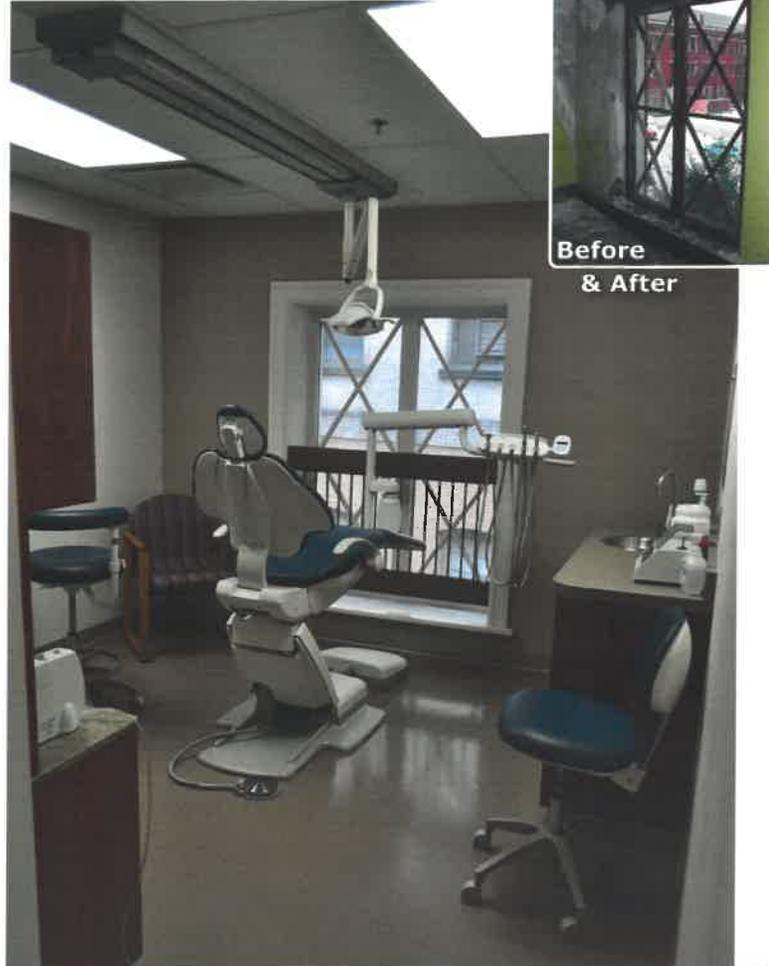
Location: Wheeling, West Virginia

Contact: Dr. Don Chapman
2100 Market Street
Wheeling, WV 26003
304 / 232-6956

Type of Project: Total Renovations - Full A/E Services

Project Description, Goals, and Objectives: Dr. Don Chapman's Keep Smiling Family Dentistry Office opened in January 2013. This dental office suite is located in Bennett Square business center; a historic 3-story, 22,000 SF building (the former Ohio County Public Library). The rehabilitation of Bennett Square includes multiple phases, and this dental office was completed in Phase 3. Phases 1 & 2 house "Class A" office space in beautifully restored surroundings.

The dental office is a fit-out on the second floor. Work included new and relocated equipment, an x-ray machine and dental chairs. Custom casework, track lighting, specialty HVAC, special electrical and data, special plumbing for gases and a central dental dry vacuum system were also integrated into the design. Planning for Dr. Chapman's office included business offices, exam/operator rooms, hygienist room, x-ray room, sterilization room, lab, laundry, lounge and a waiting/reception area. We were able to highlight important architectural features while also providing a sensitive atmosphere for the patients. All of these spaces were integrated into an existing interior historic building context; the building is located in the Centre Market Square Historic District in the National Register of Historic Places. tired or dated. While LEED certification is not a project requirement, all material and finish selections, in addition to meeting practical criteria, also consider sustainability aspects.



Weirton Elementary School-Based Health Center

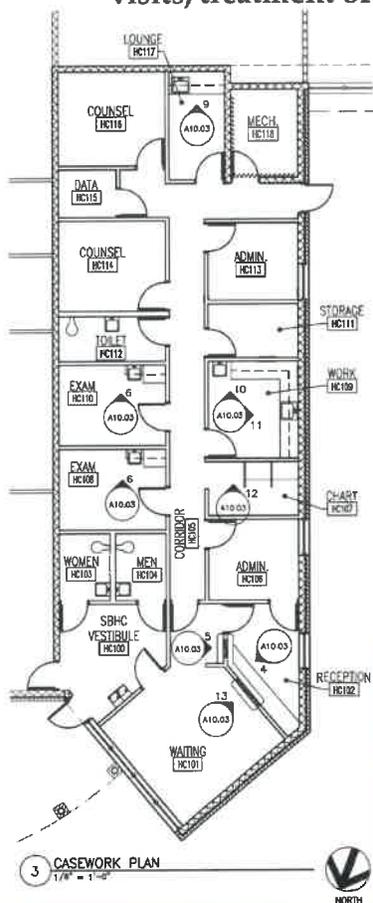
Location: Weirton, West Virginia

Contact: Mr. Mark Dziatkowicz
Facilities/Maintenance Director
Hancock County Schools
2900 Orchard Street
Weirton, WV 26062
304 / 797-1643

Type of Project: New Construction - Full A/E Services

Project Description, Goals, and Objectives: The new \$26.5 million Weirton Elementary School is the largest elementary school designed in the state of West Virginia. We incorporated **multiple "green" components** into this 105,000+ SF building. These include **high efficiency boilers, energy recovery wheel, desiccant wheel, chilled beam system, Variable Frequency Controllers** to reduce fan energy, **low flow plumbing fixtures, energy monitor on the main electrical gear, dimmable lighting with occupancy sensor control, and T-5 & T-5 HO fluorescent bulbs** used as primary light sources throughout school to name a few. All of this has been accomplished with only one-third of 1% in total change orders!

The school houses the first school-based health center in the Northern Panhandle, which is operated by C.H.A.N.G.E., Inc.'s Family Medical Care, a Federally Qualified Health Center. We designed the layout, as well as the casework. The 2,132 SF center features several exam rooms and will provide pupils with limited treatment when necessary, including wellness checks, primary care, dental screenings, immunizations and behavioral health counseling. No pupil will be sent to the health center without express written permission from a parent. Primary Care services include well-child visits, treatment of illness or injury, immunizations, prescription medications, health education & counseling, as well as fitness & nutrition education. Dental Health services include oral screenings, dental education and preventative care. Mental Health services include anger management, anxiety, crisis intervention, childhood behavior & academic problems, depression, family conflict, therapy, grief counseling, medication management, sleep problems, and substance abuse.

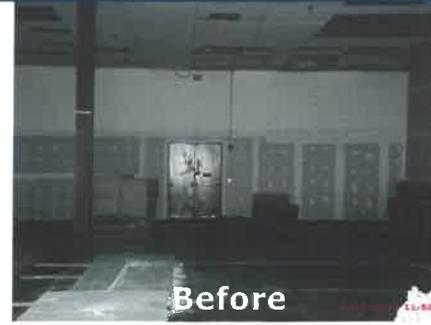


The Ryan Ferns HealthPlex

Location: Benwood, West Virginia

Type of Project: Total Renovations - Full A/E Services

Project Description, Goals, and Objectives: This project is a **renovation/adaptive reuse of an old furniture store** located in a shopping center, into a **new multi-purpose Health Complex facility**. This is a 24 Hour Fitness Center, a CrossFit Training facility, and a **Physical Therapy Clinic** all-in-one. This project was designed with ADA compliance, electrical, HVAC/mechanical, & plumbing systems. It was fast-tracked to meet the Owner's move-in requirements.



The **24/7 Wellness/Fitness areas** include an indoor walking track, exercise equipment rooms (cardio, strength training machines, free weights, etc.), "open" group exercise rooms (for cross fit, zumba, boot camp, etc.), and locker rooms. **We had to design the exercise rooms to fit their equipment needs.** There are rubber floors and 14' ceilings throughout. The Men's and Women's locker rooms both have 2 private showers, multiple lockers, and restrooms. One unique feature is the entrance to this area has an air curtain, which is designed to prevent the penetration of outside, unconditioned air (prevents hot or cold air from entering, as well as flying insects, dirt, etc.), while at the same time circulates and maintains the inside conditioned air, which stabilizes the environment and eliminates hot/cold spots near building entryways, helps with energy savings, improves sanitation levels, and increases comfort for customers and employees.



The **Physical Therapy Clinic** includes a reception area, **2 offices, 3 evaluation/examination rooms**, a break room/conference room, an "open" work room, laundry, restrooms, and more. This has a separate entry, since it has hours of operation (it isn't open 24-hours like the other areas). We **custom-designed** the reception desk, casework, cabinetry, and more. In addition, a **42' x 42' therapy area** is adjacent, and has treatment tables, physical therapy supplies (exercise balls, balance equipment, etc.), and we designed the space to include their new HydroWorx 500 Series pool with an underwater treadmill and underwater camera with LED display. From this, we designed the HVAC to have a special dehumidification unit for the therapy pool room. There is an adjacent toilet/locker room to the therapy area, and a toilet/shower/locker room adjacent to the therapy pool area.

WV Department of Health & Human Resources' new Ohio County office

Location: Wheeling, West Virginia

Type of Project: Governmental - Total Renovations - Full A/E Services

Project Description, Goals, and Objectives: We were asked by our client to **renovate a car showroom and service area into an office building** (now called the Mary Margaret Laipple Professional Building). **The first fit-out includes space for the Department of Health and Human Resources (DHHR).** The **56,783 SF building** was concrete and designed for cars; not people. The first challenge was to remove a large ramp that connected two floors of the building and level the concrete floors. **We worked with our client to fit the DHHR's program into the space and maximize the use of the space.** We had to work around the existing structural walls and columns and provide fire escapes at the different floor levels of the floor structure.

The initial \$2 million fit-out project was built in **three phases:** the exterior was completed first (including new skin, doors, windows, etc.), next the interior, and then the parking lot so the project could be fast tracked to meet the Owner's 2013 move-in requirements. We worked with the local and State code officials to bring the building into compliance with the current building and fire codes and provide access to all of the occupied areas of the

building. We worked with the owner of the building to allow a separate entrance for future tenants of the upper two floors and to keep the renovation cost to a minimum while providing a state of the art facility for the DHHR's use.

The showroom **windows** were mostly in-filled because of the sensitive nature of the materials in the DHHR's office, but windows high on the wall provide **natural daylight** in the space. The fit-out was divided into **three distinct spaces: secure office space, Client space, and training areas.** The Office space is secured from the client area by an **access control system.** The training space was designed to be stand alone for use by other State staff training.



**BEFORE
and AFTER**



**BEFORE
and AFTER**





TERRADON Corporation completed site planning and site civil engineering for the 83,900 Square Feet Armed Forces Readiness Reserve Center in Eleanor, WV.

The site is home to stationed units: 111th Engineer Brigade (WVARNG) (the largest brigade in the WVARNG), Troop B, 1st Squadron, 150th Cavalry Regiment (WVARNG), 3664th Ordnance Company (WVARNG), and Detachment 3, Company D, 230th Brigade Support Battalion (WVARNG).

The WVARNG negotiated with the US Army Corps of Engineers for the site (with the maintenance center) totaling 43 acres at the base of the Winfield Locks and Dam site in Eleanor, WV. The building is located adjacent to the new Maintenance Facility on the site, with the main entrance facing east toward the main access to the site. The orientation of the building takes advantage of views of the wetland area and the Kanawha River. The Armory houses units of the state Army National Guard and one unit of the Navy.

Project Owner

WVARNG



TERRADON Corporation provided full service site civil engineering services for the design and completion of the WVARNG Eleanor WV Maintenance Center.

The Eleanor Maintenance Complex, in Eleanor, WV, is a 132,000 square foot state-of-the-art repair and maintenance facility for the West Virginia Army National Guard (WVARNG). The specially designed Army "Combined Logistic Support Facility" will house the Combined Support Maintenance Shop (DSMS), an Organizational Maintenance Shop (OMS) and United States Property and Fiscal Office (USPFO) parts and storage warehouse.

The facility provides a full range of maintenance support for all WVARNG military vehicles throughout the state. It includes 28 maintenance work bays with overhead bridge cranes, an engine rebuild shop, a body shop with blast and paint booths, a carpentry shop, a machine shop, a canvas shop, a small arms repair shop and an electrical communications repair shop. The facility also has specialized testing capabilities in the form of an engine transmission dynamometer.

Additionally, TERRADON provided services for the WVARNG Gate House and Tank Road at the Eleanor, WV site.

Project Owner

WVARNG



TERRADON Corporation provided Environmental, Geotechnical and Survey services to the West Virginia Department of Administration for the State Office Building located in Fairmont, West Virginia.

TERRADON's Environmental team provided phase 1 and phase 2 Environmental site assessments (ESA) for the site. Phase 2 ESA consisted of soil and ground water sampling and pesticide wipe sampling. The team also conducted asbestos survey and lead-paint survey. For the project, TERRADON prepared quantities for bid documents and provided over sight for demolition and abandonment. TERRADON's Geotechnical experts conducted investigation of existing filled basements and foundation investigation and design of the Fairmont building site.

Project Owner

WV Department of
Administration



TERRADON Corporation provided engineering design services for the Arthur Weisberg Family Applied Engineering Complex (AEC), a 152,000 sqFt facility, located on Third Avenue. The state of the art facility houses six different academic and research programs and is one of Marshall University's newest facilities.

Marshall boasts the four story facility to be organized to promote collaboration between the university's colleges and research corporations. A central four-story atrium serves as a window into the building. The complex's scale and the materials of brick and cast stone are consistent with adjacent campus architecture.

TERRADON's site civil engineering team provided LEED expertise for the project. The project is pursuing LEED Silver certification via sustainable features as teaching tools. Stormwater collected from roofs will be used for teaching and research projects and will also be recycled for one of the restrooms in the building. A Green Roof above the Advanced Material and Testing laboratory will reduce the amount of stormwater discharged while providing an opportunity to study the ecological effects of stormwater and associated plantings.

The AEC facility is the first LEED building in the city of Huntington. The AEC facility was built with the intention of it being open and accessible to the public to demonstrate its concepts of sustainability that were incorporated early in the design of the project. The following are the concepts that Marshall University viewed as priority for achieving LEED Silver certification:

- Sustainable Sites
- Water Efficiency – Green Roof
- Energy and Atmosphere
- Materials and Resources
- Indoor Environmental Quality
- Innovation and Design Process
- Regional Priority Credits

Project Owner

Marshall University

Per your request in "General Terms and Conditions" Part 8, here you will find copies of our various Insurance Coverages:

ACORDTM

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
01/02/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Pauli Associates 1311 Chapline Street P. O. Box 990 Wheeling, WV 26003-0123	CONTACT NAME: PHONE (A/C, No, Ext): 304.233.3303 FAX (A/C, No): 304.233.3333 E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:	
	INSURER(S) AFFORDING COVERAGE	
INSURED McKinley & Associates Inc See Below Additional Named Insured 32 - 20th Street Ste 100 Wheeling, WV 26003	INSURER A: Cincinnati Insurance Co.	NAIC # 10677
	INSURER B: Brickstreet Ins	Brick
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER: 2019-2020 CERTIFICATES** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY			EPP/EBA0146335	06/15/2019	06/15/2020	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000
	<input checked="" type="checkbox"/> CONTRACTURAL LIAB						PERSONAL & ADV INJURY \$ 1,000,000
GENL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC							GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY			EPP/EBA0146335	06/15/2019	06/15/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident) \$
<input checked="" type="checkbox"/> HIRED AUTOS						\$	
<input checked="" type="checkbox"/> NON-OWNED AUTOS						\$	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB			EPP/EBA0146335	06/15/2019	06/15/2020	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> EXCESS LIAB						AGGREGATE \$ 1,000,000
	<input type="checkbox"/> DEDUCTIBLE						\$
	<input type="checkbox"/> RETENTION \$						\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WCB1018014	12/30/2019	12/30/2020	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A	PA EL INCLUDED WV BROAD FROM EL			E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
	DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	BLANKET WAIVER OF SUBROGATION			WCB1018014	12/30/2019	12/30/2020	INCLUDED

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 CERTIFICATE ISSUED AS PROOF OF INSURANCE
 MCKINLEY ARCHITECTURE AND ENGINEERING, MCKINLEY ARCHITECTURE AND ENGINEERING LLC
 MCKINLEY ARCHITECTURAL SERVICES, INC.
 WILLOW GLEN CAPITAL
 FORT HENRY LLC
 CERTIFICATE HOLDER

MCKINLEY & ASSOCIATES, INC. ATTN: LISA DICARLO 32 - 20TH STREET STE 100 WHEELING, WV 26003	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Lisa C. Dicarlo IV 1/2/20 Jm</i>

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ACORD 25 (2009/09)

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

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

Proc Folder: 700460

Doc Description: Building 215 Medical Wing Renovation Camp Dawson

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-03-16	2020-04-02 13:30:00	CEOI 0603 ADJ2000000006	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

*000000206862
 McKinley Architecture and Engineering
 32 20th Street - Suite 100
 Wheeling, WV 26003
 (304) 233-0140

FOR INFORMATION CONTACT THE BUYER

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

Signature X

FEIN # 55-0696478

DATE 10 April 2020

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

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



(Name, Title)

Ernest Dellatorre, President

(Printed Name and Title)

32 20th Street - Suite 100, Wheeling, WV 26003

(Address)

(304) 233-0140 | (304) 233-4613

(Phone Number) / (Fax Number)

edellatorre@mckinleydelivers.com

(email address)

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

McKinley Architecture and Engineering

(Company)



(Authorized Signature) (Representative Name, Title)

Ernest Dellatorre, President

(Printed Name and Title of Authorized Representative)

10 April 2020

(Date)

(304) 233-0140 | (304) 233-4613

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI ADJ2000000006

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)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> 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.

McKinley Architecture and Engineering

Company



Authorized Signature

10 April 2020

Date

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



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

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

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 (304) 558-2544
 tara.l.yle@wv.gov

Signature X



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