



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
Telephone: 304-558-2306
General Fax: 304-558-6026
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header

List View

General Information | Contact | Default Values | Discount | Document Information

Procurement Folder: 146145

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0310

Vendor ID: 000000205388

SO Doc ID: DNR1600000003

Legal Name: WILLIAMSON SHRIVER ARCHITECTS INC

Published Date: 10/21/15

Alias/DBA:

Close Date: 11/10/15

Total Bid: \$0.00

Close Time: 13:30

Response Date: 11/09/2015

Status: Closed

Response Time: 14:35

Solicitation Description: Addendum; A&E SVC's Chief Logan Cabins and Picnic Shelters

Total of Header Attachments: 0

Total of All Attachments: 0



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

**State of West Virginia
 Solicitation Response**

Proc Folder : 146145

Solicitation Description : Addendum; A&E SVC's Chief Logan Cabins and Picnic Shelters

Proc Type : Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
	2015-11-10 13:30:00	SR 0310 ESR11091500000002122	1

VENDOR

000000205388

WILLIAMSON SHRIVER ARCHITECTS INC

FOR INFORMATION CONTACT THE BUYER

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

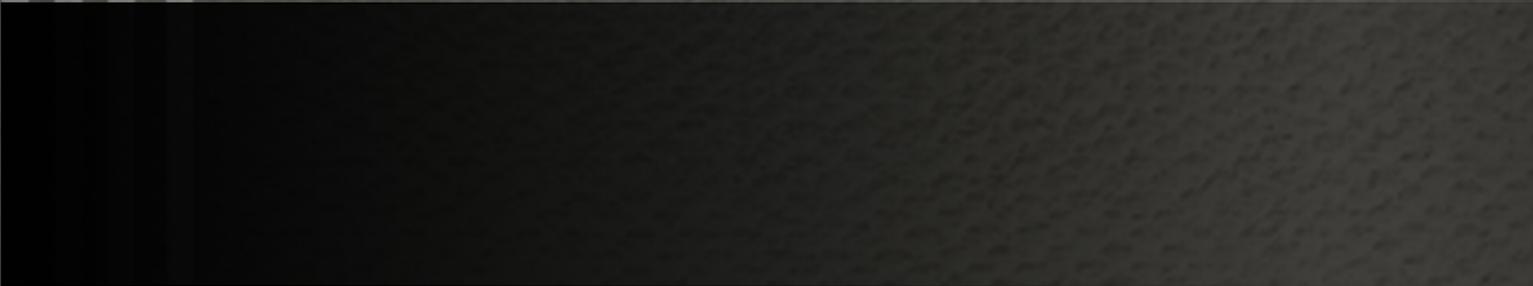
Signature X **FEIN #** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Architectural engineering				

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description : AE Services for Chief Logan Lodge Cabins and Picnic Shelter Project



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November 10, 2015

Mr. Guy Nisbet
Department of Administration
Purchasing Division
2109 Washington Street, East
Charleston, West Virginia 25305

Re: Expression of Interest
DNRI600000003/Chief Logan Cabin Project and System Wide Picnic Shelter Project

Dear Mr. Nisbet:

Williamson Shriver Architects, Inc. is excited to have the opportunity to express our interest and submit our qualifications for performance of architectural and engineering services for the Chief Logan Cabin and System Wide Picnic Shelter Project. Our firm has considerable experience designing and providing construction administration services, having completed over 400 design projects over our firm's 30 year history throughout West Virginia.

Our success stems from our firm's most important design philosophy – listening. We spend the time to listen and learn from our clients, and incorporate what we learn to formulate designs that enhance our clients operations ... and bottom line. The lines of communication are always open and flowing between our project team and the owner. We dedicate ample time in the beginning of a project to ensure that our client's goals and vision is understood by our team and that our design is inspired by your vision.

Please find attached our unpriced prospectus which includes all of the information requested in your RFP. We are appreciative for the opportunity to submit our credentials to the WVDNR for your consideration. However, our interest is not about simply 'working on a project'. More importantly, our desire is to build a relationship with the Division of Natural Resources. Success in this endeavor is not about simply meeting your expectations, but rather, exceeding them.

We are hopeful to be selected for an interview where we can present our experience in greater detail. Thank you for your consideration.

Sincerely,

WILLIAMSON SHRIVER ARCHITECTS, INC.

Gregory A. Williamson AIA • LEED AP
Architect / President

Sarah J. Petry
Marketing Assistant

Williamson Shriver Architects, Inc.

717 Bigley Avenue Charleston, West Virginia 25302, 304.345.1060 Fax 304.345.3693 www.wsgarch.com

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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 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.

Williamson Shriver Architects, Inc.

Company

Authorized Signature

Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

DEFINITIONS:

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

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

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Williamson Shriver Architects, Inc.

Authorized Signature: [Signature] Date: 11/4/2015

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 4th day of November, 2015.

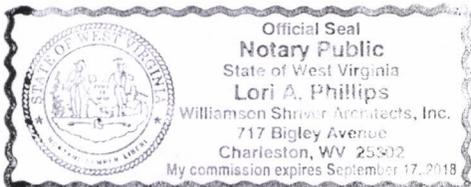
My Commission expires September 17, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 08/01/2015)



CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, 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.

Williamson Shriver Architects, Inc.

(Company)



(Authorized Signature) (Representative Name, Title)

304-345-1060, 304-345-3693, Nov. 10, 2015

(Phone Number) (Fax Number) (Date)



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Williamson Shriver Architects

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Sustainable Design

Williamson Shriver Architects is committed to implementing appropriate sustainable design principals on every project, whether or not the project is seeking LEED Certification. The holistic design undertaken through these sustainable practices enhance the bottom line of our clients through energy savings and life cycle cost benefits.

Our projects typically include these and other innovative sustainable practices:

Sustainable Sites

- Proper building orientation
- Site selection with low environmental impact
- Reuse or reclaim existing uses
- Innovation in stormwater management
- Minimize heat island impact

Water Efficiency

- Water use reduction
- Indigenous, water-efficient landscaping

Energy Efficiency

- Meet or exceed code required energy performance

Materials and Resources

- Support recycling strategies
- Existing building reuse strategies
- Use of appropriate recycled materials
- Incorporate regional materials

Indoor Environmental Quality

- Meet or exceed minimum indoor air quality requirements
- Encourage use of Building Automation Systems
- Meet or exceed minimum ventilation requirements
- Incorporate low VOC products
- Incorporate lighting controls
- Incorporate views and daylighting where feasible



Spring Mills Primary School



Eastwood Elementary School



Gilmer County Elementary School



(Target)

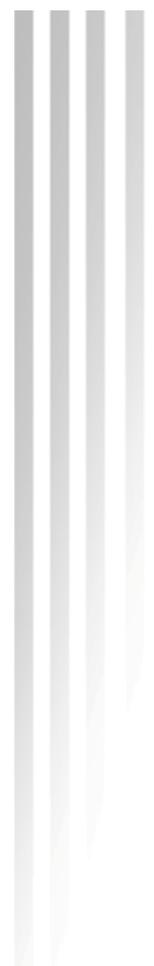
LEED Accredited Professionals:

Gregory A. Williamson AIA LEED AP
 Ted A. Shriver AIA LEED AP BD+C, REFP
 Paul R. Kleykamp AIA LEED AP BD+C

US Green Building Council

Williamson Shriver Architects, Inc. is a member firm of the US Green Building Council





Client-Focused Philosophy

Williamson Shriver Architects is a mid-sized firm but with a small-firm attitude of service to our clients. Partners Greg Williamson and Ted Shriver, are actively involved in all aspects of all the firm's projects from concept to completion. To ensure consistency of quality design, all planning and design concepts originate under the direct supervision of the partners.

The following points best represent our philosophy of client-focused and community centered design:

Interactive Design / Programming Process

We believe that good design comes from good listening. We continually stress the importance of involving the building users throughout the design process and facilitating their input into the final program and design. This starts with the schematic "big picture" design concepts

IT IS VITALLY IMPORTANT THAT THE PROJECT BUDGET, PROGRAM, AND OUTCOME EXPECTATIONS ARE COMPATIBLE FROM THE OUTSET.

and continues all the way through the process to interior design and furniture selection. This is accomplished through a variety of methods including presentations, design charrettes, interior and exterior 3D concept modeling, and general discussions and feedback. We believe that our track record of highly successful buildings is directly attributable to this inclusive and interactive process.

Sustainable Design

Multiple members of Williamson Shriver Architects team are LEED Accredited Professionals with experience in a number of LEED Certified facilities, including Spring Mills Primary School, West Virginia's first newly constructed LEED Gold Building. Eastwood Elementary School has also received LEED Gold certification. However, whether or not LEED Certification is



being sought, we believe that architects, engineers, designers have a duty to provide services in a sustainable manner - selecting materials and systems with respect to their impact upon environment as well as to minimize energy usage costs for our clients. Our team commits to bring this attitude to all aspects of this project.

Cost Control

It is vitally important that the project budget, program and outcome expectations are compatible from the outset. Once the initial project budget and project scope is established and agreed upon, all future cost estimates and design decisions will be measured against that budget and program. As indicated herein, further cost evaluation will be performed at the completion of schematic and design development drawings, and at 75% completion of contract drawings. Between formal estimates, the design team is constantly evaluating design and materials/specification alternatives in an on-going effort to achieve the project goals in a cost effective manner and to maximize the value of the funds available for the project.

Design Technology

All of our major consultants use Autodesk Revit, a Building Information Modeling (BIM) software product. As a result, BIM will be utilized

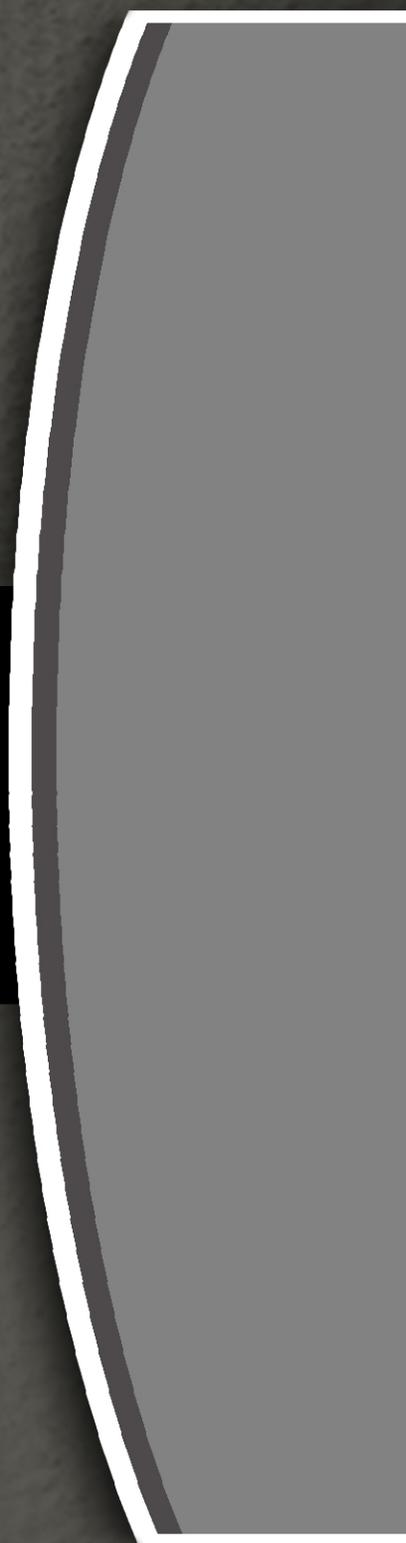


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Project Approach

On this project, Gregory A. Williamson, AIA will be the Partner-in-Charge and will directly oversee all design activities as well as be the main point of contact with the Owner. Directly under his leadership, Dana Scarberry will serve as Project Manager, and will be assigned with the responsibility to produce documents and specifications based upon the design as well as to coordinate all team member activities and contributions to the project.

For this project, Williamson Shriver Architects will team with two firms specifically selected to provide the most comprehensive, highest quality specialty services relating directly to the proposed scope of work for the Division of Natural Resources Chief Logan Cabin Project and Systemwide Picnic Shelter Project.

- Terradon Corporation, of Nitro WV, specializing in site design, landscape architecture, land planning, civil engineering, and surveying services.
- Allegheny Design Services, a Morgantown, WV consulting engineering firm who will provide HVAC, electrical, and plumbing services.

The following are the Williamson Shriver Architects team's responses to the requested qualifications and experience information from Section 2.1 starting on page 10 of the RFP.

a. The successful firm or team should demonstrate a clear procedure for communication with the Owner during all phases of the project.

To provide quality and responsive A/E design services and to complete the project effectively on the WVDNR's behalf, Williamson Shriver Architects will communicate promptly and regularly with the Owner's project representatives throughout the life of the project.

Communication Plan

In the programming phase, prior to the initiation

of design phases, discussions will commence immediately after retention to discuss the Owner's goals, budget and financing, schedule, and operations of these completed facilities. Through this conversation, we will gain an initial understanding of the Owner's vision of the completed project as well as to learn of opportunities and/or constraints of which the Owner is aware. At this point, it may also be helpful to conduct visits with the Owner to existing similar facilities – both within and outside of the State of WV – in order to review good and bad examples of similar facilities. This experience will foster conversation between the project team and the Owner regarding many facets of the design, may lead to the incorporation of previously unconsidered options to improve the final completed facilities, and will help the design team better understand the Owner's project goals.

During the design phases, these discussions will continue in order to substantiate to the Owner the progress of the project design and construction and allow the Owner to participate in decision making. We propose that bi-weekly design collaboration meetings be conducted with the Owner and all consultants present at a location selected by the Owner. This will allow the Owner direct knowledge and understanding of the progress of the design work and keep the Owner "in the loop" as to:

- Design and feature options currently under consideration;
- Issues which have arisen since the previous meeting and steps taken to resolve them;
- Product and system selections;
- Status or advance notice of decisions yet to be made;
- Constructability of the proposed design;
- Operation and maintenance of the pro-

Project Approach (continued)

- posed design;
- Cost implications of the proposed design vs. the budget.
- Construction schedule implications of the proposed design;
- And many other potential agenda items.

Additionally, the Owner will be copied on inter-team communications and emails between team members to assure that they have a complete understanding of the status of the project at all times.

During the Construction Phase, project meetings will continue on a bi-weekly basis with the design team representative(s), the Owner, and the contractor present. We will continue to communicate regularly with the Owner, and will continue to copy emails and other correspondence to the Owner and involve the Owner in RFI response decision-making including any design alterations which may become necessary.

Availability and Responsiveness

The project team members commit that they will be available and responsive to the Owner. We pledge to return phone calls and emails as expeditiously as possible, but in no case later than the next business day.

b. The successful firm or team should demonstrate a history of projects that met the Owner's budget and a clear plan to ensure that this project can be constructed within the project budget. This plan should be described in detail.

Budget History

Williamson Shriver Architects has a thirty year history of success in working within our clients' budget. We have completed projects throughout all regions of the State of WV, and have an extensive database of these regional costs. Over the last five years, our firm has bid 53 projects of all sizes and types (new construc-

tion, additions, and/or renovations). Of these, 75 percent have come in at or below our client's budget. Of those projects not meeting the budget, all but 3 of these were within the 10% industry benchmark. Where bids have not been in compliance with our client's budget, we have consistently worked to reduce budgetary impact on these projects with no additional compensation.

Budget Control Plan

A successful project begins by establishing clear goals and objectives, and confirming their feasibility from a budgetary, schedule, constructability, and operations and maintenance perspective. As described elsewhere in this project approach, communication between team members and the Owner from the outset is critical. We will provide as accurate estimates as possible from the earliest design stages. This will allow the Owner and design team to make more informed and realistic design choices and product / system selections. Cost estimates in the schematic phase will likely be square footage based using national cost data publications such as R.S. Means. However, as we move further into the design phases, upon approval of the Owner, we propose to retain an experienced cost analyst with experience in construction estimating to verify design / budget compatibility. These estimates will be proposed to be performed at the following intervals:

- For each variation or design option in schematic phase;
- At the conclusion of schematic phase;
- At the conclusion of the design development phase;
- At 50% completed construction documents phase; and
- At 95% completed construction documents phase, allowing for final adjustments

Project Approach (continued)

to the design to comply with the budget.

c. The successful firm or team should demonstrate a history of projects that have been constructed in the time allotted in the contract documents and a clear plan to ensure this project will be constructed within the agreed construction period. This plan should be described in detail.

Schedule Compliance History

Williamson Shriver Architects has a thirty year history of success in meeting our client's design and construction schedules. A large majority of our work is funded by a state agency which requires compliance with fixed design schedules, and imposes financial penalties for failure to comply. Williamson Shriver Architects has met these schedules on every project undertaken for this agency. We commit this same schedule responsiveness to the WVDNR on this project.

Scheduling Plan

Williamson Shriver Architects proposes that a comprehensive project schedule be jointly developed, with input from the WVDNR and all project team members, immediately after retention. The schedule should recognize all of the known phases and events that could impact the project, including financing, planning, design, permitting, construction, closeout, move-in and start-up. Appropriate contingencies should be incorporated into this schedule to allow for unforeseen events.

With respect to the design phases included in this schedule, these phases should be broken down into interim milestone dates which should be specifically enumerated in the final contract between the Owner and Architect, and which are consistent with the overall project construction completion schedule. In the event that the design team would fall behind in meeting any of these interim dates (at the fault of the design team), we will implement a recovery plan which may include, but not be limited to, working overtime and/or adding resources

to get the design of the project back on the established schedule. This will be undertaken with no increase in compensation.

Schedule control during construction phases will be maintained by establishing and enforcing tight requirements in the project construction documents. Supplementing the WVDNR's extensive knowledge of the construction process, the architect's contract administrator and management staff, as well as all project team leadership, have extensive experience in the administration of construction contracts. This knowledge aids us to generally recognize whether construction of the project is in compliance with the schedule. We will take appropriate steps to document the progress of the work, and to notify the contractor immediately if the work is considered to be behind schedule. Additionally, we will intricately review and evaluate the contractor's application for payment to verify that the constructed work in the field is accurately represented. If acceptable to the Owner, liquidated damages clause will be included in the project bidding and construction documents as an incentive for the contractor to complete construction within the established owner-approved schedule.

d. The successful firm or team should demonstrate competent and acceptable experience in all expected professional disciplines necessary for the design and completion of the project.

An organizational chart of our proposed team members is included in Tab 2. The experience of all of our team members is included in this document under Tabs 3, 6, and 7.

Organizational Chart

**West Virginia Division of
Natural Resources**

Gregory A. Williamson AIA
Partner / Designer
Architect of Record

Ted A. Shriver AIA
Partner / Quality Assurance

Architectural Design

Dana K. Scarberry
Project Manager

Structural Design

Donald W. Beyer PE
Structural Engineer

Mike Nichols
Structural BIM Production

**Construction Contract
Administration**

Steven W. Gibson
Contract Administrator

**Allegheny Design
Services**

Gary (Mike) Chancey PE
MEP Department Manager

David A. Cotton, Jr. PE
Senior Mechanical Engineer

David A. Smith EIT
Jr. Electrical Engineer

Alexander L. Clarkson, Jr.
Jr. Mechanical Engineer

Terradon Corporation

Greg Fox ASLA
VP Land Development

Peter J. Williams ASLA
Landscape Architect

Jim Nagy PE
Utility Infrastructure

Robert Thaw PS
VP Survey and Mapping

Bill Hunt PG, LRS
VP Geo-Environmental

John James PE
Geotechnical Engineer



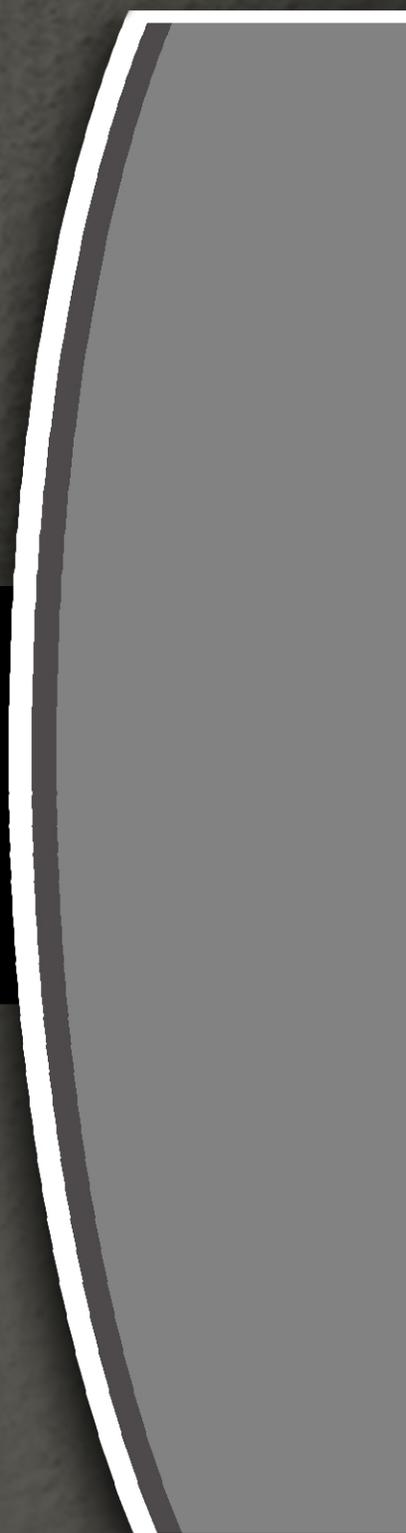


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Staff and Experience

Name	Position	Years This Firm (Total Experience)
Gregory A. Williamson AIA LEED AP CEFP	Architect / President	30 (34)
Ted A. Shriver AIA LEED AP REFP	Architect / Vice President	30 (36)
Paul R. Kleykamp AIA LEED AP	Architect	5 (17)
Donald W. Beyer P. E.	Structural Engineer	25 (35)
Steven W. Gibson	Contract Administration	30 (36)
Dana K. Scarberry Associate AIA	Project Manager	26 (31)
Lori A. Phillips	Executive Assistant	16 (24)
Mike W. Nichols Associate AIA	Project Manager	12 (17)
Bill A. Ratcliffe REFP	Planning/Contract Administration	11 (41)
Gregory I. Martin Associate AIA	Intern Architect	7 (9)
Joyce A. Johnson	Financial Administrative Assistant	7 (12)
Andrew W. Crawford Associate AIA	Intern Architect	6 (7)
Sarah J. Petry	Marketing Assistant	5 (15)

Average tenure for WSA employees is 16 years with 300+ years of experience.

Gregory A. Williamson AIA LEED AP CEFPI (Architect/President)

Mr. Williamson attended the University of Tennessee, where he received his bachelor of architecture degree in 1981. His professional career began at Sverdrup and Parcel and later with Donald L. Moses Associates, both in Charleston. In 1983 he joined Gandee Thomas and Sprouse / GTS Partners as an architect and project designer and obtained his West Virginia registration as an architect in 1985.



In 1994, along with Ted Shriver, Mr. Williamson acquired the firm from founder Kent Gandee, and together they have continued the tradition of quality, client-focused architectural design for which the firm has been recognized. As a design partner, Mr. Williamson has designed such prominent and well-received projects as the LEED Gold Spring Mills Primary School, Caperton Center for Applied Technology at WVU-Parkersburg, and the Lodge and Conference Center at Chief Logan State Park. Additionally, he represented Williamson Shriver Architects in their role as associated architect on two prominent commissions in Charleston, the United States Federal Courthouse with architect SOM of New York, and the Clay Center for the Arts and Sciences with Kise Straw Kolodner Architects of Philadelphia.

Mr. Williamson is a member of the WV Board of Architects, appointed by Governor Underwood in 1999. He has active registrations in West Virginia, Virginia, Maryland, and Kentucky, and is a holder of an NCARB certificate. He is a past president of the West Virginia Society of Architects, has served as a part time instructor at the University of Charleston, and has also served as a juror on several local or regional design award programs.

In his spare time, Mr. Williamson is a musician and songwriter and enjoys recording his original music in his home studio.

Education:

University of Tennessee, 1981
 B. Architecture
 West Virginia State College, 1978
 Winfield (WV) High School 1976

Registration:

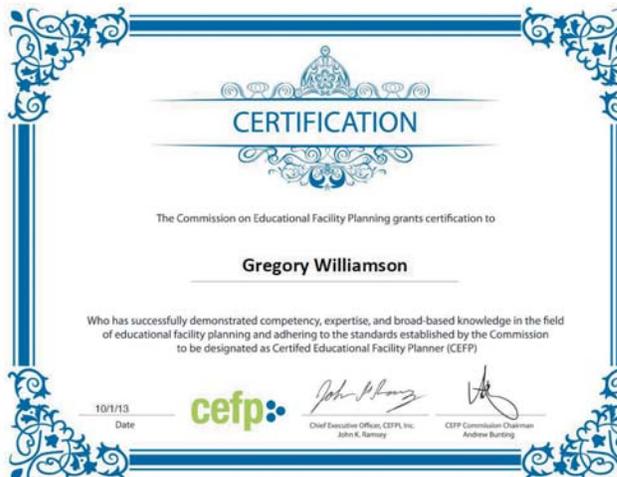
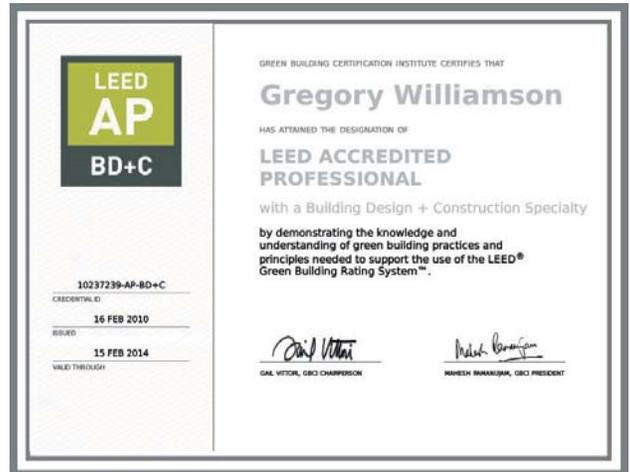
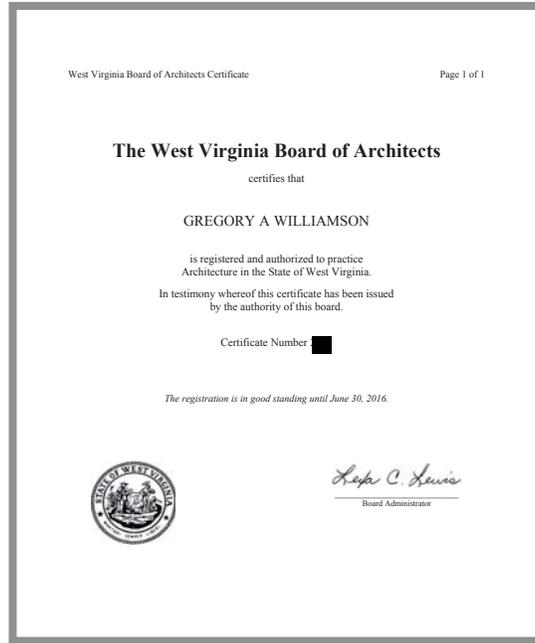
Architect, WV [REDACTED], KY [REDACTED], MD [REDACTED], VA [REDACTED], OH (I [REDACTED]), NCARB Certified [REDACTED]
 Green Building Certification Institute
 LEED Accredited Professional (LEED AP)

Affiliations:

West Virginia Board of Architects 1999-Present
 President 2003-2006, 2009-2011, 2014-Present
 Secretary 2007-2009, 2013-2014
 American Institute of Architects
 American Institute of Architects - WV Chapter
 President 1994 & 1995
 Contractors Association of WV
 Council of Educational Facility Planners Int. (CEFPI)
 Certified Educational Facility Professional (CEFP)
 Putnam County Board of Zoning Appeals
 Member - 1997 to 2001
 US Green Building Council, (USGBC)

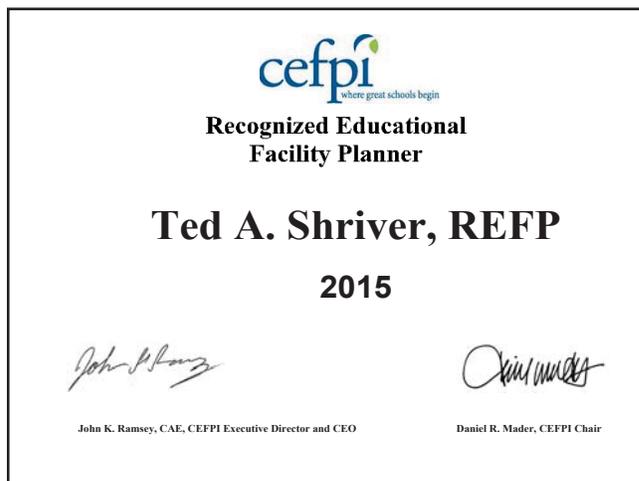
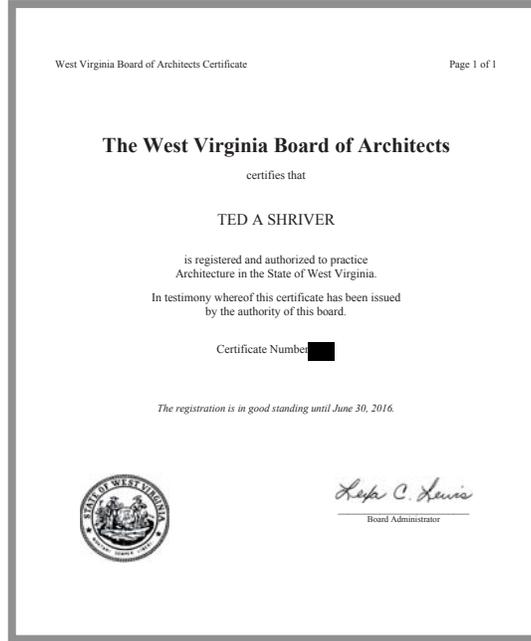


Gregory A. Williamson AIA LEED AP CEFP (Architect/President)





Ted A. Shriver AIA LEED AP BD+C REFP (Architect/Vice-President)



Donald W. Beyer P.E. (Structural Engineer)

Mr. Beyer is responsible for the coordination of structural design for all of Williamson Shriver Architects projects, and personally designs the structural systems for most of the firm's projects. He coordinates and integrates his design work with our in-house architectural designs as well as with mechanical and electrical engineering design performed by our consultants. He is also involved with the production of details and specifications for a project's structural systems and materials.



Mr. Beyer's close involvement with the project architect provides for the smooth integration of the structural system into the project while maintaining the aesthetics of the architect's design. His availability for immediate consultation is an asset to the design team. Mr. Beyer draws from his years of experience as a structural steel detailer, a structural draftsman, and engineering technician within the Charleston area.

In addition to his structural responsibilities, Mr. Beyer also serves as production coordinator for all project disciplines, ensuring that appropriate staff is in place to assure on-time completion of design work.

Mr. Beyer is an avid whitewater paddler, and currently sits on the WV Whitewater Commission, appointed by Governor Wise in 2005

Education:

WV Institute of Technology 1997

B. S. Civil Engineering

WV Institute of Technology 1978

A. S. Drafting & Design Eng. Technology

Registration:

Professional Engineer, WV [REDACTED]

Professional Engineer, PA [REDACTED]

Previous Employment:

Kelley, Gidley, Blair and Wolfe Engineers

1986 - 1990

W. C. Haworth, Structural Engineers

1984 - 1986

Union Carbide Corporation

1979 - 1983

West Virginia Steel Corporation

1978 - 1979

Affiliations:

American Society of Civil Engineers

American Institute of Architects

American Institute of Architects WV Chapter

Professional Affiliate Member

Certifications:

American Canoe Association

Swiftwater Rescue Instructor



Dana Scarberry Associate AIA (Project Manager)

Mr. Scarberry has spent his adult lifetime in working in the architecture and building design industry, joining Williamson Shriver Architects in 1990. In this time, he has amassed considerable experience and knowledge regarding building systems and detailing. He serves as a Project Manager, advancing the design prepared by the partners into a complete and coordinated set of constructable documents. As part of this process, he brings his extensive knowledge of building codes and standards, coordination of consultants providing site, electrical and mechanical systems design, and preparation of building system specifications.



Mr. Scarberry also has considerable experience in roofing design. Over the course of his career he has designed millions of square feet of roofing and roofing replacement. He also has great knowledge of door and window systems, and serves as Williamson Shriver's specialist in door hardware and kitchen equipment design.

Previous Employment:

Hoblitzell, Daley & McIntyre – Architects

1978 - 1990

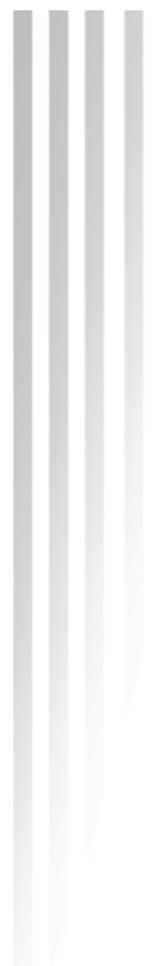
Walt S. Donat – Architect

1975 – 1978

Affiliations:

American Institute of Architects

American Institute of Architects WV Chapter



Mike Nichols Associate AIA (Structural Draftsperson / BIM Manager)

Mr. Nichols supports our structural engineering department as the primary structural draftsperson, where he utilizes past experience as a structural detailer for a large steel fabrication company. In addition, he has amassed considerable knowledge of the utilization and implementation of Building Information Modelling (BIM) software, specifically AutoDesk Revit, in documentation for architectural projects. As such, he serves as BIM Manager for Williamson Shriver Architects, developing office standards and procedures utilized for all disciplines on all projects.



Outside of his professional career, Mr. Nichols is a certified firearms instructor and armorer.

Education:

Glenville State College
Hagerstown Community College

Previous Employment:

Gerdau Ameristeel
Project Coordinator
Hurricane, WV
Lester Building Systems
Engineering Service Technician
Clearbrook VA
Foremost Industries
Framing Foreman
Martinsburg WV

Certifications:

Certified Firearms Instructor
Certified Glock Armorer
Class C Commercial Drivers License

Affiliations:

AIA Associate
American Institute of Architects WV Chapter



Steven W. Gibson (Construction Administration)

Mr. Gibson is responsible for contract document administration and field observation during the construction phase of a project. His duties include shop drawing review, attending construction conferences, compiling construction observation reports, and serving as liaison between owner and contractor.

Prior to joining the staff in 1985, Mr. Gibson's experience was primarily in the engineering fields. He has participated in the design, project management and construction of numerous industrial, commercial, public housing and public works facilities since 1970.

Mr. Gibson has also worked for a large local construction firm as an estimator. This employment allows him to bring a unique knowledge and understanding of the contractors' perspective toward construction projects to the firm.



Education:

West Virginia State College, 1971
B.S. Industrial Technology

Affiliations:

American Institute of Architects
American Institute of Architects WV Chapter

Previous Employment:

Carlton Construction Company
1984 - 1985
Randolph Engineering
1977- 1984
Swindell-Dressler Engineering
1974 - 1977
JH Milam Engineering
1969 - 1974

Contract Administration



Steve Gibson

**Contract Administrator
30+ Year Employee**

Bill Ratcliffe

**Contract Administrator/
Educational Planner
10+ Year Employee**



The construction phase of a project may be a small portion of an architect's fee, but this phase plays a large role in Williamson Shriver Architect's success. After the commencement of construction, one of our highly-experienced Construction Administrators (with a combined forty plus years in construction) will undertake the administration of the construction process.

While construction has been humorously defined as "an exercise in conflict resolution", we strive to remove any contentiousness from the process and to be fair with all parties. This attitude, and resulting actions, will ultimately save the Owner time and money (and frustrations) at the same time assuring that the intended design quality is ultimately delivered in the completed project.



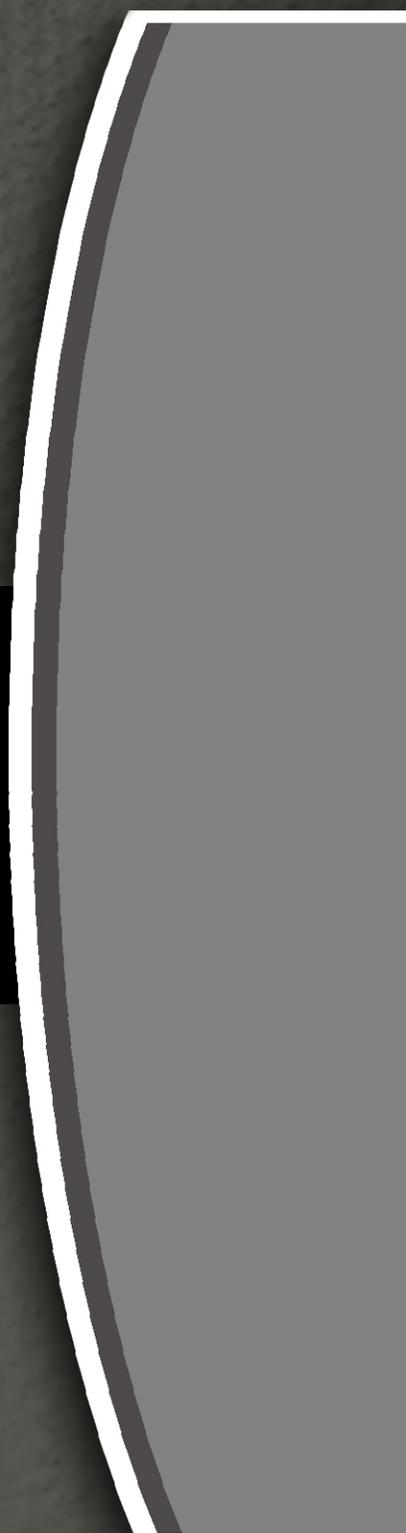


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Ronald McDonald House

Charleston, West Virginia



Owner: Ronald McDonald House Charities of Southern West Virginia

Project Team: Williamson Shriver Architects

Responsible Partner: Ted. A. Shriver, AIA, LEED AP

Project Data:

Square Footage: 18,900

Project Cost: 3.6 Million

Year Occupied: Anticipated Fall 2016

Project Scope: New Construction

A goal of the new facility is to give guests a feeling of comfort and security. This was accomplished in the three main zones: guest suites, public spaces, and administrative offices. There are 14 guest suites divided amongst two floors and many public areas including a communal kitchen, dining room, food pantry, laundry room, kids play room, a den, great room, and an outdoor patio. These spaces are intended to give each resident the comfort of home while providing opportunities for interaction between guests and staff. A welcome station is located in the entry lobby and will be staffed 24 hours a day. The main entrance includes a secure vestibule, which allows staff to maintain visual control of the building entry point during all hours.

The design intent of the exterior was to create an inviting and intriguing facade with the use of vibrant colors, tall vertical masses, and large areas of fenestration. By accomplishing these considerations in the design, the site now has an eye catching building that is unique to the area.



Eastwood Elementary School (LEED Gold) Morgantown, West Virginia



Williamson Shriver Architects, Inc.



Owner: Monongalia County Board of Education
Dr. Frank D. Devono, Superintendent

Project Team: Williamson Shriver Architects, Inc.
Responsible Partner: Ted A. Shriver, AIA, LEED AP BD+C
Structural Engineer: Donald W. Beyer, PE
Const. Admin: Bill Ratcliffe

Project Data:
Square Footage: 71,541
Capacity: 480
Project Cost: \$16 Million
Year Occupied: 2013
Funding: Local and SBA
Project Scope: New Construction





Little Creek Golf Clubhouse

South Charleston, West Virginia

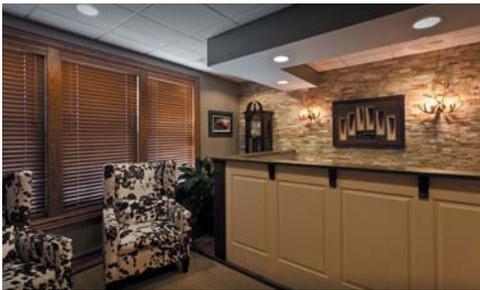


Owner:	City of South Charleston Mayor Frank Mullens Carlton D. Lee, City Manager
Project Team:	Williamson Shriver Architects
Responsible Partner:	Ted A. Shriver, AIA, LEED AP BD+C
Project Manager:	Greg Martin, AIA Associate
Project Data:	
Square Footage:	7,560 sf
Year Occupied:	2015
Project Scope:	This project was to design a new club house for the Little Creek Golf Course. The building is nestled into the landscape of the golf course overlooking 14th hole. The main floor features a pro shop and check in counter, a deli counter with indoor and outdoor seating, two state of the art indoor golf simulators and administration offices. The lower level garage serves as the golf cart storage for approximately 60 golf carts with drive through access on each end.



Teays River Station Development - Building I

Hurricane, WV



The design concept for this multi-building development was to draw design features from the farmhouse vernacular and traditions of the residential Teays Valley, WV community in which it resides.

Exterior features include a partial stone veneer and a striking complementary green HardiePlank siding. These are offset by the tradition grey-silver metal roofing traditionally found on farm buildings.

The initial building is a two story office structure housing the development owner's law firm on the second floor with a tenant cardiac medical office on the ground level. Building 2 of this development is currently in design and will feature a similarly detailed but larger office building placed perpendicularly on the site.

Owner:

Teays River Station LLC
Hurricane, WV

Project Team:

Responsible Partner:
Project Manager:
Site / Civil Design:
Interior Design:

Williamson Shriver Architects, Inc.
Gregory A. Williamson AIA LEED AP
Andrew Crawford, AIA Assoc
Triad Engineering
Laura Davis Interiors

Project Data:

Square Footage:
Project Cost:
Year Occupied:
Project Scope:

6,500 SF
Withheld by Owner
2015
New Construction





LaQuinta Inn & Suites Renovations

Elkview, West Virginia



Owner: Plaza Management, LLC

Project Team: Williamson Shriver Architects
Responsible Partner: Gregory A. Williamson, AIA, LEED AP
Project Manager: Dana Scarberry & George Bumpus AIA, LEED AP
Structural Design: Donald W. Beyer
Const. Admin. Steve W. Gibson
Interior Design: Supreme Hospitality, Atlanta GA

Project Data: 2014
Year Occupied: 2014
Scope of Work: These projects were undertaken as a conversion of an existing Country Inn and Suites property. The project included substantial renovations of the exterior facade and public interiors to meet current LaQuinta brand design standards.



LaQuinta Inn & Suites Renovations

Summersville, West Virginia



Owner: Plaza Management, LLC

Project Team: Williamson Shriver Architects
Responsible Partner: Gregory A. Williamson, AIA, LEED AP
Project Manager: Dana Scarberry & George Bumpus AIA, LEED AP
Structural Design: Donald W. Beyer
Const. Admin. Steve W. Gibson
Interior Design: Supreme Hospitality, Atlanta GA

Project Data: 2014
Year Occupied: 2014
Scope of Work: These projects were undertaken as a conversion of an existing Country Inn and Suites property. The project included substantial renovations of the exterior facade and public interiors to meet current LaQuinta brand design standards.



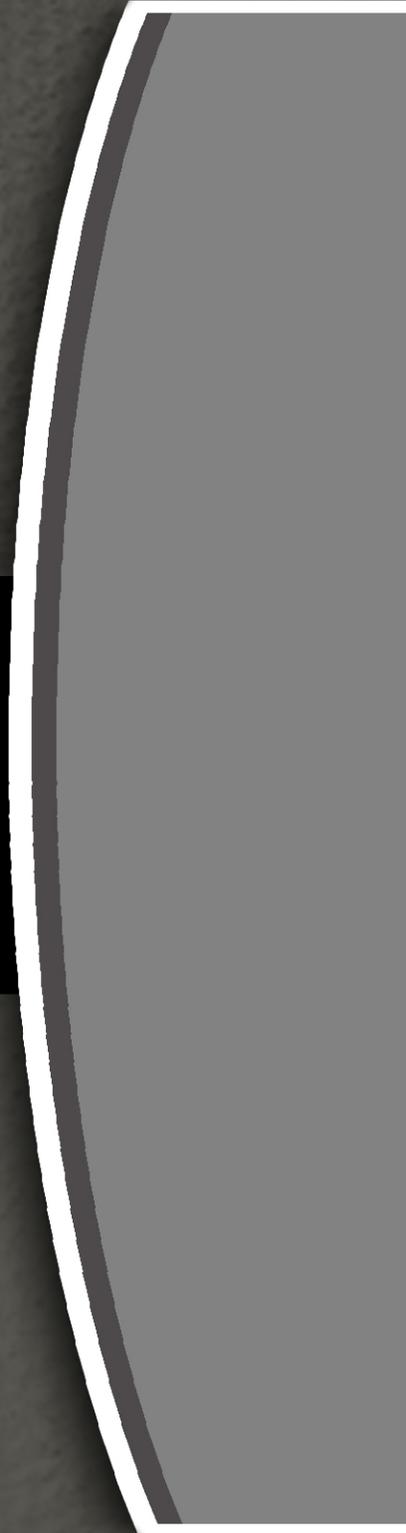


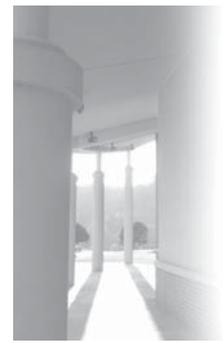
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References

This page contains a list of references for your information. Please feel free to contact any of the following at your convenience:

Ms. Phyllis Doty

Superintendent
Logan County Schools
Logan, WV
(304) 792-2060

Ms. Annette Gavin

Chief Executive Officer
Jefferson County Convention & Visitors Bureau
Harpers Ferry, WV
(304) 535-2627

Mr. Chuck Hatfield

Superintendent
Putnam County Schools
Winfield, WV
(304) 586-0500

Honorable Mayor Mullens

City of South Charleston
South Charleston, WV
(304) 744-5301

Mr. Brian Prim

Managing Partner
Prim Law Firm
Hurricane, WV
(304) 201-2430

Ms. Cheryl Ranson

Administration Division Director
Public Service Commission of WV
Charleston, WV
(304) 340-0356

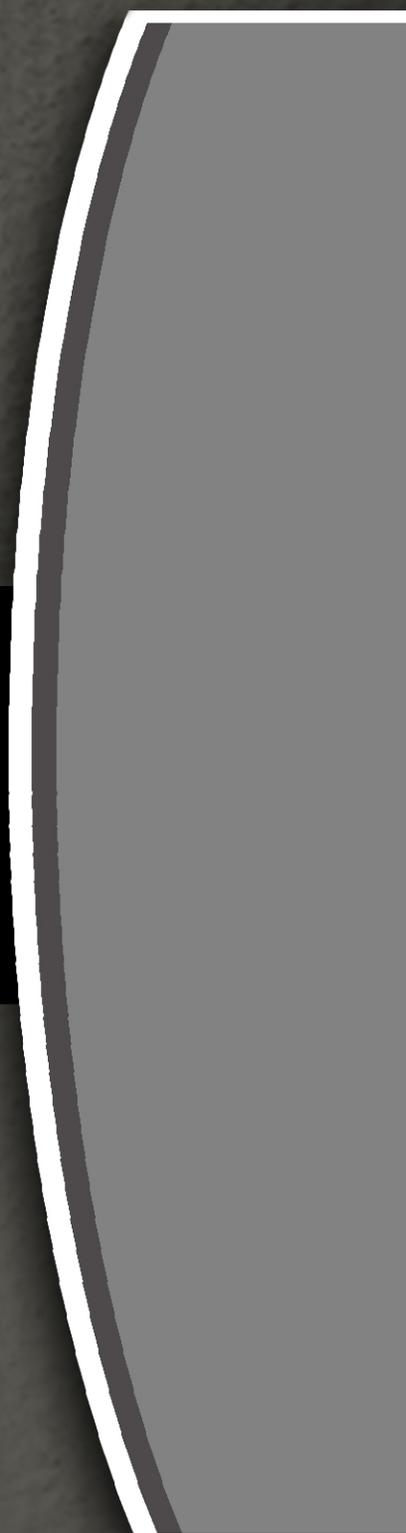


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ENGINEERING FOR
STRUCTURAL SYSTEMS
MECHANICAL SYSTEMS
ELECTRICAL SYSTEMS
FORENSIC INVESTIGATION

Overview

Allegheny Design Services (ADS) is a consulting engineering firm specializing in structural and MEP building design and building analysis. Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. We currently hold licenses in West Virginia, Pennsylvania, Maryland, Virginia, District of Columbia, South Carolina and Ohio.

ADS' experience in Design and Project Management includes:

- Commercial Facilities
- Industrial Facilities
- Institutional Facilities
- Educational Facilities

ADS was established by David Simpson, PE, MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. In 2009 MEP engineering services were added, led by Mike Chancey, PE. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$40 million in construction value. Our clients include architects, contractors, developers, attorneys and insurance companies.

ADS currently utilizes the latest engineering design and BIM software for the development of project work.

Value Added Services

Our company strives to provide efficient, quality engineering services that serve both the needs of the client as well as the needs of the design team. We achieve this level of service by leveraging our extensive project experience with a work-flow built upon the cohesive integration of 3D Revit modeling and the latest analysis software. This integration allows us to produce the highest quality designs in the timeframe needed for successful design-build projects. Our staff is comprised of multiple licensed Professional Engineers.

Allegheny Design Services
102 Leeway Street
Morgantown, WV 26505

P 304.599.0771
F 304.212.2396



Education:

West Virginia Institute of Technology - B.S. Electrical Engineering

Professional Registrations:

Professional Engineer, West Virginia, Ohio, Pennsylvania and Maryland
LEED Accredited Professional

Professional Memberships:

National Society of Professional Engineers
West Virginia Society of Professional Engineers
American Institute of Architects – WV Chapter
U.S. Green Building Council

Continuing Education:

2014 Commercial Buildings Energy Code Workshop—ASHRAE 90.1—2007
2013 Lightfair International, Philadelphia, PA

Professional Experience:

Responsible for project management and electrical design at Allegheny Design Services. Experience includes over 20 years in electrical design and project management for industrial, commercial, residential, institutional, educational, and recreational facilities. Building system design includes lighting, site lighting, power distribution, communications, surveillance, access control, and fire protection. Past accomplishments include design and construction administration of health care, schools, municipal, sports, commercial and retail facilities.

Experience Record:

Allegheny Design Services, LLC, MEP Project Manager	June 2009 to Present
MSES Consultants, Project Electrical Engineer	August 1990 to June 2009
Triad Engineering Consultants, Staff Electrical Engineer	May 1988 to August 1990
Duke Power, Design Engineer	August 1985 to May 1988

Project Experience Includes:

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

Parish Center for Immaculate Conception Church, Clarksburg, WV
Mountaineer Medical Office Building, Bridgeport, WV
WVU Visitor's Resource Center, Morgantown, WV
Upshur County 911 Center, Buckhannon, WV
Morgantown Event Center, Morgantown, WV
WVU Percival Hall Chiller Replacement, Morgantown, WV
Mylan Pharmaceuticals, Greenbag Road Facility, Morgantown, WV
Bank of Gassaway, Flatwoods, WV
Veterans Nursing Facility, Clarksburg, WV
Harrison Co. 4-H & Recreation Center, Clarksburg, WV
Robert L. Bland Middle School Renovation, Weston, WV
Stonewall Jackson Resort Lodge, Stonewall Jackson Lake, WV
Ripley Municipal Building, Ripley, WV
Wheeling Jesuit Science and Technology Building, Wheeling, WV
VAMC Primary Care Renovation, Clarksburg, WV
National Guard Hangar, Harrison Marion Regional Airport, Bridgeport, WV
Fairmont State University Athletic Field Lighting, Fairmont, WV
Harrison Marion Regional Airport Runway Extension, Bridgeport, WV
Various school renovations and additions
Streetscape projects in Clarksburg, Bridgeport, Weston, Morgantown, and WVU



DAVID A. COTTON, P.E., LEED AP BD+C
SENIOR MECHANICAL ENGINEER

Education:

West Virginia Institute of Technology – B.S. Mechanical Engineering

Professional Registrations:

Professional Engineer, West Virginia, Pennsylvania, Ohio and Maryland
LEED AP BD+C Professional Accreditation
NCEES Record Certificate

Professional Memberships:

American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Secretary Mountaineer Chapter
- Student Activities Chair Mountaineer Chapter
U.S Green Building Council
National Fire Protection Association
- Architects Engineers and Building Officials Chapter Member

Continuing Education:

2009 ASME HVAC Systems: Sizing and Design - April 27-29 - Orlando, FL
2013 Commercial Buildings Energy Code Workshop - ASHRAE 90.1 - 2007 - West Virginia University
2013 Mitsubishi Diamond Designer Seminar 1 - October 31 - Charleston, WV

Professional Experience:

Responsible for HVAC & plumbing design at Allegheny Design Services. Experience includes mechanical design and project management for industrial, commercial, institutional, education, and recreational facilities. Building system designs include packaged gas heating / dx cooling, split systems, air distribution systems, boiler & chiller systems, VAV & VVT zone control, indoor air quality ventilation and server room cooling. Plumbing systems include sanitary, domestic water, fuel gas, and storm drainage. Implemented sustainable building design concepts, and provided construction administration to achieve LEED certification for new construction projects.

Experience Record:

Allegheny Design Services, LLC, Senior Mechanical Engineer	June 2009 - Present
March-Westin Company, Project Manager	August 2006 - June 2009
Contracting Engineering Consultants, Detailer	May 2006 - August 2006
Special Metals, Corrosion Lab Technician	May 2005 - January 2006
Oasis Landscaping, Landscaper	May 2004 - September 2004
GC Services, Account Representative/Team Leader	May 2002 - October 2003

Project Experience Includes:

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

Beitzel / Pillar Innovations Office Building, Morgantown, WV
GSA Charleston LEED Administration, Charleston, WV
Jerry Dove Medical Office Building, Bridgeport, WV
Percival Hall Chiller & Cooling Tower Replacement, Morgantown, WV
Thrasher Engineering Office Building, Bridgeport, WV
RL Bland Middle School Field House Renovation, Lewis, WV
South Ridge Church, Fairmont, WV
Steptoe and Johnson Office Building, Clarksburg, WV
Upshur County Communication Center, Buckhannon, WV
WVU Alumni Center, Morgantown, WV
WVU Biomedical Research Facility, Morgantown, WV
WVU Milan Puskar Locker Room Renovations, Morgantown, WV
WVU Office Fitout at Marina Tower, Morgantown, WV
WVU Creative Arts Center Rehearsal Hall, Morgantown, WV

Education:

West Virginia University - B.S. Electrical Engineering

Professional Registrations:

Engineer in Training, West Virginia

Professional Memberships:

Eta Kappa Nu – IEEE

Continuing Education:

2013 Commercial Buildings Energy Code Workshop—ASHRAE 90.1—2007—West Virginia University

Professional Experience:

Responsible for assistance in electrical design at Allegheny Design Services. Experience includes electrical design for industrial, commercial, residential, institutional, educational, and recreational facilities. Building system design includes lighting, site lighting, power distribution, communications, surveillance, access control, and fire protection. Past accomplishments include administering computer labs for IT needs of the Mining Engineering Department at West Virginia University, traveling to multiple statewide conferences to provide IT assistance for the West Virginia Coal Mining Institute and West Virginia Coal Associations meetings, shadowing Coal Mine Preparation Plant Electrical Foreman of maintenance projects, and designing and giving presentation at NASA Headquarters in Washington, DC on software architecture diagrams for the International Space Station.

Experience Record:

Allegheny Design Services, LLC, Junior Electrical Engineer	January 2013— Present
Allegheny Design Services, LLC, Engineering Intern	May 2012— December 2012
Arch Coal, Electrical Engineering Intern	December 2010— August 2011
West Virginia University, IT Student Technician	October 2008 – December 2011
NASA, Summer Intern	June 2008 — August 2008

Project Experience Includes:

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

WVU College Park Apartments, Morgantown, WV
WVU CAC Rehearsal Hall Renovations, Morgantown, WV
Clarksburg Credit Union, Clarksburg, WV
Shoney's Restaurant, Morgantown, WV



Education:

West Virginia University—Morgantown, WV—B.S. Mechanical Engineering

Professional Memberships:

WVU Student Branch of American Society of Heating, Refrigerating and Air-Conditioning Engineers

* President for Spring 2015 semester

* Treasurer for Fall 2014 semester

Professional Experience:

Responsible for assistance in HVAC & plumbing design at Allegheny Design Services. Experience includes mechanical, electrical, plumbing designs and construction administration, for state government, educational, and recreational facilities. Mechanical system designs include packaged gas heating, dx cooling, split systems, air distribution systems, boiler and chiller systems, VAV & VVT zone control and server room chilling. Electrical system designs include power distribution, lighting, communications, and fire protection. Plumbing system designs include sanitary, domestic water and fuel gas.

Experience Record:

Allegheny Design Services, LLC, Jr. Mechanical Engineer	June 2015 to Present
Allegheny Design Services, LLC, Engineering Intern	March 2015 to May 2015
Miller Engineering, MEP Engineering Intern	May 2014 to March 2015
Clarkson Enterprises, Maintenance Worker	May 2008 to August 2011
St. Sebastian's Church, Maintenance Worker	August 2007 to August 2009

Project Experience Includes:

Experience includes estimating design, construction administration, and /or project engineer for projects:

Beech Fork State Park, Barboursville, WV
Canaan Valley State Park, Davis, WV
Bartlett House, Morgantown, WV
DHHR Office Building, Parkersburg, WV
Bobtown Elementary School, Bobtown, PA
Dorsey Elementary School, Morgantown, WV



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Peterson Central Elementary Outdoor Classroom Weston, WV



MEP ENGINEER:

Allegheny Design Services, LLC, Morgantown, WV

CONTRACTOR:

Flint Construction Company, Inc., Gassaway, WV

PROJECT SCOPE:

- Outdoor classroom consisting of a pavilion, work area, and restroom facilities.
- Extended utilities from existing school facility.

PROJECT VALUE:

\$350,000

PROJECT COMPLETION:

Spring 2010



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

WVU College Park Dormitories Morgantown, WV



MEP ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
March-Westin Co., Inc., Morgantown, WV

PROJECT SCOPE:

The project included the design of several multiple family structures and a clubhouse encompassing approximately 200,000 square feet with over 200 residential units. Heat pumps used for heating and cooling of each residential unit. Single phase electrical service and individual panel board serve each residential unit.

PROJECT VALUE:

\$32 Million

ESTIMATED PROJECT COMPLETION:

2014



PROJECT PROFILE

Black Knight Country Club Renovation Beckley, WV



PROJECT ARCHITECT:

Paradigm Architecture, Morgantown, WV

MEP ENGINEER:

Allegheny Design Services, LLC, Morgantown, WV

PROJECT SCOPE:

- Renovations included a bar and dining area, private dining area and a new elevator.
- Electrical service upgrade and lighting replacement
- Replaced existing split system HVAC equipment and reconfigured ductwork for renovated spaces.
- New Packaged DX / Gas Rooftop Units for Dining Room Addition

PROJECT VALUE:

\$ 1.2 Million

PROJECT COMPLETION:

Fall 2012





PROJECT PROFILE

Courtyard Marriott—University Towne Center Granville, WV



MEP ENGINEER:

Allegheny Design Services, LLC, Morgantown, WV

CONTRACTOR:

Waller Corporation, Washington, PA

PROJECT SCOPE:

- 60,000 SF , 5 Story Hotel
- 3,000 AMP, 120/208, 3 Phase Electrical Service with Emergency / Standby Generator
- Dedicated outside air equipment
- Packaged DX/gas RTU's, Split System Furnaces
- Kitchen exhaust and gas fired makeup air unit.

PROJECT VALUE:

\$ 12 Million

PROJECT COMPLETION:

Winter 2015





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CORPORATE OVERVIEW

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 25 years TERRADON staff has provided a wealth of engineering solutions blanketing the Ohio Valley and the Appalachian Region with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

Staff includes engineers, landscape architects, surveyors, planners, environmental scientists, designers, technicians and LEED Accredited Professionals.

The company maintains approximately 50 leading-edge staff in four locations: Nitro/Poca, WV; Lewisburg, WV; Charlton Heights, WV; and Ripley, WV. TERRADON'S departments work cohesively to provide turn-key solutions that strive to exceed client expectations.

ABOUT TERRADON

The family-owned business has built a strong reputation by providing flexible, cost effective design solutions and maintaining the highest level of customer service. TERRADON is particularly suited to design engineering within the mountainous areas of the Ohio Valley and Appalachian Regions. The firm has been recognized through numerous awards from professional organizations and agencies including the several State Divisions of Highways, Departments of Environmental Protection and the American Institute of Architects state chapters.

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.

SERVICE OFFERINGS

- Land Planning and Site Design
- Civil Engineering
- Environmental
- Geotechnical Engineering
- Surveying and Mapping
- Water/Wastewater
- Transportation Engineering
- Structural Engineering



TERRADON Land Development Services Overview



Land Development covers a broad swath of TERRADON's service offerings and sees a large percentage of its annual revenue from repeat clients or referrals. The group is composed mainly of Landscape Architects and CAD designers who frequently team with every other department within the company.

TERRADON's Land Development department collaborates with public and private entities and has a strong presence in the recreation, public/civil, educational and commercial development sectors. TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional engineers work closely with the client from the project's initial phase through a schematic design, construction documents and project delivery. TERRADON's Landscape Development Group remains on the forefront of sustainable design, providing LEED Accredited Professionals to clients. Projects utilizing sustainable design best practices aid clients in significantly reducing energy costs on projects.

TERRADON's Land Development Group works in a variety of markets including: Parks/Recreation, Commercial/Industrial, Civic/Public, K-12 Education, Higher Education and Medical.

Projects include: Master planning, recreational planning, funding agencies assistance, economic development planning, surveying, engineering, architecture, historical preservation construction administration and inspection.

LAND DEVELOPMENT SERVICES

- Master Planning
- Presentation Drawings/Renderings
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Construction Observation



RESUMES OF PROJECT TEAM MEMBERS - TERRADON

Greg Fox, ASLA, LEED AP **VP Land Development**

Greg Fox has overseen TERRADON's Land Development Department since its inception in 2000. He offers more than 25 years of industry experience, providing design services to a variety of markets. During his tenure, the Land Development Group has completed more than one hundred K-12 Educational projects and dozens of Higher Education projects.

Under his guidance, the group has been the recipient of Engineering Excellence awards from the West Virginia Association of Consulting Engineers, and the Gold Award for Engineering Excellence from the American Council of Engineering Companies. Additionally, the Land Development Group has been recognized numerous times for Merit Awards by the West Virginia Chapter of American Society of Landscape Architects. Fox is a registered Landscape Architect in West Virginia, Ohio, North Carolina, South Carolina, Pennsylvania and Virginia. He is an active member of the American Society of Landscape Architects. Fox received degrees in Landscape Architecture and Planning from West Virginia University.

Peter J. Williams, ASLA **Landscape Architect**

"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 13 years of experience at TERRADON and more than 22 years of overall experience.

Jim Nagy, PE **Utility Infrastructure**

Nagy performs Civil Engineering related to water and waste water projects at TERRADON. He specializes in the design of water treatment and distribution systems. He has more than 25 years of on-hand experience providing engineering for the largest private water company in West Virginia. He earned a B.S. in Civil Engineering from West Virginia University. His primary focus is on management of water and wastewater projects. He also performs design work related to water distribution systems and sewage collection systems.

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

Robert Thaw, Vice President of Survey and Mapping, oversees all TERRADON Survey services. TERRADON's survey group serves a diverse range of projects in support of TERRADON's service groups in addition to managing survey-specific clients. Thaw manages a staff of Professional Surveyors and Computer Aided Drafting (CAD) designers who provide mapping, construction layout, ALTA survey, topographic survey and boundary survey services. Thaw's leadership has been instrumental in TERRADON's prioritization of the use of modern technology, ensuring clients the most efficient and accurate results. Additionally, he is responsible for in-house design of commercial property sites, parking and utility easements, and review of project plans and base mapping creation. Thaw's group also provides as-built surveys, utility identification surveys and deformation monitoring of design features such as retaining walls and dams.

Bill Hunt, PG, LRS **VP Geo-Environmental, Materials Testing and Inspection**

Bill Hunt serves as Vice President of Geo-Environmental at TERRADON Corporation. He will oversee any environmental needs, permitting and direct work for geotechnical tasks and testing and inspection required of the project. Hunt offers relevant experience in environmental documentation, investigations, and coordination with federal, state, and local agencies. He prepares Environmental Impact Statements, Environmental Assessments, Section 4(f) Evaluations, and other environmental technical documents. He supervises and participates in work plan development, field surveys, on-site monitoring, data collection, impact analysis, subconsultant management, public meeting organization and group presentations.

John James, PE **Geotechnical Engineer**

James is a Senior Geotechnical Engineer for civil engineering projects. Mr. James specializes in innovative and cost-saving concepts for his projects. James' project experience includes: roads; highways and bridges; earth and rockfill dams; numerous foundation investigations; studies and designs for landfills and environmental facilities; surface and ground water studies and remediation; foundation investigations and designs ranging in size from houses to major industrial complexes; storm drainage facilities; airport facilities; landslide analysis and correction; and forensic engineering.

RELEVANT EXPERIENCE

Bluestone State Park Master Planning

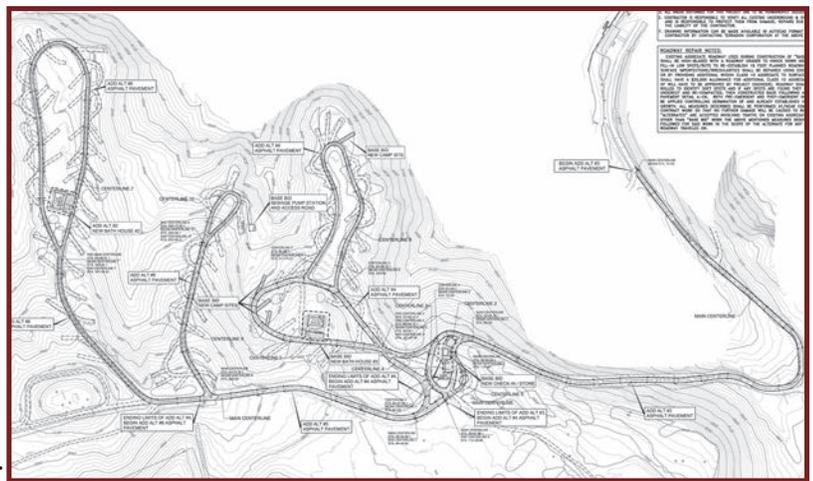
TERRADON was responsible for the development of a swimming pool replacement for existing pools at Bluestone State Park. The existing pool was located within the 100-year flood plain and subject to flooding.

TERRADON proposed a new pool located above the 100-year flood plain while incorporating many unique and creative design features for Bluestone State Park guests and the surrounding community.



Little Beaver State Park Design

TERRADON was responsible for the design of a campground expansion that doubled the number of existing full-service RV spaces, a new bathhouse and a trail system to the bathhouse. TERRADON was also responsible for preparation of plans and specifications for a septic tank effluent gravity (STEG) system at the park. DNR Parks and Recreation had started the project using force account method of construction, but was unable to complete the project. Terradon designed the project to utilize materials already purchased and delivered to the site. The project consisted of septic tanks, one (1) grinder sewage pumping station, and small diameter gravity sewer (SDGS) with connection to the local PSD for treatment.

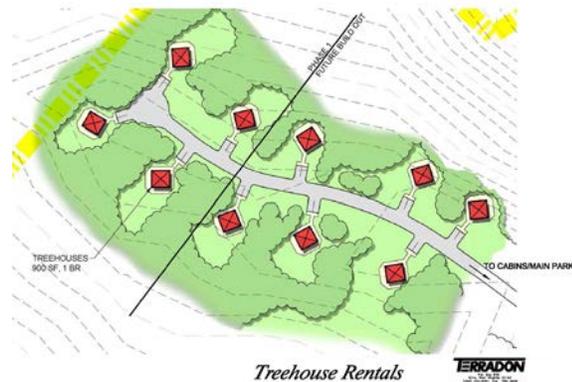
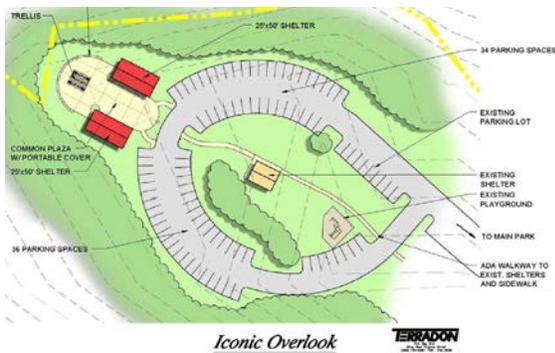
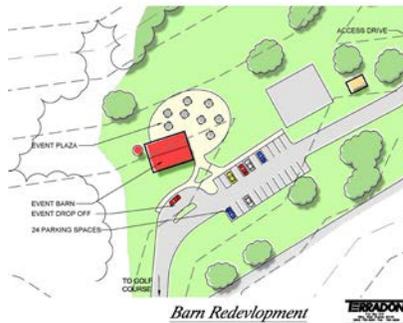


RELEVANT EXPERIENCE

Grand Vue Park



TERRADON is currently in the developing Master Plans and Schematic Planning for Grand Vue Park near Moundsville, WV. Services include: inventory and analysis of existing features, identifying project opportunities, land planning, master planning and team coordination with subconsultants.



RELEVANT EXPERIENCE

Summit Bechtel National Scout Reserve Master Plan

From 2008 to July 2013, TERRADON provided a variety of services for the development of the Summit Bechtel National Scout Reserve near Mt. Hope, Fayette County, WV. In fact, TERRADON worked with the NRGRDA on the initial site selection and presentations to the Boy Scouts of America, which landed this massive project in Mt. Hope.

The Summit is a 10,600+ acre outdoor adventure center near Mt. Hope, WV next to the New River Gorge National Park. The world-class facility serves as a venue for the Boy Scouts of America's fourth High Adventure Base, the permanent home to the National Jamboree, a summer camp and National Center for Scouting Excellence leadership center - all on the same contiguous property.

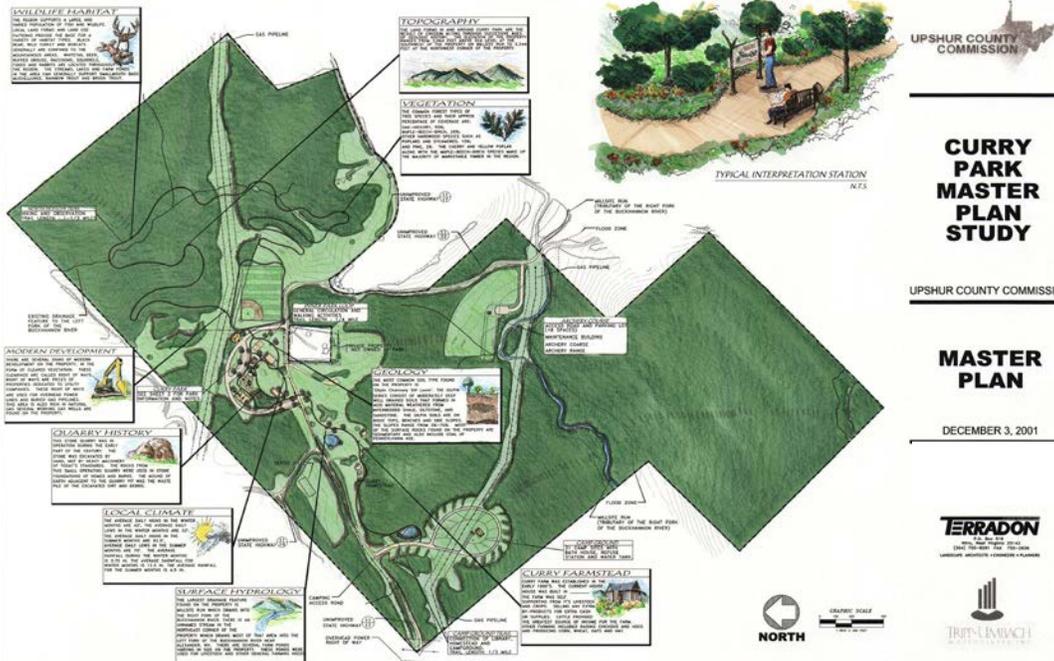
Services for the 10,600+ Acre site included:

- Initial Site Selection/Conceptual Designs
- Site Planning/Grading
- Erosion and Sediment Control
- AML
- Survey/Mapping
- All Environmental Permitting
- Geotechnical Engineering
- Materials Testing and Construction Monitoring
- Utility Design
- 60+ miles of underground utilities
- 550,000 tons of aggregate produced by on-site rock crushing 600 acres of clearing, grubbing and rough grade operations
- 3 million cubic yards of excavation
- 600 acres of fine grading and revegetation
- 28 miles of drainage swales, including erosion and sediment control
- 14 miles of new roads (grade and drain)
- 4 earthen dams
- 80,000 seat lawn amphitheater
- On site sanitary sewer system



RELEVANT EXPERIENCE

Upshur County Park Master Planning - Curry Park



As a subconsultant, TERRADON completed the Curry Park Master Plan Study for the Upshur County Commission. Plans included picnic shelters and other amenities.

Relevant Project Tasks Included:

- Survey and Mapping
- Land Planning
- Utility Design
- Grading and Drainage Design
- Access Road Design
- Construction Drawings



REFERENCES

PROJECT 1: Palatine Park Master Planning
OWNER'S NAME: City of Fairmont, WV
ADDRESS: 200 Jackson St., Fairmont, WV 26554
CONTACT NAME AND PHONE NUMBER: Jay Rogers, City Manager 304-366-6212
EMAIL ADDRESS: jrogers@fairmontwv.gov

PROJECT 2: Valley Park Expansion
OWNER'S NAME: Putnam County Commission
ADDRESS: 1 Valley Park Rd, Hurricane, WV 25526
CONTACT NAME AND PHONE NUMBER: Scott Williams 304- 562-0518
EMAIL ADDRESS: jamie@putnamcountyparks.com

PROJECT 3: Greater Greenbrier Sports Complex
OWNER'S NAME: Greater Greenbrier Sports Complex Foundation
ADDRESS: 200 N Court, Lewisburg, WV 24901
CONTACT NAME AND PHONE NUMBER: Jerry Via 304-645-3961
EMAIL ADDRESS: jerryosull@aol.com

PROJECT 4: The Summit Bechtel Family National Scout Reserve
OWNER'S NAME: Boy Scouts of America, Summit Group
ADDRESS: 68 Crossroads Mall, Mount Hope, WV 25880
CONTACT NAME AND PHONE NUMBER: Rob Ridgeway, Facilities Director 304-469-1089
EMAIL ADDRESS: Rob.Ridgeway@scouting.org

RELEVANT EXPERIENCE

Dorsey's Knob Master Plan - BOPARK

TERRADON provided Master Planning services to the Morgantown Board of Park and Recreation Commissioners for the development of Dorsey's Knob in Morgantown, WV. Plans included picnic shelters and other amenities.



DORSEY'S KNOB
MORGANTOWN, WEST VIRGINIA
MASTER PLAN
BOARD OF PARK & RECREATION COMMISSIONERS



Roane County Parks Master Planning

TERRADON Corporation, provided site master planning and site civil engineering services for Roane County Parks.

