



Letter of Transmittal

8/23/2024

TO: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Project:
Billeting Cabins at Camp
Dawson

Atten: David H. Pauline

Sending Via:
UPS

Subj: Qualifications

CODE LEGEND	<input type="checkbox"/> 1. For payment	<input type="checkbox"/> 4. For your signature	<input type="checkbox"/> 7. Send 1 to Contractor
	<input checked="" type="checkbox"/> 2. For your review	<input type="checkbox"/> 5. As requested	<input type="checkbox"/> 8. Return 1 to ETB
	<input checked="" type="checkbox"/> 3. For your files/use	<input type="checkbox"/> 6. Owner keeps 1	<input type="checkbox"/> 9. Office Copy

# of copies	DATE	DESCRIPTION	CODE
1		Statement of Qualifications	2
1		Statement of Qualifications - Electronic	3
1		Set of Purchasing Documents (Bound in Section 7)	3

REMARKS:

Thank you for this opportunity and we look forward to hearing from you at
todd@etbarchitects.com

RECEIVED

2024 AUG 26 AM 10:01

WV PURCHASING
DIVISION

Signed: Todd Boggess, AIA, NCARB, Architect



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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 1487739

Doc Description: New Billeting Cabins Design- Camp Dawson

Reason for Modification:

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2024-08-12	2024-08-26 13:30	CEOI 0603 ADJ2500000004	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000201742

Vendor Name : E.T. Boggess Architect, Inc.

Address : PO Box 727

Street : 101 Rocklege Avenue

City : Princeton

State : West Virginia Country : USA Zip : 24740

Principal Contact : Todd Boggess

Vendor Contact Phone: 304-425-4491 Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN# 55-0515917

DATE August 23, 2024

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.

(Printed Name and Title) Todd Boggess, AIA, NCARB, President/CEO

(Address) 101 Rockledge Avenue / PO Box 727, Princeton, WV 24740

(Phone Number) / (Fax Number) 304-425-4491 (phone) / no fax number

(email address) todd@etbarchitects.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

E.T. Boggess Architect, Inc.

(Company)

(Signature of Authorized Representative)

Todd Boggess, President/CEO

August 23, 2024

(Printed Name and Title of Authorized Representative) (Date)

304-425-4491 (phone) / no fax number

(Phone Number) (Fax Number)

todd@etbarchitects.com / etb@etbarchitects.com

(Email Address)



■ Mr. David Pauline, Senior Buyer
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

■ August 26, 2024

Dear Mr. Pauline:

In response to your qualifications request for the professional Architectural and Engineering Design services, the E.T. Boggess Architect, Inc. team is pleased to submit information regarding our experience. We will assist you with the design and construction documents for Billeting Cabins to be located at Camp Dawson. Our team will work with the State of WV, WVARNG, and representatives from Camp Dawson to ensure that everyone's vision for this project is achieved.

ETB has been very active with a variety of housing projects for a diverse clientele over the past few years. We recently completed construction documents for living units specifically for patients at Mon Health in Morgantown. We have also designed several cabins and planned developments for the ATV and adventure tourism industries. We understand the importance of creating a comfortable living environment whether the cabins are being utilized for a few days, a week, or an entire month. ETB strives to design cabins and cottages that make the occupant want to return time and time again. This approach is even more important when designing for members of our military who we hope will remain active for as long as possible.

ETB emphasizes a client-centered design approach, incorporating mutually defined project objectives. Through this focus, we can assure the State of West Virginia and the WVARNG that project needs and issues will be clearly identified and addressed through an engaged, interactive programming, design, and construction process. Our design process will be conducted with an attention to detail, creative problem solving and with a passion towards project success.

We value this opportunity to serve you and look forward to personally presenting our credentials.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Todd Boggess', is written over a faint, larger version of the signature.

Todd Boggess, AIA, NCARB, Architect
President/CEO

Cover Letter

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Objectives & Scope of Services – 2

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INTRODUCTION

E. T. Boggess Architect, Inc. was established in Princeton, West Virginia, by Ted Boggess in 1966. ETB has been a successful architectural firm primarily because of a **team approach** and partnership-type attitude with all involved in the design and construction process. Having grown up in the practice and with a life-long love of architecture, Todd became a full-time presence with the firm in 1988 after receiving a Masters in Architecture from Clemson University. Their unique relationship as father/son/mentor/apprentice and, ultimately, partners was both exciting and rewarding and ETB continues to flourish and evolve under Todd's direction.



ETB strives to deliver the highest level of project management, service, and design. Our approach is client and site specific, and questions conventional assumptions. The greatest testament to the success of ETB's work goes beyond the organizational, operation and business stewardship we provide; it is in our enduring client relationships. We feel that it is important to maintain close client contact so we can respond to your needs and questions, as well as address any situations that may arise in a timely manner. The depth of our personnel is such that we can assign individuals to the appropriate task during each phase to ensure all your project's needs are satisfied.

TEAMWORK

Our projects and design services are dependent on both our abilities as architects and our commitment to perform and implement a set of standards in order to create a design that responds to the needs of our client. In house, ETB actually functions as a team of consultants with individual strengths and abilities emphasized by each employee's role within the team. Our talented staff is ready to accommodate the needs of your project and ensure the successful completion of our current workload. The depth of our personnel is such that we can assign individuals to the appropriate task during each phase to ensure all your project's needs are satisfied.

Throughout our state, we have developed relationships with government agencies, including the WVARNG, contractors and material suppliers which will be valuable as we address the challenges associated with this project. ETB has worked with many of the code officials, including the state fire marshal, and consider them an extension of our team, another member who is concerned about the final design. We review our designs with the Office of the State Fire Marshal in Charleston at regular intervals during the design process, as well as on-site inspections during construction.

EXPERIENCE

Over the past 60 years, ETB has accomplished many different types of buildings in 12 different states and 1 foreign country. We have not limited ourselves by focusing on one particular type of project or a single location. Instead, we choose to maintain a diverse practice which allows us to begin each project with renewed enthusiasm. Our range of project types have helped us develop a broad knowledge base that will prove beneficial as we examine options and opportunities for your project site.

Government projects come in all shapes, sizes and costs. ETB has assisted local governments with all stages of development from identifying potential sites, preparing preliminary engineering reports, preliminary pricing, completing applications, coordinating with various government agencies, design, construction documents, and construction contract administration services. ETB also has a great deal of experience creating graphic imagery for presentations to various government agencies, as needed. This is just another step in the process of moving your projects forward and we are anxious to work with you to obtain the necessary approvals.

PROJECT GOALS and OBJECTIVES

Project Goals and Objectives 2.1 – “Provide a complete design including all engineering, including mechanical, electrical and plumbing and architectural disciplines, to prepare construction bid documents for West Virginia State Purchasing. Design shall include all Architectural and Engineering disciplines to design an approximately 1,300 square foot billeting cabin, and site design to maximize the number of cabins for the site (approximately 4).

E. T. Boggess Architect, Inc. has been developing architectural designs, plans, specifications, estimates and other construction/bidding documents for projects for over 60 years. We are very familiar with the rules and regulations associated with both the WVARNG and the State of West Virginia.

Todd Boggess, President of ETB, serves on the WV Board of Architects and is active in verifying that each architect registered in our state is competent to practice. From overall team management and project design, his involvement often involves interior design elements and product/material selections to “fit right” in a particular setting. Todd will be **your architect** and point-of-contact in order to ensure the needs and objectives of the WVARNG are fully addressed to your satisfaction.

Over the past few years, ETB has been very active with a variety of housing projects for a diverse clientele, from private individuals to community agencies. Below is a brief description of a few of those projects. More information can be found in Section 3.

Cabins - We have also designed several cabins and planned developments for the ATV tourism industry. One development, the ATV TrailCamp at Coal Dale consists of 2- bedroom cabins with full-size kitchen and living area. 2 cabin units were built adjacent to each other for a total of 8 cabins on the property.

Cottages - We recently completed construction documents for living units specifically for patients at Mon Health in Morgantown. These cottages will be the first constructed with new technology featuring an insulated, structural, modular concrete panel provided by Omnis Building Systems.

Senior Housing - In recent years, we have been working with Community Works in WV to provide affordable housing for senior citizens. We completed a four-building, 16 unit project in Greenville, WV several years ago and recently completed the Main Street Hinton project. These projects were accomplished utilizing the Federal Home Loan Bank (FHLB) Affordable Housing Program and WV Housing Development Funds.

Upcoming Housing – ETB has recently been selected to provide lodging designs for Housed-Up which is trying to provide Permanent Supportive Housing in Fayette and Raleigh Counties. We are also working with ELR to provide lodging at Range 1, a military training facility. The Range 1 facilities will include a site design and a “neighborhood” layout for 10, 700 – 800 sf cottages.

Our MEP consultant for this project will be **Harper Engineering**. Harper Engineering was founded in 2008 to provide innovative engineering design services to architects, owners and contractors throughout the State of West Virginia. They possess the talent and resources to provide quality mechanical, electrical, and plumbing design. Their staff utilizes the latest Building Information Modeling (BIM) software to provide an accurate system design with minimal change orders during construction. Their goal is to design optimized systems that meet all of the client’s performance, energy use, and budgetary needs. The staff at Harper Engineering includes highly trained and skilled professionals and their designs meet the 21st century standards of indoor air-quality, energy use, and fire safety. Their experience includes government, military, K-12 schools, hospitals, offices, airports, manufacturing, and water treatment plants.

Terradon Corporation will provide site/civil engineering and planning services. Land development is one of their foundational services, and is often at the center of project that include other engineering services. Taking an undeveloped piece of land and transforming it to your vision requires creativity, attention to detail, and the ability to stay focused through a complex process. Terradon’s land development team has extensive experience with both private and public entities.

Project Goals and Objectives 2.2 – “Designer shall provide all geotechnical work, if required, to include any necessary drill borings, designer shall be responsible for researching and investigating the location of existing underground and above ground utilities, and to provide drawings and specifications of all utility and road infrastructure as needed and directed by the owner and/or state agency, utility company or other utility approval authority for Kingwood, West Virginia.

Site/Civil Engineering Consultant – As stated above, Terradon Corporation will be providing all the required site/civil engineering services required to successfully accomplish the project. Terradon tailors their approach to the specific project, and collects the necessary data for decision making. They also provide an understanding of the data and a plan for their client to move forward. With the difficult soil and groundwater conditions found across our region, having an experienced staff that knows the territory is incredibly important. Terradon will coordinate with local utility companies and other team members, along with representatives from the WVARNG.

Project Goals and Objectives 2.3 – “Drawings and specifications are to be submitted at 35%, 65%, 95% and 100%, cost estimates are to be revised and submitted with each submittal at 35%, 65%, 95% and 100%.

Our team will provide the drawings and specifications as indicated and we will provide the documentation as per the schedule we establish with the owner. Cost estimates will be revised and refined throughout the design process and submitted with the 35%, 65%, 95% and 100% packages.

Project Goals and Objectives 2.4 – “Provide construction bid services and administration services to the Owner.”

ETB provides professional A/E services, including bidding and construction contract administration, for all of our projects. We understand that the WV Purchasing Division will be handling most of the bidding activities. However, ETB can provide services as the owner needs, including distributing bid packages, coordinating the pre-bid conference, and addressing questions with addendum. Our project managers will work with your designated representative to ensure all general contractors receive the necessary information to submit a legitimate bid.

Contract administration services are important in order to ensure construction conforms to the design intent of the construction documents; to lessen project risks; and to identify and resolve construction problems early in order to keep the project on schedule. ETB has a dedicated construction administration manager who recently provided CA services on the WVARNG Clarksburg Armory Project. ETB always provides CA services, regardless of the project location, typically every two weeks.

PHILOSOPHY

Communication, collaboration, and consensus are the three elements we feel are essential to the planning, design and building process. Our goal is to develop a “partnership” with our clients – a relationship that includes a long-term commitment, trust, and shared vision. ETB also believes architectural design should be an *interactive process*. We work closely with you to identify and define all your project goals, objectives, functions, responsibilities, and relationships. This interactive approach enables us to develop facilities that meet your requirements, as well as being aesthetically distinctive. Design cannot be mass produced or provided in a “cookie cutter” fashion, it must be developed from scratch with the unique attributes of each individual project in mind. Our approach is not only about our ideas . . . it is about *you and your ideas*.

We believe that our standard approach allows us to better address your specific project. We **look** at what you have (evaluation), **listen** to what you need (interactive programming), and then provide **designs** that address the needs specifically for each building. The integrated design process, which we have always implemented, seeks input from the owner(s), the employees who will be working in the building and the maintenance personnel who will be maintaining the facility. The success of many of our projects is a direct result of the information and ideas discussed during the initial planning and programming meetings.

Sustainability is an implicit goal for every project that ETB is involved with. We practice a “goal-oriented” approach to sustainability that addresses project-specific performance goals with solutions that are evaluated based on need, cost-effectiveness, durability, maintenance, safety and their contribution to the quality of the physical and educational environment.

The ETB team is committed to designing high quality, low maintenance government facilities. We believe that it is imperative that both the short and long-term cost implications be considered when selecting building materials and systems. We favor the use of permanent materials over those that have measurable life spans or must be periodically replaced or upgraded. Interior finishes, especially those located in high traffic areas such as restrooms, are evaluated based on their durability, resistance to wear and ease of maintenance. Other items, such as plumbing equipment and fixtures, toilet accessories, light fixtures, and doors and hardware are also carefully selected.

QUALITY MEASURES

A component of our management approach is the development of an individual strategy for each project, focused on the specific problems to be solved. This strategy considers the staff members assigned to the project, the scheduling and duration of work phases, the use of special consultants or specialized studies. Our Project Management Plan (PMP) will document key management and oversight tasks and is updated throughout the project as changes occur. The plan will include a definition of your program goals, technical requirements, schedules, resources, budgets, and management programs. Once we gain a better understanding of your scheduling targets, we will be able to determine exactly what resources we will need to dedicate to the project.

The Integrated Design Process is our process of design in which the owners, users and the ETB team (architects and engineers) are all integral team members. This integrated process and the implementation of high performance design requires both efficiency and innovation. In our role with this team as the design leader and project organizer, ETB will be responsible for coordinating and orchestrating the work of our in-house architects with your representatives throughout the planning, programming, design, documentation, and administrative functions of the project.

Your project will be completed by emphasizing the following activities:

- **Understanding goals.** We develop a plan for identifying and prioritizing individual goals as a means for addressing the overall project.
- **Brainstorming ideas.** We investigate opportunities for greater service through value engineering, strategic partnering, or an alternative delivery method.
- **Assuring timelines.** We generate a management plan to fulfill deliverables and meet milestones on schedule.
- **Maintaining client contact.** We are accessible, convenient, and committed to success from the beginning through the design process, and after completion.
- **Inviting performance feedback.** We involve all team members and clients in project evaluation at closeout and determine how well time, cost, and design goals were met.

Project Management - Our project managers provide efficient leadership managing the team dynamics, budget, schedule, and the flow of information. The project manager's role also includes assisting the client with the management of services and consultants that may not be a part of this contract, but still may have an impact on workflow and infrastructure coordination. The effective implementation of your goals and objectives will be realized through frequent and consistent collaboration among all the design disciplines.

ETB understands the importance of ensuring that all schedules and budgets are met. Our strength is in the delivery of appropriate and analytical solutions for complex buildings in strict conformance with budget and time constraints. The process begins with the development of the project schedule with input from each stakeholder engaged in the process. Accelerated schedules require even more dedication to benchmarks and deadlines, identifying production problems early and making the necessary adjustments before issues become too great to be effectively managed. Completing projects on time requires effective schedule management and a commitment of the entire project team.

Cost Management - We believe that the management of costs and/or risks begins with the development of fully vetted alternatives which enable you to make informed choices about the project. We search for simple and effective solutions which support the different services provided for your citizens. We also believe that the evaluation of cost must extend beyond the costs of construction, and consider the costs of operations, human resources, energy and sustainability.

Quality Control - Quality control starts with matching expectations about quality standards and life cycle costs with budget and scope during planning and design reviews. This continues through construction delivery with a program of inspections, tests, and certifications that are typically handled through a third-party agency. Quality control should flow seamlessly from one phase to another. The "partnership" we develop during the project assists us in maintaining a high-level quality control standard with everyone working together in the project's best interest. We strive to coordinate performance among the entire project team in order for a completed building program to fully satisfy your needs and expectations. The quality control plan we follow should help eliminate errors, reduce cost and improve overall building quality.

ETB normally follows the plan as outlined below:

- Keep the lines of communication open and consistent between all team members
- Share lessons learned from recent similar projects, include value engineering
- In-house reviews to address issues with constructability and budget restraints
- Utilize past experiences related to construction administration
- Provide post construction administration services to be utilized on future projects

Quality Assurance - We feel quality assurance is the ability of an architect to provide the client with a set of documents that satisfies the client's needs and are as accurate as possible. ETB believes quality assurance is an ongoing process, not just a one-time occurrence. No project is perfect, however, we strive to achieve maximum client satisfaction. To that end, we have set the following goals for ourselves:

- Promote teamwork
- Quality management throughout entire project – *Effective Communication*
- Prompt response to client's requests – *Availability*
- Creation of quality construction documents – *Purpose Driven*
- Error *prevention*, not error catching – *Standard Practices*
- Personal pride in our work – *Motivation*
- Go the extra mile whenever necessary – *Service Oriented*

OBJECTIVES

Our approach to the new billeting cabins for the WVARNG will begin with an examination of the program. Through careful and methodical planning, incorporating programmatic requirements, the ETB team will develop conceptual design solutions that will incorporate all your proposed functions.

The ETB team believes that architectural design and solutions can be inspired by the contextual character of the surrounding environment. Any correlation between the existing buildings around the proposed site and the new cabins will need to be incorporated into the design. Vehicular and pedestrian traffic/parking will need to be taken into consideration during site planning, as well as landscaping and site amenities.

PHASES

The ETB team is uniquely qualified to provide all of the services the WVARNG will need for the project. Our services will be accomplished in steps or phases as listed below. Throughout the entire process, we will continue to utilize an interactive design process and maintain effective communication. The information that follows describes our phases and services:

- Planning/Programming Phase
- Schematic Design Phase
- Design Development Phase
- Construction Documents Phase
- Bidding/Negotiation Phase
- Construction Contract Administration Phase

Planning & Programming Phase

The Planning and Programming Phase will include both ETB and representatives from the guard to lay the groundwork for the new cabins. We will review all applicable codes and standards, as well as analyze the proposed site for challenges and encumbrances. We will review case studies and overall project objectives, along with your overall plan for Camp Dawson. We will also evaluate approaches, materials and methods to realize cost effective, low maintenance facilities and long-term solutions.

Services/tasks include . . .

- Determine project's goals and design objectives.
- Identify project constraints and opportunities.
- Review and analyze data on each space program
- Examine the proposed site

Schematic Design Phase

The schematic design documents will establish the general scope and conceptual design for your project, and the scale and relationships of the building components. The main goal of this phase is to arrive at a clearly defined, feasible concept and to present it in a form that will result in your understanding and acceptance.

You will have the following items to review at the end of this phase:

- Preliminary Building Plan with elevations or space adjacency studies
- Perspective Sketches and Building Model Mass/Materials' Studies
- Preliminary Cost Estimates

Preliminary graphic imagery can also be generated during this time. Graphic imagery can be utilized to gain community support as well as submitted with grant applications to help the review committees to better understand the project.

Design Development Phase

Services in the design development phase are structured to achieve the refinement and coordination necessary for a polished work of architecture. During this phase, decisions made in schematic design are worked out at a more detailed level to minimize the possibility of major modifications being needed during the development of construction documents.

Your design team arrives at a clear, coordinated description of all aspects of the design, including . . .

- Site/Civil
- Architectural
- Structural
- Mechanical
- Electrical
- Plumbing
- Fire Protection Systems

Construction Document Phase

Construction documentation is the bridge between building design and physical building form. A key element of documentation services, construction drawings provide the instructions for transforming the design solution into brick, mortar, landscapes, access, etc. The purpose of providing construction document drawings is to provide graphic documentation for bidding and execution of construction services.

Services/tasks include . . .

- Prepare construction drawings based on approved DD drawings.
- Coordinate and incorporate drawings from all team members.

- Prepare specifications to accompany drawings to establish a desired level of performance.
- Submit documents to building code officials.
- Prepare bid packages/documents (construction drawings and specification manuals)

Bidding/Negotiation Phase

Construction procurement activities assist the client in obtaining competent construction services. Our team will prepare bid packages or request for proposals/qualifications, and we will support the selection, negotiation, and contract award processes.

Services/tasks include . . .

- Assist client in selection of project delivery method.
- Organize or participate in pre-bid conference.
- Distribute bidding documents (blueprints and manuals)
- Address questions submitted by bidders.
- Review and evaluate competitive bids.
- Award contract for construction.

Construction Contract Administration Phase (Task II)

Contract administration services are important in order to ensure construction conforms to construction documents; to support the design intent; to lessen project risks; to identify and resolve construction problems early; and assist you in understanding the construction process. The architect, serving as a construction administrator, observes construction for conformity to construction drawings and specifications.

Services/tasks included . . .

- Establish lines of communication.
- Coordinate the pre-construction meeting.
- Maintain and distribute paperwork/records, including final project manuals and prints.
- Respond to contractor's requests for information.
- Track changes in construction documents.
- Review contractor's requests for payment.
- Review shop drawings and product information.
- Prepare field reports and records.
- Completion and closeout procedures, including preparation of punch list.
- Assist with any post-occupancy issues.

ATV TRAILCAMP

Coaldale, WV

PROJECT DETAILS

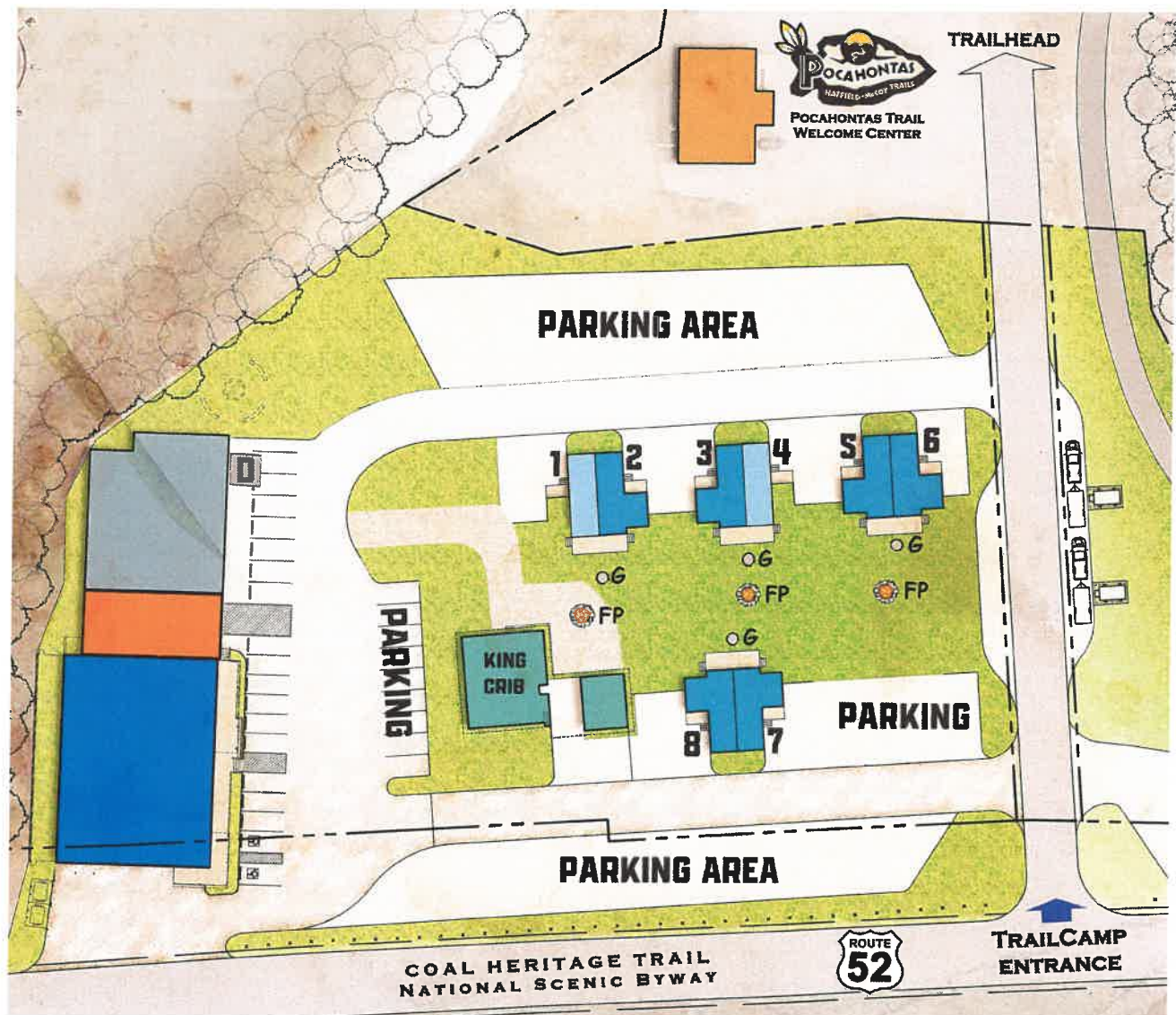
owner/district:
Private Developer

size:
3.5 acres



TWO
BEDROOM
CABIN

ETB provided master planning and architectural design for the site, cabins, renovations to an existing metal building and house that caters to the ATV enthusiast.



ATV TRAILCAMP

Coaldale, WV

PROJECT DETAILS

owner/district:
Private Developer

year:
2018

size:
3.5 acres

The ATV TrailCamp at Coaldale opened in the spring of 2023. The 8 duplex cabins provide all the comforts of home and are located adjacent to access the the Pocahontas Trail portion of the Hatfield/McCoy Trail System. ETB provided master planning and architectural design for the site, cottages, renovations to an existing metal building and house that will cater to the ATV enthusiast.



COAL COMPANY CABINS

West Virginia

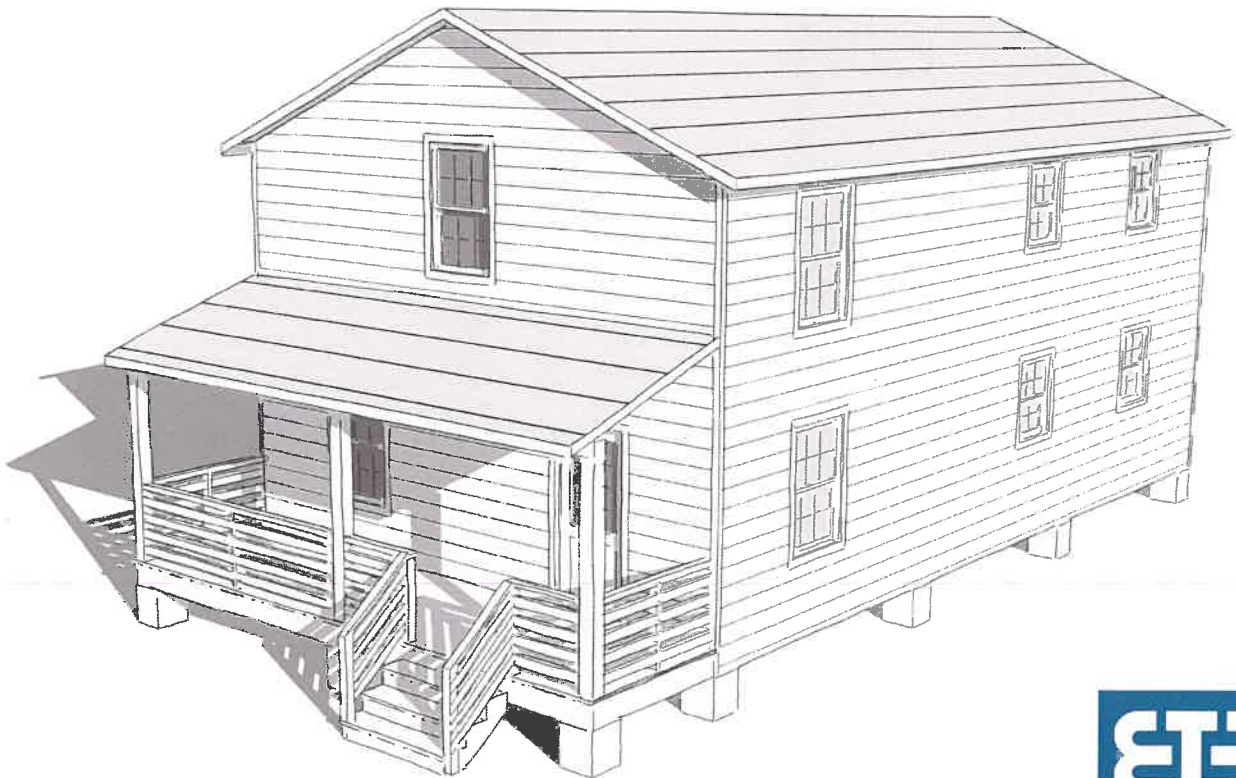
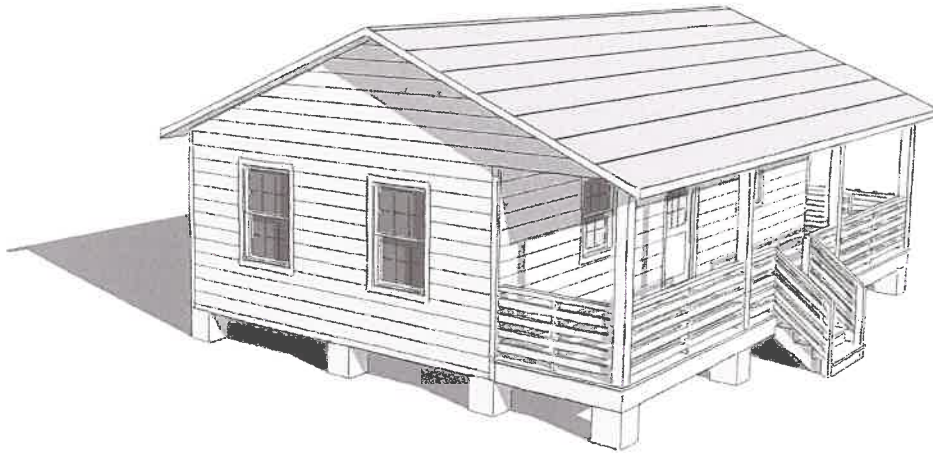
PROJECT DETAILS

owner/district:
Private Developer

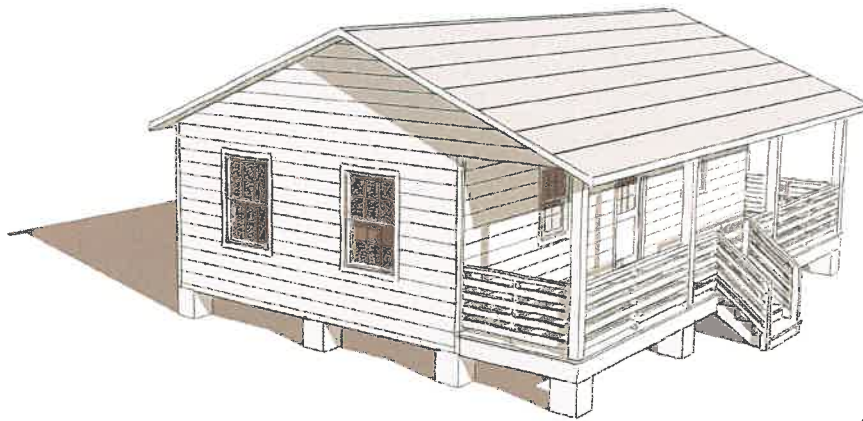
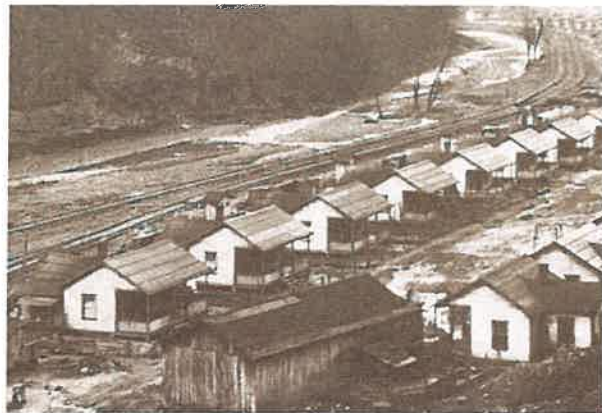
year:
2020

size:
multiple

ETB provided preliminary graphic design of multiple cabin lay-outs. The developer wanted to create the look of "coal company houses" that were provided to miners throughout the coalfields. The proposed site for the development is along the Hatfield-McCoy ATV Trail.



COAL COMPANY CABINS West Virginia

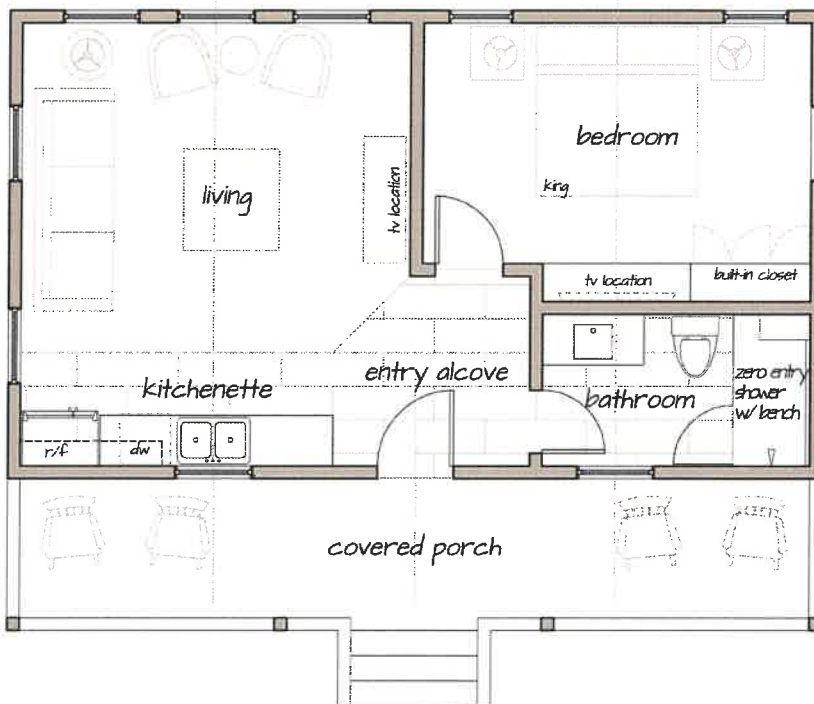


Coal Camp Inspiration

simple forms / ridge parallel to roadway
simple materials / rolled roofing and wood siding
minimal trim / thin columns and piers

Conceptual Exterior Design

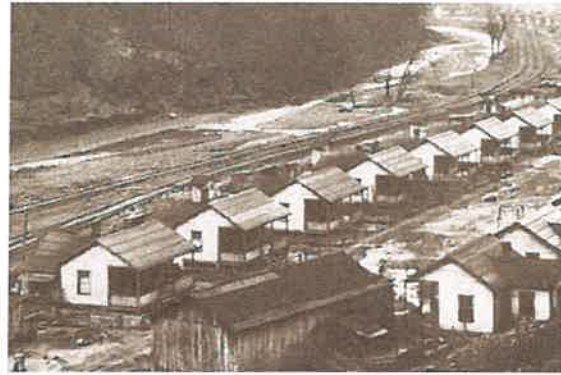
One Bedroom Cottage Floor Plan



592 sf
32'-0" x 18'-6" footprint
32'-0" x 6'-0" front porch

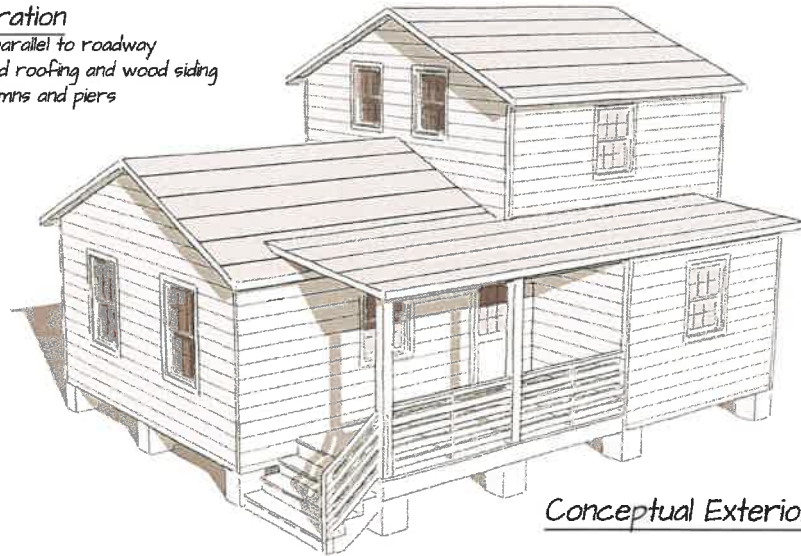
COAL COMPANY CABINS

West Virginia



Coal Camp Inspiration

simple forms / ridge parallel to roadway
simple materials / rolled roofing and wood siding
minimal trim / thin columns and piers



Conceptual Exterior Design

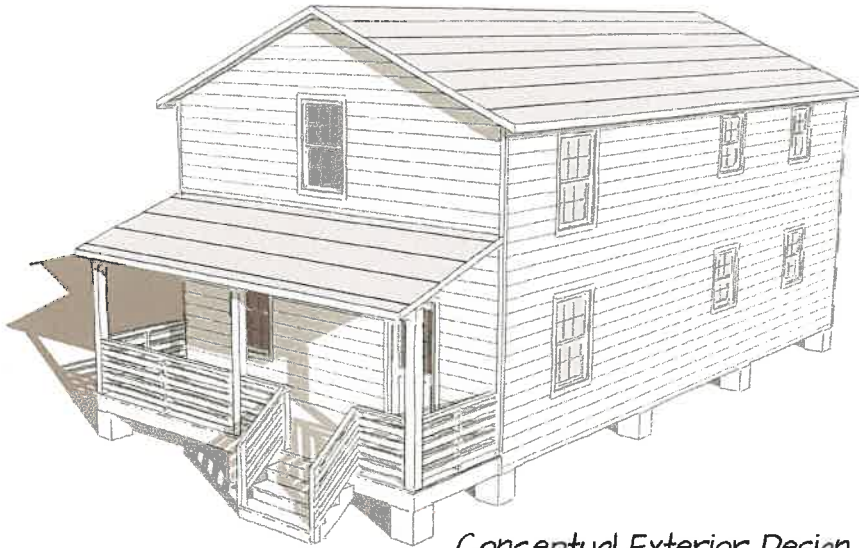


Two Bedroom Cabin Floor Plan

931 sf
32'-0" x 18'-6" footprint
11'-6" x 6'-0" bathroom addition
14'-6" x 6' front porch

COAL COMPANY CABINS

West Virginia



Conceptual Exterior Design

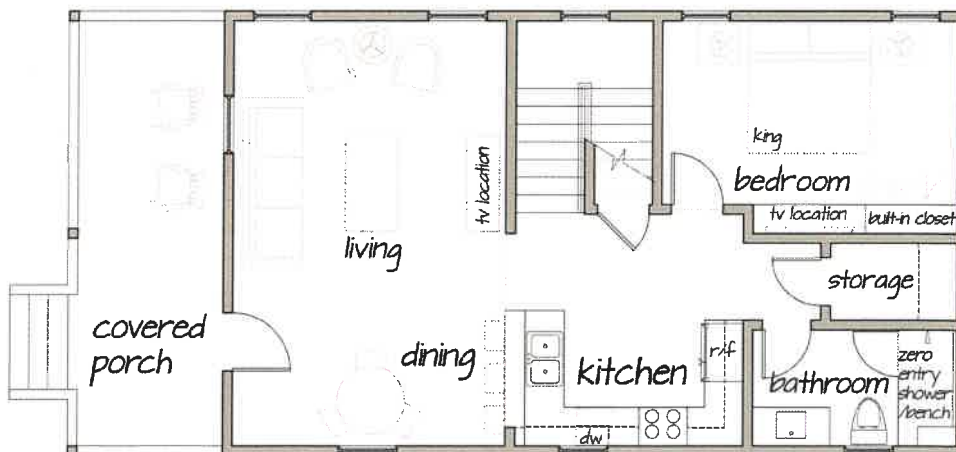


Coal Camp Inspiration

simple forms / ridge parallel to roadway
simple materials / rolled roofing and wood siding
minimal trim / thin columns and piers



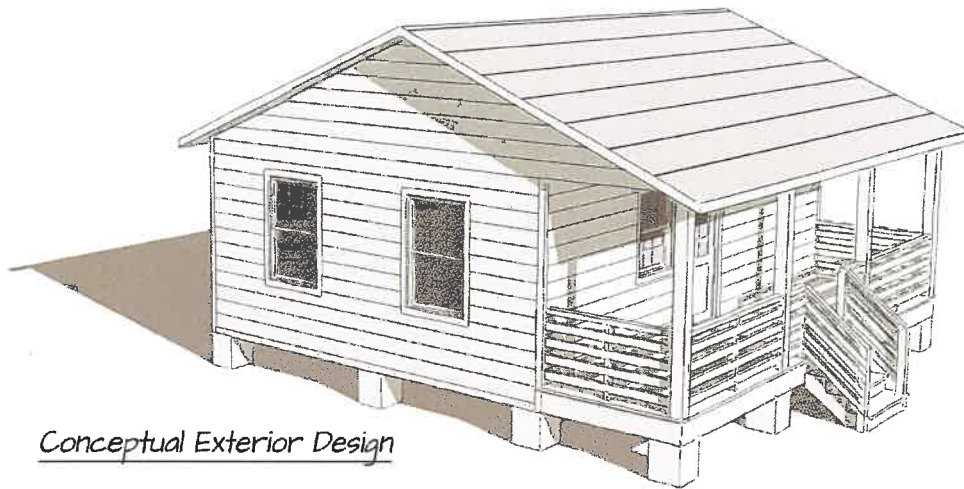
Three Bedroom House Floor Plan



1,363 sf
38'-3" x 23'-0" footprint
23'-0" x 8'-0" front porch

COAL COMPANY CABINS

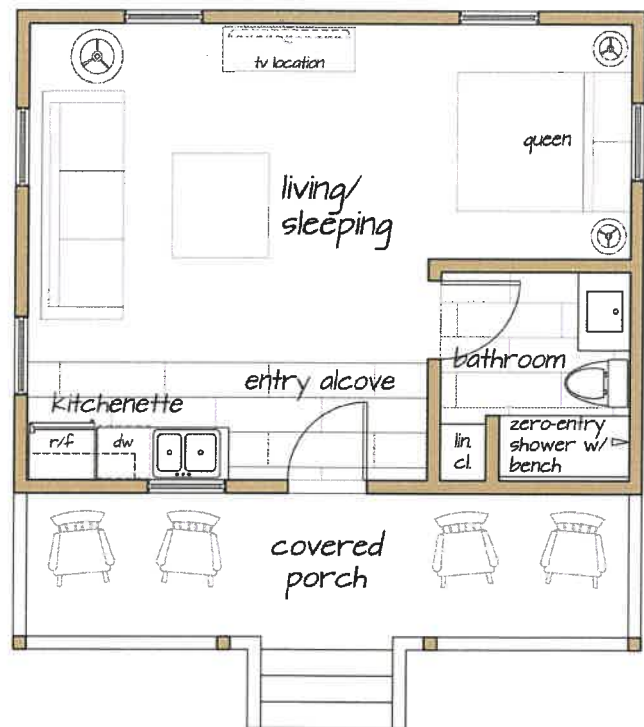
West Virginia



Conceptual Exterior Design

Studio Floor Plan

444 sf
24'-0" x 18'-6" footprint
24'-0" x 6'-0" front porch



Coal Camp Inspiration
simple forms / ridge parallel to roadway
simple materials / rolled roofing and wood siding
minimal trim / thin columns and piers

CARING COTTAGES

Morgantown, WV

PROJECT DETAILS

owner/district:
Mon Healthyear:
2024size:
640 SF

The Caring Cottages will provide temporary housing for individuals and their immediate caregiver or family member who is receiving cancer treatment. The patient will be able to easily access the medical facility while trying to preserve a sense of "normal" in their daily lives. In addition to not having to travel a great distance immediately after receiving treatment, the patient will be able to remain close to their doctor should an emergency situation arise.



The goal was to create a positive, home environment to assist in the healing, treatment, and recovery processes. The atmosphere, ease of access and functionality of the cottages were driving forces in their design. Construction on the cottages and site is currently underway.



CARING COTTAGES

Morgantown, WV



ATV RESORT AND LODGE

West Virginia

PROJECT DETAILS

owner/district:
Private Developer

year:
2016

size:
40 acres w/ 36,000 sf Lodge



ETB provided master planning and architectural design for the resort that will cater to the ATV enthusiast. The proposed development includes a lodge & restaurant, cottages, RV sites, bathhouse, open-air pavilion, picnic areas, and ancillary facilities. The master plan also shows circulation, roads and parking areas.



MASTER PLAN

ATV RESORT AND LODGE West Virginia



STANDARD COTTAGE



DELUXE COTTAGE



STANDARD COTTAGE PLAN



DELUXE COTTAGE PLAN



COTTAGE NEIGHBORHOOD



COTTAGE NEIGHBORHOOD PLAN

ASHLAND KOA CAMPGROUND

Ashland, WV

PROJECT DETAILS

owner/district:
Ashland KOA Campground

year:
2005

type:
new construction



ETB designed two different cabin layouts for the Ashland KOA Campground.

The cabins are equipped with a full-service kitchen, including a granite countertop, bathroom with shower, sitting area, loft and front porch.

Each cabin will sleep 6. The bedroom has bunk beds or a full-size bed. The main room has a queen-sized murphy bed.

Exterior features include picnic tables, a fire pit, and wonderful views from the front porch swing.



SENIOR LIVING CENTERS

Hinton and Greenville, WV

PROJECT DETAILS

project name:
Main Street Hinton
Senior Living Center
(top)
and
Greenville Senior
Living Center
(bottom)

year:
2018 - 2023

size:
4 units / building

The goal for both of these Senior Living Centers was to go above and beyond minimum compliance with the adopted codes and law; to provide a quality of life that does not diminish even if abilities do. The design is configured to allow complete accessibility adaptation to every unit. Each quadraplex contains one two-bedroom home that is completely accessible for all mobility impairments. The remaining three one-bedroom units allow for complete accessibility adaptation for mobility impairments should the need arise.



OVERALL FLOOR PLAN

SCALE: 1/8"=1'-0" BUILDING AREA - 3,520 SF +/-

DESIGN CONSIDERATIONS

Door Sizes

Turning radius

Unobstructed travel paths

Reach heights

Closets' width and depth

Protrusion off wall limits

Work surfaces

Grab bars and blocking for future

Roll-under sinks

Accessible freezer storage

Audible & visual smoke detector devices

Clearances at ... door approaches
plumbing fixtures
laundry equipment

Greenville Senior Living Center



WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, WV

PROJECT DETAILS

owner/district:
WV Army National Guard

year:
2012

size:
50,000 sf

The Readiness Center has two main entrances; the front into the lobby and the rear into the assembly hall. The circular central core of the entrance leads to the administrative wing (east) and classroom wing (west). The facility contains a learning center library, storage areas, locker rooms, kitchen, break-room, and Telcon spaces. Areas within the lobby will be used for recruiting, family support and distance learning.

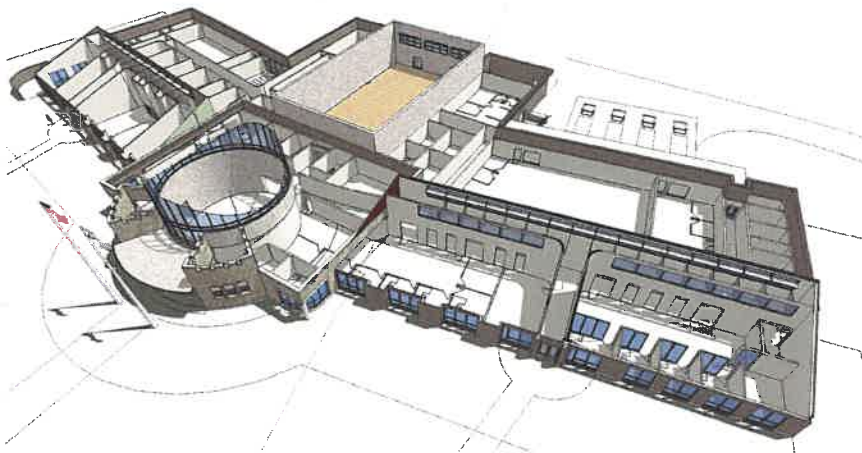
The project also included the design and construction of a separate structure for secure storage maintenance/ workshop/ office structure.



COMPUTER VISUALIZATION

WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, WV

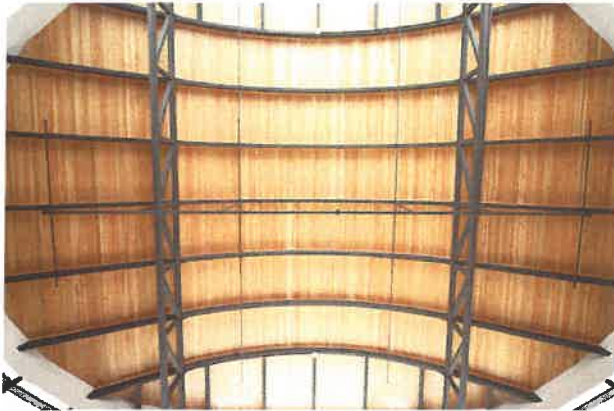


E. T. BOGGESS, ARCHITECT, INC.



WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, WV



Todd Boggess, AIA, NCARB, Architect
President/CEO

EDUCATION

- Master of Architecture, Clemson University School of Architecture
- International Studies, Clemson University Daniel Center for Urban Design & Building Studies, Genoa, Italy
- Bachelor of Arts Degree in Design, Clemson University School of Architecture



RESPONSIBILITIES

Todd joined ETB as a project architect and office manager in 1988 after graduating from Clemson University. In January, 2001, he assumed the office of President. Todd currently serves as President/CEO of the company and is responsible for all aspects, including . . .

- business development
- architectural programming / planning
- architectural design and development
- project management and coordination
- client relations
- interior design / space planning
- architectural design graphics
- construction contract administration

Your project will receive his complete attention, from the interview and project meetings, through the construction process. As the president of the firm, you are putting your trust in him and he takes that commitment very seriously. He wants to make sure you are satisfied with our service, performance, and design.

COMMITTEES

Board of Directions for the Mercer County Convention & Visitors Bureau (since 2020)

West Virginia Board of Architects (since 2014) – Governor Tomblin appointed Todd to this board which is responsible for protecting the life, health and property of the people of the State of WV by ensuring that proper architecture practices are used in the state.

Princeton Zoning Board of Appeals (since 2000) – Todd has been asked to serve on this local committee for the past 24 years. He currently serves as vice-chair. The board is responsible for reviewing and ruling on appeals to the existing Princeton Zoning Laws.

Preservation Alliance of West Virginia (past board member)

PROJECTS

WWARNG Projects

- WWARNG Readiness Center and Vehicle Maintenance Facility, Elkins
- WWARNG Joint Forces Headquarters (*Renovation*), Coonskin Park, Charleston
- WWARNG Clarksburg Armory Windows & HVAC (*Renovation*), Clarksburg
- WWARNG Brushfork Armory Restrooms (*Renovation*), Bluefield

Cabins / Cottages / Housing / Lodging Projects

- ATV TrailCamp, Coaldale
- ATV Development – Housing/Lodging, Logan County
- ATV Development, Boone County
- Caring Cottages for Mon Health, Morgantown
- Greenville Senior Living and Community Center, Greenville
- Main Street Hinton Senior Living, Hinton
- Restore Riverview (*Renovations*), Clendenin
- Creekside Villas (*Renovations*), Snowshoe
- Liberty Station Lodge & Tavern (*Renovation Design – Adaptive Reuse*), Bramwell
- Old Stage Crossing Housing Development, Wytheville, VA
- Garden Oaks Housing Development, Princeton
- Spearhead Trail Development (cabins), Tazewell County, VA

Government / Recreation / Tourism Projects

- Pipestem State Park (*Multiple Projects*), Pipestem
 - Conference Center Addition
 - Kitchen Upgrades
 - Connecting Bridgeway
 - Deck and Ramp at Golf Clubhouse
 - Picnic Shelters
- The Summit Bechtel Family National Scout Reserve, Mt. Hope
 - Bathhouse Design & Construction Admin.
 - Observation Deck
 - Pavilion Design Options

Stephen Mackey
Design & Graphics
/ Code Research



EDUCATION

- Bachelor of Arts Degree in Design,
Clemson University School of Architecture
- Master of Architecture,
Clemson University School of Architecture

RESPONSIBILITIES

With over 30 years of experience in all phases of design and construction, Mr. Mackey brought strong design, management and leadership skills to the firm. His significant experience has enabled him to successfully oversee the design and construction of educational projects for ETB and other architectural firms. Specific project responsibilities include:

- code review and analysis
- educational planning and programming
- conceptual design
- design visualization
- project coordination
- construction specifications

PROJECTS

Mr. Mackey is responsible for the production of graphic imagery for many of our larger projects. In addition to his design responsibilities, Steve assists with code research, quality control and constructability reviews. Steve rejoined ETB in 2009 and has been focused on government/public projects since his return.

- WVARNG Readiness Center and Vehicle Maintenance Facility, Elkins
- WVARNG Clarksburg Armory Windows & HVAC (*Renovation*), Clarksburg
- WVARNG Brushfork Armory Restrooms (*Renovation*), Bluefield
- Municipal Complex for the City of Princeton (*adaptive re-use*), including
 - Administrative
 - Police
 - Fire
 - Public services
 - Community Center / Recreation
- Caring Cottages for Mon Health, Morgantown
- The Summit Bechtel Family National Scout Reserve, Mt. Hope, WV

Nathan Turner, LEED G.A.
*Project Manager/
Construction Administration*



EDUCATION

- Bachelor of Science, Engineering Architecture, Fairmont State University
- Master of Architecture (May, 2009) Boston Architectural College

RESPONSIBILITIES

Mr. Turner rejoined ETB in 2022 and brought with him a wealth of experience in architectural design, as well as construction methods and practices. His previous experience at ETB involved a number of government and educational facilities. Nathan is LEED certification and will assist in our efforts to provide a “green” approach to as many projects as possible. He will be focusing primarily on construction contract administration activities.

Specific project responsibilities include:

- architectural programming
- construction documentation
- project management
- project coordination
- construction specifications
- construction administration

EXPERIENCE

- WVARNG Readiness Center and Vehicle Maintenance Facility, Elkins
- WVARNG Clarksburg Armory Windows & HVAC (*Renovation*), Clarksburg
- WVARNG Brushfork Armory Restrooms (*Renovation*), Bluefield
- ATV TrailCamp, Coaldate
- Restore Riverview (*Renovations*), Clendenin
- Creekside Villas (*Renovations*), Snowshoe
- The Summit Bechtel Family National Scout Reserve, Mt. Hope, WV



Mechanical, Electrical, and Plumbing Engineering

Harper Engineering, PLLC has the talent and resources to provide quality mechanical, electrical, and plumbing design. Our staff utilizes the latest building information modeling (BIM) software to provide the accurate system designs with minimal change orders during construction.

Our goal is to design optimized systems that meet all of our client's performance, energy use, and budgetary needs.

The staff at Harper Engineering, PLLC has over 100 years of experience working with clients in a variety of fields including, but not limited to, K-12 schools, hospitals, offices, airports, manufacturing, multi-family housing, and Design/Build. The following is a partial listing of projects that demonstrate Harper Engineering's mechanical, electrical, and plumbing design experience:

Services:

HVAC Design

- Heating and Cooling load calculations
- Ductwork sizing
- Hydronic pipe sizing
- Equipment selection

Electrical Design

- Electrical load calculations
- Panel and switch gear selection
- Lighting
- Fire alarm
- Site Utilities
- Emergency Generators
- Security and communications

Plumbing Design

- Pipe Sizing
- Fixture Selection
- Sprinkler design
- Site Utilities



Harper
Engineering

Jason E. Harper **Professional Engineer**

Experience

Mr. Harper brings 20 years of design experience to the firm. He has expertise with HVAC, electrical, plumbing, sprinkler and fire alarm system designs. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, postal facilities, and government buildings.

Mr. Harper's role with the firm includes, but is not limited to, office manager, project manager, draftsman, and Building Information Modeling coordinator. He oversees projects from the early design phase through construction administration to post construction. He assists the project architect and design team with valuable mechanical, electrical, and plumbing information early in the project to ensure it is adequately designed to handle the client's needs.



Registration/Professional Affiliations

Professional Engineer WV - 017278
American Society of Heating, Refrigeration and Air-
Conditioning Engineers - 8179177
National Fire Protection Association - 2748712

Projects

HVAC Additions to Taylor County Middle School
Poca High School Elevator Addition
Chapmanville Intermediate School
Burch PK-8 School
Lewis County Transportation Facility
HVAC Renovations to Tucker County High School
South Preston PK8 School
Arnoldsburg Elementary School
Additions and Renovation to Geary School
Tunnelton Denver Elementary School
HVAC Systems Renovations to
Upshur County Elementary Schools
Additions and Renovations to Flinn Elementary
Doddridge Annex
Wetzel Annex
Stonerise Nursing Homes (Multiple Projects)

Education

West Virginia University Institute of Technology
Bachelor of Science - Mechanical Engineering



Harper
Engineering

Kevin M. King **Professional Engineer**

Experience

Mr. King brings 18 years of electrical design experience and over 15 years of electrical construction/maintenance experience to the firm. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, government buildings, and industrial projects.

Mr. King's role with the firm includes, but is not limited to, project manager, draftsman, specification writer and construction administration. He oversees projects from the early design phase to post construction. He assists the project architect and design team with valuable electrical information early in the project to ensure it is adequately designed to handle the client's needs.



Projects

FedEx Freight - 32 Bay Expansion
Arnoldsburg Elementary School
Chapmanville Intermediate School
South Charleston Fire Station
Geary Elementary School
Holden Elementary School
Hurricane High School Batting Facility
Marshfork Elementary School
Tudor's/Gino's Restaurants (Various Location)
Additions and Renovations to Flinn Elementary
Stonerise Nursing Homes (Multiple Projects)

Registration/Professional Affiliations

Professional Engineer WV - 018222
Professional Engineer KY - 27522
Professional Engineer PA - 078377
Professional Engineer OH - 75122
Professional Engineer VA - 0402049801
Professional Engineer SC - 33253
Professional Engineer NC - 052789
West Virginia Master Electrician - M27616420670800
American Society of Heating, Refrigeration and
Air-Conditioning Engineers - 8259192
National Fire Protection Association - 2915791

Education

West Virginia University Institute of Technology
Bachelor of Science - Electrical Engineering

Bluefield State College
Bachelors of Science - Computer Science



State Parks

Cabwaylingo State Park Dining Hall

HVAC, Plumbing and Electrical Design for a new 3800 SF facility.

Chief Logan Lodge and Conference Center Pool

MEP design for new ventilation system for pool filtration.

Palentine Park Improvements

Site lighting and power for Splash Park pump, rest rooms, Amphitheatre and power for vendor receptacles.

State Offices & WVARNG

Camp Dawson Building 242

Electrical design for 2,300 sf training.

Eleanor WV Army Nation Guard Readiness Center & Maintenance Facility

HVAC, Plumbing, Sprinkler, Electrical and Fire Alarm design for the new 40,000 Readiness Facility and the 115,000 sf Maintenance Facility in Eleanor, WV.

St. Albans Armory Storage Building

HVAC, Plumbing, Electrical, and Fire Alarm design for a 3,000 sf storage building.

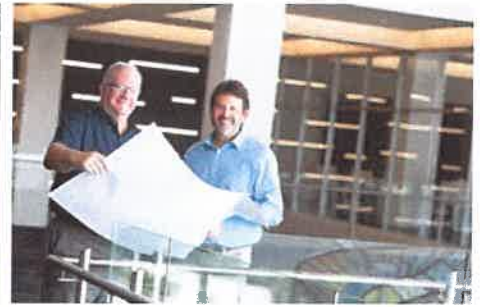
WV Department of Highways SRC Office Building

HVAC, Plumbing, Electrical, Fire Alarm, and Sprinkler design for renovations to the 39,400 SF addition and renovations to existing office building in Charleston, WV.

W. Kent Carper Justice and Public Safety Complex

HVAC, Plumbing, Electrical, Fire Alarm and Sprinkler design for renovations to a 62,400 sq. ft. Justice and Public Safety Complex.

Corporate Profile



FOUNDED: 1989

EMPLOYEES: 90

LOCATIONS:

Poca, WV
Lewisburg, WV
Fayetteville, WV
Washington, PA
Salem, VA

SERVICES:

Civil Engineering
Land Planning & Design
Survey & Mapping
Geotechnical Engineering
Transportation Engineering
Structural Engineering
Construction Services
Environmental Consulting

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 on 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 projects 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'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. TERRADON is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council and the National Women Business Owners Corporation.



Taking an undeveloped piece of land and transforming it to your vision requires creativity, an attention to detail, and the ability to stay focused through a complex process. Working alongside TERRADON, a team that seeks to understand and align solutions with client vision, project owners gain a partner that is experienced and capable of dealing with the obstacles that can arise. TERRADON produces plans, permits, and construction details to realize owners' vision.

At TERRADON, land development is one of our foundational services, and is often at the center of projects that include other engineering services. Experienced team members, utilizing modern technology and evolving procedures, help clients find innovative solutions to strengthen their project.

Through clear, constant communication with the client and a level of transparency unmatched in the industry, our project managers work to identify goals and develop answers. From cost models to simulation tools, we provide comprehensive analysis of situations, and deliver realistic schedules and estimates to meet client goals.

Supported by a large, highly-qualified team of engineers, landscape architects, and CAD designers, our land development team has extensive experience with both private and public entities. Such a depth of experience allows us to tackle complex projects that are critical to a client's time and budget needs. It's what has helped us develop extended relationships with clients, and has earned us regular referrals.



*TERRADON maintains
LEED accredited
professionals on staff.*

Services

- School and Institutional Site Development
- Master Planning
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Presentation Drawings/ Renderings
- Graphic Design
- Construction Observation
- Commercial Site Development
- Industrial Site Development
- Residential & Urban Site Development
- Rural Site Development
- Athletic Facility Development
- Low Impact Sustainable Development
- Parks and Recreational Site Development



Survey and mapping serves as the foundation of a successful design project. The data from these processes provides the framework for site planning, sets out boundaries to work within, and helps owners to determine the constructability of a project.

Survey and mapping serves as the foundation of a successful design project. The data from these processes provides the framework for site planning, sets out boundaries to work within, and helps owners to determine the constructability of a project. Utilizing state-of-the-art geospatial technology, our experienced field survey crews and licensed surveyors are efficient and accurate, priding themselves in precision data collection and informative outputs. Our tailored survey and mapping solutions demonstrates that our team is ready to tackle the needs of clients across a variety of industries, from roadway and government to commercial and residential clients.

With decades of experience, our exceptional survey and mapping teams aim to provide transparency and open communication throughout the process – both the client and our full project teams receive constant updates. This commitment to communication allows for informed decisions, providing the ability to adapt or modify project designs as needed across ever-changing site environments. At TERRADON, our survey and mapping team ensures that every project is efficient ethical and environmentally sound. This has made TERRADON the premier surveying and mapping firm in the region, and the company project owners turn to first.

SERVICES

- Boundary Surveys
- High Order Control Surveys
- Aerial Mapping Control Surveys
- ALTA/NSPS Surveys
- As-built Surveys
- Deformation and Monitoring Surveys
- Above Ground and Underground Utility Surveys
- Construction Staking
- Hydrographic Surveys
- Ground Penetrating Radar (GPR)
- Geodetic Surveys
- 3-D Terrestrial Scanning
- FEMA Flood Certificates, LOMA, LOMR, CLOMR, and CLOMR-F
- Design Level Base Mapping
- Topographic and Planimetric Survey Mapping
- Transportation Corridor Mapping
- Right-of-Way Mapping
- Highway Right of Way Plan Development
- Subsurface Utility Mapping
- Major and Minor Subdivision Plans
- GIS Mapping
- Drone 3-D Mapping
- Photogrammetric Mapping
- Dam Instrumentation Surveys
- FEMA Flood Certificates, LOMA, LOMR, CLOMR and CLOMR-F



At TERRADON, we tailor our approach to the specific project, and collect the necessary data for decision making. It's not just about supplying the data though – we provide an understanding and a plan for our client to move forward. It's not just collection and analyzation, it's about educating our clients on the risks and benefits of our data and recommendations.

With the difficult soil and groundwater conditions found across the Ohio Valley and the Appalachian regions, having an experienced staff that knows the territory is incredibly important. The team at TERRADON aren't just experts in geotechnical engineering, they are geographical experts – many of them are Appalachian Region born-and-raised, and understand the land where our clients build.

This has allowed TERRADON to tackle a vast variety of projects and industries, providing geotechnical investigation and advisement for everything from mining, to cell and high mast towers, to flexible or rigid pavement design. Even tasks such as landfill permitting and environmental remediation are well within our realm of experience.

Services

- Subsurface Exploration
- Test Borings
- Test Pit Excavations
- Monitoring Well & Piezometer Installation
- Slope Inclinerometers
- Soil and Rock Logging, Sampling & Testing
- Geotechnical Investigations & Site Characterizations
- Site Feasibility Assessments
- Soil and Rock Stability Analysis
- Shallow & Deep Foundation Design and Analysis
- Pile Drivability Analysis
- Groundwater Seepage Analysis
- Dewatering Analysis
- Landslide Analysis & Remedial Design
- Structural Corrections
- Temporary Shoring Design
- Earthen Dams Evaluations & Design
- Municipal & Industrial Landfill Design and Permitting
- Laboratory Testing
- Flexible & Rigid Pavement Design
- Earth Retention Systems
- MSE Walls, Gravity Walls, Anchors (Rock or Soil Nailing), Sheet Pile Walls, and Solider Pile & Lagging Walls
- Geosynthetic Engineering & Design
- Ground Improvement Design



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 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

WVARNG Eleanor WV Readiness Center

Eleanor, West Virginia



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

WVARNG Eleanor WV Maintenance Center

Eleanor, West Virginia



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.

Project Owner

WVARNG

Marshall University Recreation Center

Huntington, WV



TERRADON Corporation provided land development services for the Marshall University Indoor Recreation Center project on the Huntington, WV campus. As part of a team, TERRADON evaluated the University's program and needs in relation to available space. Standard design practices were incorporated with applied creative design and problem-solving to develop a unique solution that exceeded the University's need at an economically feasible cost.

The three story building is home to a number of sports and recreation amenities including four full size basketball courts, an aquatic center featuring two Olympic lanes, a hot tub and a whirl pool, three full size racquetball courts, locker rooms, outdoor resource center including a full size rock wall, 4 exercise studios, weight and cardio floors, an indoor running track and more. The facility is adjacent to the outdoor multi-purpose field.



TERRADON provided site design services for the roughly 14,000 square foot H. Bernard Wehrle Scout Service Center, a Boy Scouts of America Buckskin Council facility, near Charleston, WV. The center includes museum displays, conference rooms, a scout shop and other amenities to make it capable of hosting large meetings, volunteer training sessions, program coordination and overnight camping excursions. The Buckskin Council's existing Wyatt Scout Service, built in 1979 and located next to Daniel Boone Park on Kanawha Boulevard East, was refurbished and incorporated in the new building. The new building is nearly three times the size of the current building.

TERRADON provided pre-construction, design, and during construction services for the \$3.7 million renovation. The project was completed in a fashion where designers provided 30 percent plans and contractors began work while designers stayed ahead of them with engineering design and specification often times being performed in an expedited manner to meet aggressive time schedules.

TERRADON ensured construction activities met standard engineering specification and approved engineered drawings on a strict timeline. TERRADON provided construction documentation and project coordination for the fast track project. Oversight included CAD drawings, site layout and design, permitting, utility design, hardscapes and landscape architecture.



The Summit is a 10,600+ acre outdoor adventure center owned by the Boy Scouts of America. TERRADON performed site selection and site evaluation services. Additionally, the firm provided geotechnical investigations, design, survey, planning, and infrastructure design and inspection. Working under tight specifications and time restrictions, TERRADON spearheaded the delivery of the world class facility.

TERRADON worked with project owners to find the most feasible and economically beneficial site for the boy scout adventure site. The site selection in Fayette County, WV was chosen to compete with site selections across the United States. The competition was one of 28 site across 11 states.

TERRADON provided site prioritization and analysis to help project owners see the beneficial exponents to developing the outdoor adventure park in the mountains of West Virginia. TERRADON worked closely with state agencies during the site selection process to determine the best site development plans to economically benefit both the Boy Scouts of America as well as the state of West Virginia. The final design site was selected from scouring multi-acreage sites in different counties with specific elements considered including site feasibility, site readiness, budgeting exponents, and economic development. Prior to final selection, TERRADON's site was in the short list of three sites with two others in Virginia and Arkansas. The client was impressed with the quality and depth of our work that they hired TERRADON to do the bulk of the design work on site.



TERRADON provided land development and site civil engineering services for the development of the WV Advanced Technology Center located in South Charleston, WV. TERRADON evaluated various sites throughout the Kanawha Valley and did an evaluation process for the full project site.

The Advanced Technology Center was considered the main component of the project development. However, the sites were also evaluated on the opportunity they could provide for the possible future expansion of a Community and Technical College. The most suitable sites were selected out of the expansive pool of possible sites within the area. The candidate sites that were chosen were studied in detail and an intensive inventory and analysis phase was conducted to determine the most appropriate site location for the projects.

The inventory process consisted of gathering necessary information needed to evaluate each site based on a list of established criteria developed for this site selection process including visibility, site readiness, site size, and more. The list of possible sites was narrowed down to the ten best sites with the most potential for development. TERRADON used prior knowledge of similar site selections to determine the criteria to develop for these site selections. The criteria database was compiled for each site by using various resources and implementing individual site visits with intensive data gathering. The WV Regional Technology Park site scored the highest out of the various sites considered.

After site selection, TERRADON provided full civil design as well as construction administration of site activities. The site was home to the former Union Carbide administration building and had a basement full of rubble from the building demolition. So as part of the project, TERRADON maintained that all the debris were cleaned out that the basement was backfilled with structural fill. This material came from a borrow site within the tech park at the "Ridge". This ridge was also the borrow site for the material harvested to cap the nearby fly ash pond at the South Charleston Industrial Park.



TERRADON Corporation served as the lead Special Inspection Engineer for the recently renovated Charleston Coliseum and Convention Center. In this role, TERRADON reviewed 30 percent design plans and developed a scope of services including a list and schedule of inspection items to be reviewed and inspected by field personnel. The scope of services was reviewed and approved by the City of Charleston, and TERRADON was retained to provide the services as a third party representative for the City.

The Scope of Work TERRADON prepared was comprehensive in nature, and crafted to be project specific and include inspection and review of all anticipated construction types, means, and methods. The purpose of the comprehensive scope was to capture all necessary work items and any potential ancillary items that could occur on the project. By including the principle and ancillary tasks, a fee was created to allow for the services to be completed without unintended cost overruns.

TERRADON's work was required to be overseen by an in-house Professional Engineer. All inspections were completed in compliance with the International Building Code and included Section 504 handicap accessibility, Americans with Disabilities Act compliance, Uniform Federal Accessibility Standards, and all applicable local, state and federal regulations.

Inspections included typical compaction and concrete, but also included steel weld inspections, foundation and structural inspections, floor flatness inspections and concrete reinforcing inspections, structural weld inspections, structural bolted connection inspection, deep foundation inspection and testing, floor flatness testing and fireproofing inspections.

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 30 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 Design for the 10,600+ acre site in Fayette County, WV. Responsible for site grading, construction drawings, NPDES design and coordination for all project sub-consultants for NPDES permitting with WVDEP.

Greater Greenbrier Sports Complex, Greenbrier County, 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.

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.

Shawnee Multi-Sport Complex, South Charleston, WV

Provided Master Planning and Grading Design Services for the Shawnee Sports Complex in South Charleston, WV. Phases include: Master Planning, Grading Study, Full Construction Documents, Utility Layout, Road Design, Erosion and Sediment Control.

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

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
+35

of the planning process was to develop a plan that will allow for the comprehensive development and implementation of new elements to the river-front. The elements planned will include rehabilitation of an existing park and new recreation, commercial, and residential opportunities.

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.

Greater Huntington Parks and Recreation District, Huntington, WV

Responsible for trail design of a connector from Harveytown Park to Ritter Park in Huntington, WV. TERRADON provided a 3-Phase Master Planning approach for a section of trail that is predicted to be heavily used by the Huntington Community. Also responsible for the Master Planning of a unique trail system for the Greater Huntington Parks and Recreation District. The project design called for the connection of the Ceredo-Kenova area to Huntington. The trail system was designed to use the top of an earthen flood levy to move through urban areas. Design included alignments, typical sections and E&S Control.

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.

Volcano Island Master Planning, Fairmont, 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.

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, Huntington, 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, picnic shelters, a restroom facility and parking.

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

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Education

B.A. Landscape
Architecture
West Virginia
University

Total Years Experience

+15

comprehensive development and implementation of new elements to the river-front. The elements planned will include rehabilitation of an existing park and new recreation, commercial, and residential opportunities.

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"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 15 years of experience at TERRADON and more than 25 years of overall experience.

Project Experience

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Education

B.A. Landscape
Architecture
West Virginia
University

Total Years Experience

+27

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WVANG Headquarters & Campus, Charleston, WV

Landscape Architect involved in the design & production of drawings for project. Site Development work for establishment of a new headquarters building and secured campus.

WVANG Eleanor Readiness Center, Eleanor, WV

Project Manager involved in the design, production of drawings and construction administration for the project. Site Development work for new secured administration and maintenance facilities encompassing one large campus.

WVANG Fire / Rescue Station at Yeager Airport, Charleston, WV

Project Manager involved in the design, production of drawings and construction administration for the project. Site Development work for a new secured Fire / Rescue Station at Yeager Airport.

Fairmont Fire Station & Public Safety Building, Fairmont, WV

Provided site civil engineering design for the Fairmont Public Safety Building in Fairmont, WV. The Public Safety Building houses the Fairmont Public Works Department, the Fire Department and the Police Department. TERRADON services included: Geotechnical Engineering; Design and Boundary Survey, Full Site Engineering Drawings, Layout, Grading, and Drainage and Erosion Control. The team considered site layout options in order to maximize land use while minimizing earthwork and utility installations. The team provided landscape and hardscape design as well.

City of Hurricane Fire Department Facility, Hurricane, WV

TERRADON provided site planning for South Charleston fire Station Number One as a sub consultant to the building architect. TERRADON's role in the project was to handle the design and construction documents for all site work including; site layout, grading, drainage and storm water management, utilities, sediment and erosion control, site details and specifications. TERRADON also submitted and obtained site related permits.

Kristen McClung serves as a Civil-Site Engineer for TERRADON Corporation and is based in the Lewisburg, WV office. She brings over 26 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 force main 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 storm drainage collection and conveyance systems to alleviate the stormwater runoff ponding.

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.

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

Professional Engineer: WV, GA, AL

Total Years Experience

+26

Storm Drainage Improvements , 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 storm drainage collection system. Ms. McClung utilized an aerial survey to design a new storm drainage 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.

The Summit Bechtel Family National Scout Reserve, 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.

Rainelle Medical Center, Rainelle, WV

Responsible for the Hydrology Study and Storm Water Detention design associated with this project.

Access Ohio Office Building: Columbus, OH

Responsible for the Hydrology Study and Storm Water Detention design associated with this project.

Veterans Administration Parking Deck, Beckley, WV

Responsible for designing the MS4 storm water requirements associated with this project, which includes first flush requirements associated with storm water runoff.

Fairmont Federal Credit Union, Fairmont, WV

Responsible for designing the MS4 storm water requirements associated with this project, which includes first flush requirements associated with storm water runoff.

Eastwood Elementary School Additions & Renovations, Morgantown, WV

Responsible for the Hydrology Study and Storm Water Detention design associated with this project.



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

State of West Virginia
Centralized Expression of Interest

Proc Folder: 1487739			Reason for Modification:
Doc Description: New Billeting Cabins Design- Camp Dawson			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-08-12	2024-08-26 13:30	CEOI 0603 ADJ2500000004	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code: 000000201742
Vendor Name : E.T. Boggess Architect, Inc.
Address : PO Box 727
Street : 101 Rockledge Avenue
City : Princeton
State : West Virginia Country : USA Zip : 24740
Principal Contact : Todd Boggess
Vendor Contact Phone: 304-425-4491 Extension:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor
Signature X

FEIN# 55-0515917

DATE August 23, 2024

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.

(Printed Name and Title) Todd Boggess, AIA, NCARB, President/CEO

(Address) 101 Rockledge Avenue / PO Box 727, Princeton, WV 24740

(Phone Number) / (Fax Number) 304-425-4491 (phone) / no fax number

(email address) todd@etbarchitects.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

E.T. Boggess Architect, Inc.

(Company) 

(Signature of Authorized Representative)

Todd Boggess, President/CEO

August 23, 2024

(Printed Name and Title of Authorized Representative) (Date)

304-425-4491 (phone) / no fax number

(Phone Number) (Fax Number)

todd@etbarchitects.com / etb@etbarchitects.com

(Email Address)