

Requisition #HST1012 - September 15, 2009

Rescue and Training Facility

West Virginia
Miners'
Health
Safety &
Training



PROJECT TEAM

E.T. BOGGESS, ARCHITECT, INC.

101 Rockledge Ave. Princeton, WV 24740 304-425-4491



CMA ENGINEERING

824 Cross Lanes Drive Charleston, WV 25313 304-343-0316



MOMENT ENGINEERS, INC.

179 Summers Street Charleston, WV 25301 304-414-4000



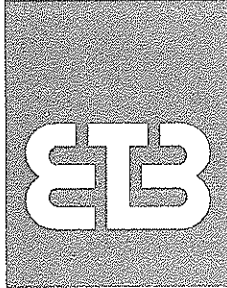
TERRADON CORPORATION RECEIVED

PO Box 519 Nitro, WV 25143 304-755-8291



2009 SEP 15 A 10:26

PROCURING DIVISION
STATE OF WV



■ Frank Whittaker
Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305-0130

■ September 15, 2009

RE: How the State of West Virginia will benefit by choosing the ETB Team

Dear Mr. Whittaker:

The E.T. Boggess, Architect, Inc., team is ready to begin designing your new mine rescue station and training center for the Office of Miners' Health Safety and Training for the State of West Virginia. Our plan ensures that all the needs of the members of the rescue and training teams, the citizens of West Virginia, and administrative personnel will be met.

How we will meet your needs . . .

I will be your architect and will be responsible for all aspects of the design which will improve the readiness of the rescue units, as well as housing the equipment they need to conduct a rescue mission. ETB will be coordinating the activities of our team of professional consultants which includes:

- CMA Engineering — Mechanical/Electrical/Plumbing Engineering
- Moment Engineers, Inc. — Structural Engineering
- Terradon Corporation — Civil Engineering & Site Design

What you will get from our team . . .

- You will receive our full attention, from start to finish.
- You will benefit from the experience we have with similar projects throughout our state over the past 43 years.
- You will appreciate our dedication to the success of your project.

Our team is here to offer you the best in service, knowledge, and experience. Thank you for your consideration and we look forward to meeting with you during the interview process.

Sincerely,

A handwritten signature in black ink, appearing to read 'Todd Boggess', is written over a printed name and title. The signature is fluid and cursive.

Todd Boggess, AIA, NCARB, Architect
President

P.S. You can reach me by cell phone at 304-920-6778, or by e-mail at etb@etbarchitects.com.

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2 - Experience

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**4 - Construction Management
(included in Scope of Services)**

SECTION ONE

Executive Summary and WV Forms

Executive Summary

E.T. Boggess, Architect Inc.

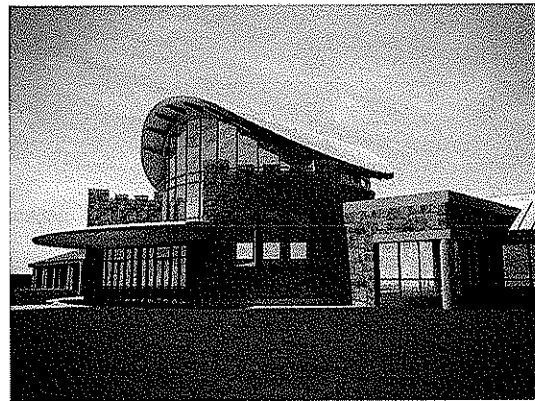
Miners' Health, Safety and Training - Rescue Station and Training Facility

The E.T. Boggess, Architect, Inc. team understands the importance of the Office of Miners' Health, Safety and Training. One of our employee's father was on the winning rescue team a few years ago. All of us know about and appreciate the dedication of these well-trained and selfless individuals. Unfortunately, it takes a disaster for the rest of the country to get a glimpse of their expertise.

Our team would appreciate the opportunity to assist these heroes by designing a facility that will enable them to train for these emergencies, offer a variety of classes for inspectors and supervisors, create a permanent location for the rescue competition, and provide storage for the rescue equipment. We sincerely hope our team is selected to design this worthwhile facility that could ultimately save the lives of a number of coal miners.

ETB believes in utilizing an interactive design process and it has enabled us to address the needs of various state agencies, including the WVARNG (Elkins Readiness Center) and the WVDOH (Districts 6, 9 and 10). We have proven our ability, dedication, and sincere desire to create multi-use facilities for the employees and citizens of the State of West Virginia.

Our firm recognizes the importance of a major capital expenditure for the MHST and the necessity that all budgets and schedules are met. You will benefit from 43 years of experience designing within the confines of strict budgets and tight construction schedules. We understand the demands being placed on all government agencies as they strive to offer the necessary services to their citizens and their efforts to do so within limited budgets. The ETB team can fully satisfy all your needs for professional services.



WVARNG Readiness Center, Elkins, WV

Interactive Design

Communication, collaboration, and consensus are the three elements we feel are essential to the planning, design and building process. The architect is responsible for the finished product, but the design process must include guidance and review by you and representatives from the various agencies. Our goal is to develop a "partnership" with our clients - a relationship that includes a long-term commitment, trust, and shared vision.



Executive Summary

E.T. Boggess, Architect Inc.

ETB 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.



*WVDOH District Six Office Building
Moundsville, WV*

Utilizing the interactive design approach will best serve the needs of the MHST by allowing us to better identify your objectives and produce long-term solutions. Your project will be completed by emphasizing the following activities:

- **Understanding goals.** We develop objectives, organization and explore the impact your project can have on the county selected, its citizens, and its miners.

- **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. All team members participate in and monitor this plan.
- **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.

Results

The consistent implementation of effective communication and an interactive design process throughout your project will result in a training center . . .

- Better serve the members of the Mine Rescue Teams.
- Provide a facility for all types of training associated with the mining/inspection industry.



Executive Summary

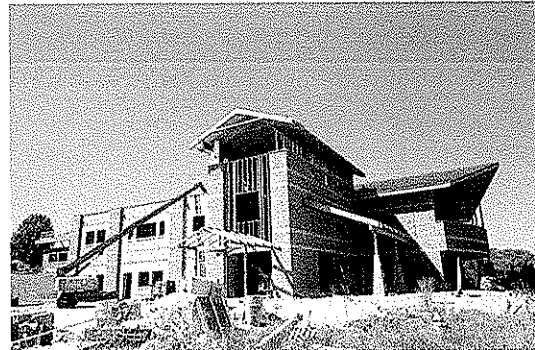
E.T. Boggess, Architect Inc.

- Create a very realistic competition area.
- Provide storage space for the mine rescue equipment.

Your facility will comply with the International Building Code, Life Safety Codes, all local, state and federal regulations, as well as the Americans with Disability Act (ADA). The new training facility will have these standards as a natural part of the over-all design, not just an add-on for a special group of people.

During the construction phase, we will be at the site on a regular basis and will be available by phone to answer any of your contractor's questions. We review shop drawings/submittals, and pay requests from the contractor.

We want to ensure the construction is in compliance with the design intent. Once the doors open and you occupy the building, we will remain available to assist you with start-up questions, "fine tuning and balancing" of systems required to make sure the building works specifically for the office of Miners' Health Safety and Training.



All of the pictures on this page were taken during construction of the Four Seasons YMCA project in Tazewell, VA.



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

Request for Quotation

RFQ NUMBER
HST1012

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
**E. T. Boggess, Architect, Inc.
 101 Rockledge Avenue
 Princeton, WV 24740**

SHIP TO

**HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST
 CHARLESTON, WV
 25311**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/19/2009				

BID OPENING DATE: **09/15/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA OFFICE OF MINERS' HEALTH SAFETY & TRAINING, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHETURAL AND ENGINEERING SERVICES FOR A MINE SAFETY AND TRAINING FACILITY.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S: NO. 1</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER. NO. 2</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>E. T. Boggess</i>	TELEPHONE 304-425-4491	DATE September 14, 2009
TITLE President	FEIN 55-0515917	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

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RFQ COPY
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 101 Rockledge Avenue
 Princeton, WV 24740**

**HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST
 CHARLESTON, WV
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08/19/2009				

BID OPENING DATE: **09/15/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 3					
NO. 4					
NO. 5					
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p>..... SIGNATURE E.T. Boggess, Architect, Inc. COMPANY September 14, 2009 DATE</p>						
<p>REV. 11/96</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>E.T. Boggess</i>	TELEPHONE 304-425-4491	DATE September 14, 2009	
TITLE President	FEIN 55-0515917	ADDRESS CHANGES TO BE NOTED ABOVE	

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State of West Virginia
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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ HST1012 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *E.T. Boggess* TELEPHONE **304-425-4491** DATE **September 14, 2009**

TITLE **President** FEIN **55-0515917** ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

Vendor's Name: E.T. Boggess, Architect, Inc.Authorized Signature:  Date: September 14, 2009

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: E.T. Boggess, Architect, Inc. Signed: [Signature]
Date: September 14, 2009 Title: President

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

SECTION TWO

Experience
Firm Profiles
Projects

Firm Profile

E.T. Boggess, Architect Inc.

History

E. T. BOGGESS ARCHITECT, INC., was established by E. T. "Ted" Boggess in January, 1966, in Princeton, West Virginia. Mr. Boggess continues to serve as Chairman of the Board and is responsible for business development, marketing activities, and design document review.

In 1988, Ted's son Todd received his master's degree in architecture and joined the firm full time. Todd is now President and is responsible for design development, project management, supervising the office staff, and the overall management of the corporation.

Location

Our firm is located in Princeton. Although the majority of our current projects are located in WV, we have satisfied clients reaching all the way from Michigan to Florida. We have a reputation for service to our clients regardless of the project site. The location of our firm and knowledge of our county, its people, its construction materials, its contractors, as well as its regional climatological characteristics, are all important considerations for the success of your project.

During the administration phase, our proximity to the project site will allow us to observe the work in a very efficient and cost effective manner. We will be available at a moments notice if problems occur. This will help minimize problems and allow for timely solutions.

Reputation

Our firm lives or dies by its reputation. We work for "Pride in Product" and are confirmed by the amount of repeat business we can truthfully claim.

The architects at ETB are well-respected for their high ethical standards, as well as professional and civic activities. They are frequently asked to serve as expert witnesses and arbitrators in legal disputes. They have also been selected to serve on various local, state and national committees. These committees cover areas from determining local zoning ordinances to reviewing and developing educational requirements for future architects, to preserving West Virginia's historic architecture.

Attitude

Bigger is not always better. This corporation has purposely controlled size in order to maintain personal involvement and quality control. We feel that it is important to maintain close client contact and availability to answer any needs that may arise. Limiting the number of projects we undertake also increases the importance of each and every project. Your project will not get lost in the shuffle.

Experience

Over the past 43 years, ETB has accomplished many different types of buildings in 12 different states and 1 foreign country.

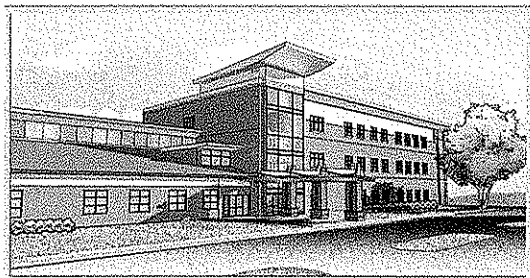


Firm Profile

E.T. Boggess, Architect Inc.

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 will allow us to begin your project with renewed enthusiasm. Our strength is in the delivery of appropriate and analytical solutions for complex buildings and doing so within restricted budgets and time constraints.

ETB was one of the first architectural firms in the state to implement the use of computer-aided design and drafting into the everyday practice of architecture. Today we continue to lead the industry as we utilize photorealistic imagery through computer modeling and digital photography. The building 3-D model and associated imagery can be developed early in the design process. You can then use the imagery for design approval and community presentations. We are also experimenting with the vast opportunities associated with virtual reality which allows you to actually "walk-thru" your finished building long before the foundation is laid. The WV Office of Miners' Health, Safety and Training will benefit from our experience, combined with ongoing technological research and innovations.



*Pikeview Middle School (Schematic Design)
Gardner, WV*



*Four Seasons Wellness Center
Tazewell, VA*

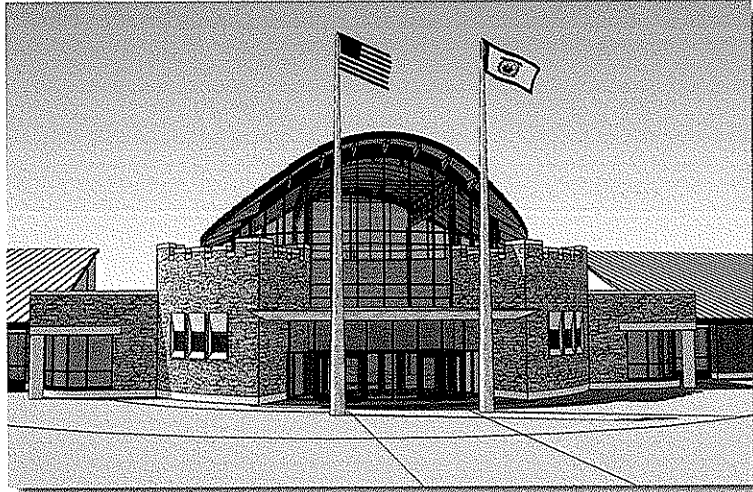


*Mercer County Courthouse Annex
Princeton, WV*



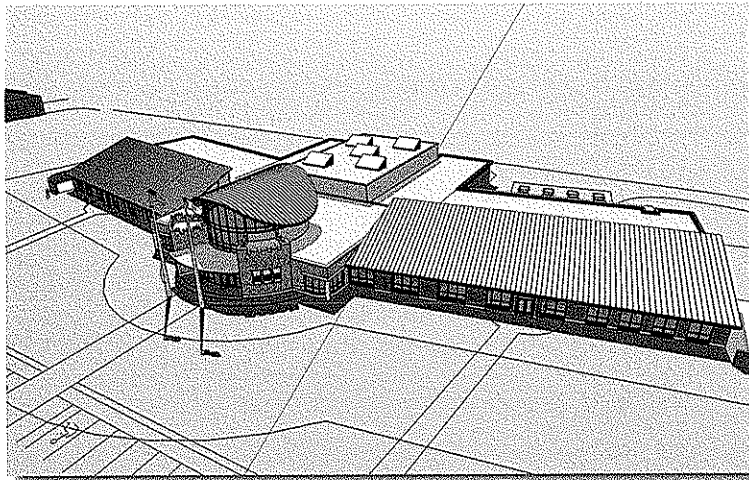
*First Century Bank
Beckley, WV*



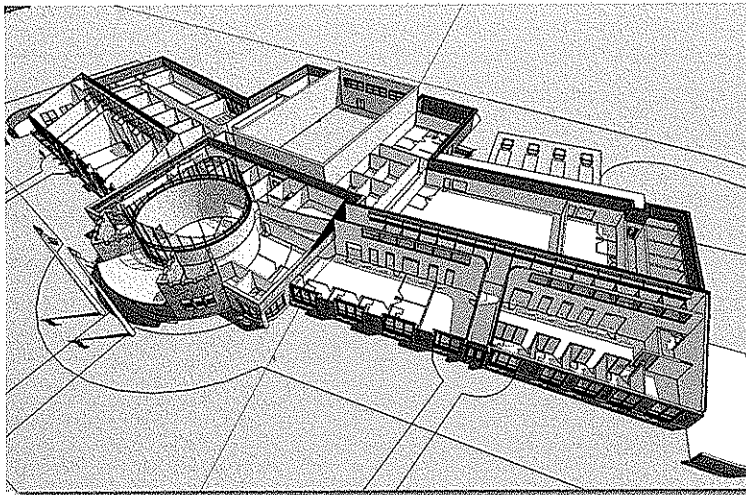


WV Army National Guard Readiness Center

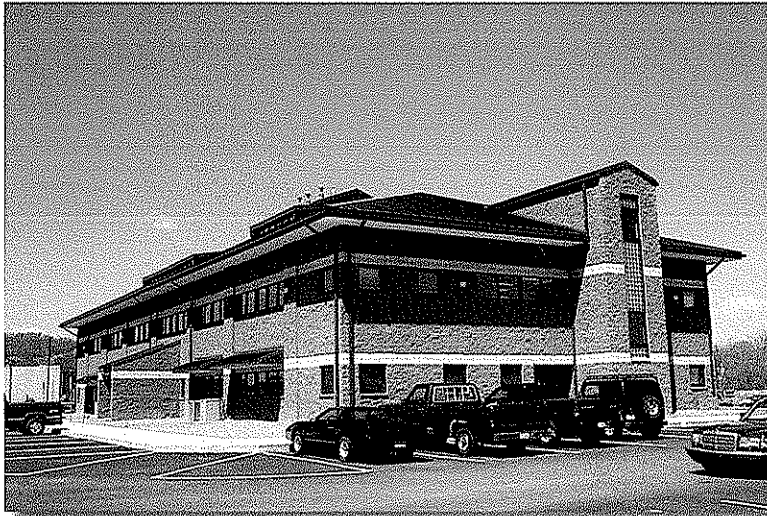
The ETB team is currently designing the 50,000 sf, single-story facility to house the Elkins units of the Army Reserve and National Guard.



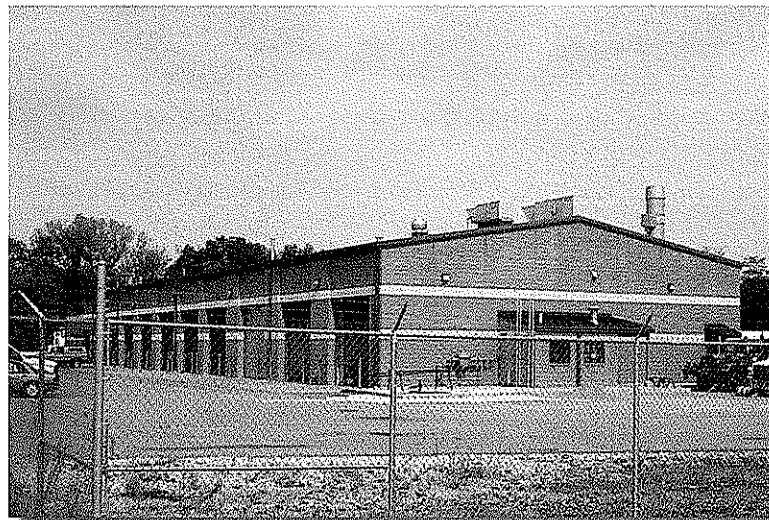
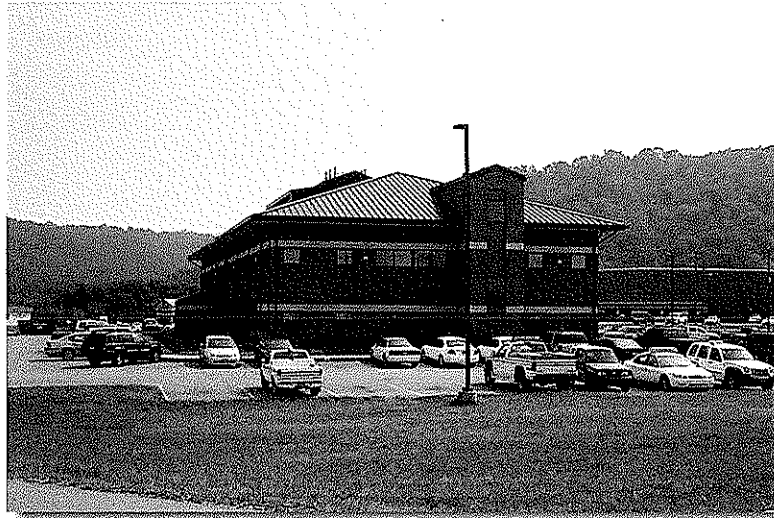
The Readiness Center will have two main entrances; the front into the lobby and the rear into the assembly hall. The circular central core of the entrance leads to the administrative wing (east) and classroom wing (west). The facility will also contain a learning center, library, storage areas, locker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



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



Office Building



Maintenance Building

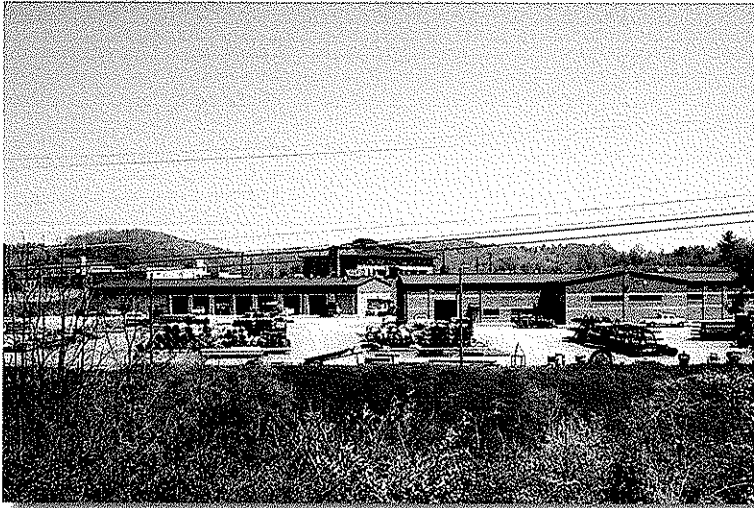
West Virginia DOH District 6 Complex

The District 6 Complex at Moundsville will bring together district functions that were previously scattered in several locations throughout the county, onto a single campus-like setting/site.

Facilities that will make up this complex include the office building, and the recently completed maintenance shop. The maintenance shop includes modern repair bays for trucks and equipment, weld, prep, wash and paint bays, office areas, parts and general storage.

The bridge & sign shop was completed in 2008. The lab building will be bid and constructed in the future.





Total Complex



Office Building



Maintenance Building

West Virginia DOH District 10 Complex

The District 10 Complex at Gardner brings together district functions that were previously scattered in several locations throughout the county, onto a single campus-like setting/site. Facilities that make up this complex include the office building, the bridge & sign shop, and the maintenance shop (which includes modern repair bays for trucks and equipment, weld, prep, wash and paint bays, office areas, parts and general storage). The final building to be constructed was the lab building.

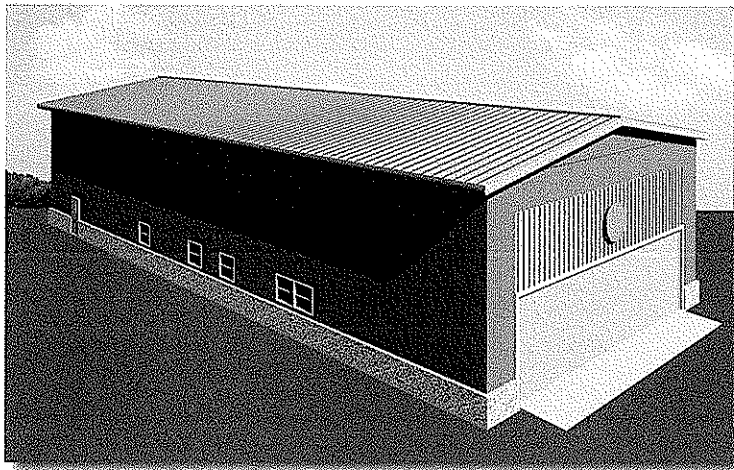
Office: 27,791 sf

Maint: 18,488 sf

B & S: 16,820 sf

E.T. Boggess, Architect, Inc.





Mercer County Civil Air Patrol



Princeton Municipal Building & Fire Department



Princeton Fire Department 2

Governmental Projects

E.T. Boggess, Architect, Inc., has designed offices and maintenance/storage facilities for a variety of governmental agencies.

These facilities include:

- Civil Air Patrol HQ
- Firestations
- 911 Emergency Center
- Courthouse annexes
- Conference centers
- Visitor's centers
- Museums
- Streetscapes
- Security upgrades
- Feasibility studies
- Fireman Rescue/
Training Structure



Concord University Rahall Technology Center

Athens, WV



E.T. Boggess, Architect, Inc., designed the \$9.8 million, state-of-the-art Rahall Technology Center for Concord University. A small part of the historic White Hall Dormitory was incorporated into the new design.



The Rahall Center offers tiered/multi-media classrooms, specialty computer labs, a traditional teaching darkroom & digital imagery lab, general technology-enhanced classrooms, distance learning/education opportunities, along with conference rooms. Various campus offices have also been relocated to the new technology center.

Size: 45,975 sf
Cost: \$9,794,000



E.T. Boggess, Architect, Inc.



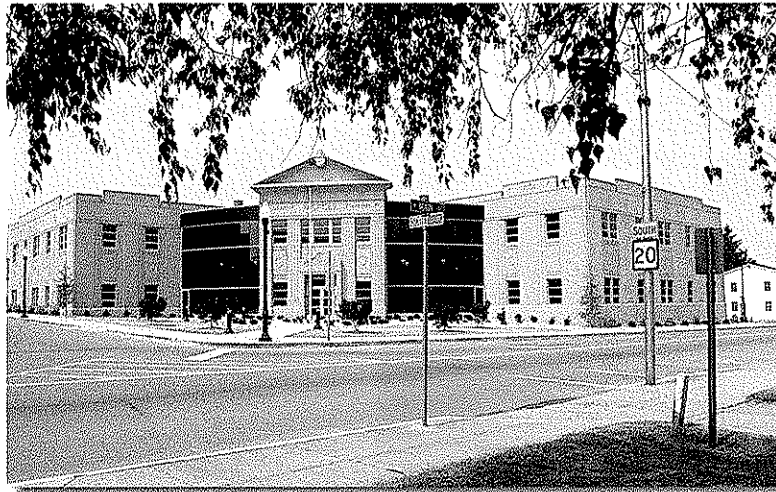
Mercer County Courthouse Annex

Princeton, WV

The Courthouse Annex designed by ETB for the Mercer County Commission was completed in July, 2005. The new facility houses the magistrate's offices, prosecuting attorney, family law master, and juvenile probation.

ETB contacted the WV Supreme Court's deputy director of technology, Kit Thornton, early on in order to ensure the equipment, wiring, and security will satisfy the demands of the court system. According to Mr. Thornton, the annex will be ***"one of the nicest, most technically advanced judicial facilities in the state."***

The annex was designed to compliment the surrounding architecture of both the courthouse and the historic Memorial Building.



E. T. Boggess, Architect, Inc.

ETB

Size: 36,000 sf
Cost: \$5,190,480

Projects

E.T. Boggess, Architect Inc.

Governmental - New Construction:

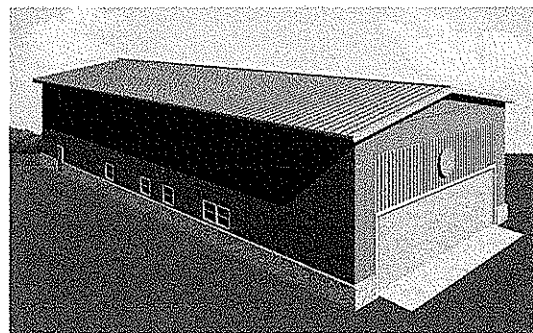
- WVARNG Readiness Center,
Elkins, WV
- Mercer County Courthouse
Annex, Princeton, WV
- U.S. Social Security Offices for
the GSA
Welch, WV
Williamson, WV
Bluefield, WV
- West Virginia Tourist
Information Center, Princeton,
WV
- WVDOH District 10
Headquarters Complex
Office Building
Maintenance Building
Bridge/Sign Shop
Lab Building
Gardner, WV
- WVDOH District 6 Headquarters
Complex
Office Building
Maintenance Building
Bridge/Sign Shop
Moundsville, WV
- Mercer County Civil Air Patrol
Hanger and Headquarters,
Bluefield, WV

Governmental - Historical Re- creations - New Construction:

- Princeton Railroad Museum,
Princeton, WV
- Coal Interpretive Museum,
Bramwell, WV

Governmental - Renovations:

- Princeton Public Library
(Historical Renovations),
Princeton, WV
- Nicholas County Judicial Annex,
Summersville, WV
- Pipestem State Park Conference
Center (Addition), Pipestem, WV
- Beckley Financial Center - IRS
Offices for the GSA, Beckley,
WV



Mercer County Civil Air Patrol Hanger



C O R P O R A T E P R O F I L E



Clingenpeel/McBrayer & Associates, Inc.

Services

Clingenpeel/McBrayer & Associates is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. CMA's founders have long believed in the philosophy that a successful project requires a comprehensive approach. This includes all traditional facets of project planning, starting with master planning, working closely with the client, developing the completed construction documents, bidding the project and contract administration. However, our depth of expertise goes far beyond the traditional services. From developing design criteria For owners to designing the mechanical and electrical systems for the West Virginia DEP Consolidated Office Building, the first LEED certified building in the state, CMA is a proven leader in providing engineering services in the design-build delivery method.

History

Since 1986, Clingenpeel/McBrayer & Associates has provided services on numerous projects of varying size and complexity. Clients include architects, industrial companies, governmental agencies, contractors, engineers, developers and private organizations. Project locations include West Virginia, Virginia, Ohio, Kentucky, Maryland, Pennsylvania, California and Connecticut.

Commitment

Clingenpeel/McBrayer & Associates' submittal is based on your needs and our experience. Our firm has the experience, service and quality work to create a successful project. We are committing senior design professionals in order to assure you receive top priority. We have extensive experience with projects of this nature. Examples of projects for which we were the Engineer are listed in this proposal.

From an initial staff of five employees in 1986, the company has grown to eleven employees, which includes two professional engineers and two engineer-in training. Facilities and equipment have grown to support CMA's staff and client's needs.

In 1987, computer aided drafting stations were added to provide the best quality and engineering services for our clients. We are currently operating AutoCad 2009. Our firm is constantly monitoring the latest technology, the cost effects and the end results to the final project.

Present staffing allows CMA to complete work in a timely manner without limiting our ability to perform our ongoing work. The staff of CMA is large enough to handle any size project, yet small enough for direct input and supervision by key personnel.

EXPERIENCE

Previous Five Years

Projects:	492
Construction Costs	\$1,100,000,000
MEP Costs:	\$156,039,689.
Total Costs:	\$472,847,542.



Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive
Charleston, WV 25313
(304) 343-0316 tel
(304) 343-5146 fax

5 Riddle Court
Morgantown, WV 26505
(304) 598-2558 tel
(304) 598-2472 fax

w w w . c m a w v . c o m

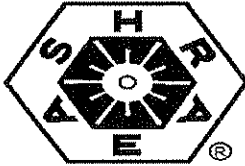
Professional Affiliations



Leadership in Energy &
Environmental Design
(LEED)



U.S. Green Building
Council
(USGBC)



American Society of
Heating, Refrigerating and
Air Conditioning Engineers,
Inc.,
(ASHRAE)



American Institute of
Architects— WV Chapter
Affiliate Member
(WVAIA)



National Fire
Protection Association
(NFPA)

ASPE

American Society Of
Plumbing Engineers
(ASPE)



The
LIGHTING
AUTHORITY
Illuminating
Engineering Society
(IES)



MasterSpec
Specifications
(ARCOM)



Business Partner



WV Society of
Healthcare Engineers
(WVSHE)



International Code Council (ICC)



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www.cma.wv.com

Project Profiles

New Construction Emergency Response Facilities

Design of mechanical, electrical, plumbing, fire protection and communication systems

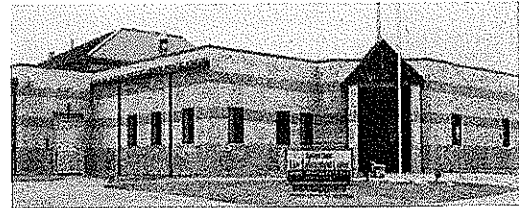
New Raleigh County 911 Center

CMA is currently providing design services for HVAC, plumbing, fire sprinkler/alarm systems, data and communication and electrical power for the new Emergency Operation Center in Raleigh County.



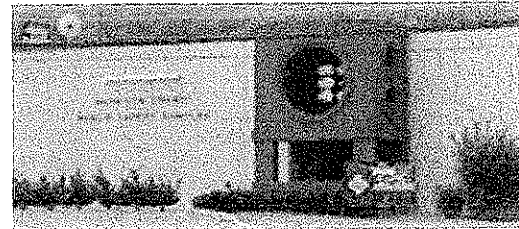
New Randolph County 911 Center

CMA provided design services for the HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new 12,000sf facility.



Harrison County 911 Center

CMA Engineering provided mechanical, electrical, plumbing, fire alarm, fire sprinkler and communication systems design services.



New Putnam County 911 Center

CMA is currently providing design services for the HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new single story 911 Facility(11,700sf) and new two story maintenance garage(5,000sf) with six maintenance bays on lower level and storage area (1,500sf) on second level.

No Picture Available

Under construction

New Wetzel County 911 Center

CMA is currently providing design services for the HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new 3,100sf facility.

No Picture Available

Under Construction

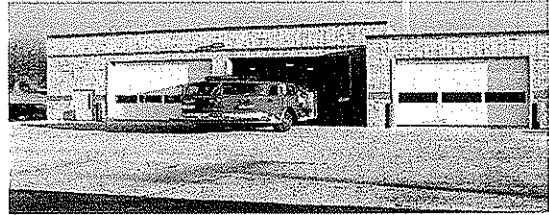
Project Profiles

New Construction Emergency Response Facilities

Design of mechanical, electrical, plumbing, fire protection and communication systems

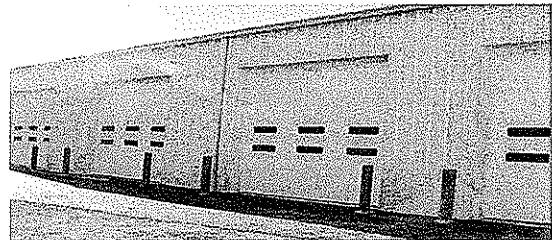
Orchard Manor Fire Station, Charleston, WV

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm, electrical and communications systems and site utilities for new 9,000sf fire station .



Northview Fire Station, Clarksburg, WV

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for renovations to 7,000sf existing office facility and new connected garage facility of 7,300sf.



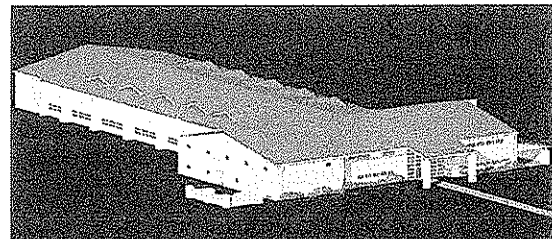
White Sulfur Springs Fire Station

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for new 7,800sf facility.



WVANG-Fire Station

CMA Engineering is provided design services for the HVAC, plumbing, fire alarm, fire sprinkler, communications systems, lighting and electrical power for the design/build of the new approximately 21,000sf fire/crash/ rescue station in Charleston, WV.



Project Profiles

New Construction Military

Design of mechanical, electrical, plumbing, fire protection and communication systems

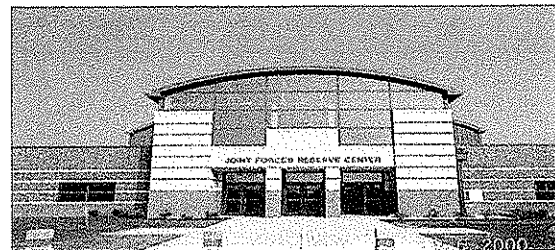
WVANG Eleanor Maintenance Center

CMA Engineering provided mechanical, electrical and plumbing, design services for a 132,000sf maintenance facility to house combined support maintenance shop and Class IX USPFO warehouse. CMA has continued to provide engineering services for the addition of the paint booth, entrance guard house, MCOFT pad, and covered storage.



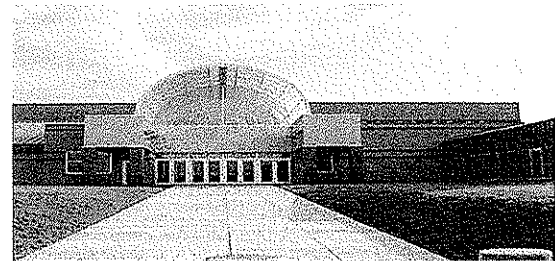
WVANG Eleanor Readiness Center

CMA Engineering provided engineering services for the design of mechanical, electrical and plumbing systems for the new 80,000sf readiness center, including a 16,000sf section that is utilized by the United States Navy.



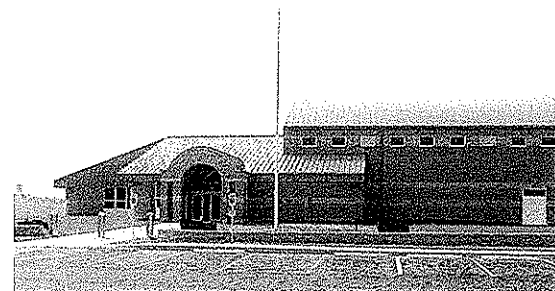
WVANG Summersville Readiness Center

CMA Engineering provided engineering services for the design of mechanical, electrical and plumbing systems for the 42,000sf readiness center. This facility also features areas for use by the City of Summersville for events throughout the year.



WVANG Lewisburg Readiness Center

CMA Engineering provided mechanical, electrical and plumbing design services for a 37,000sf readiness center that includes a vehicle maintenance bay.



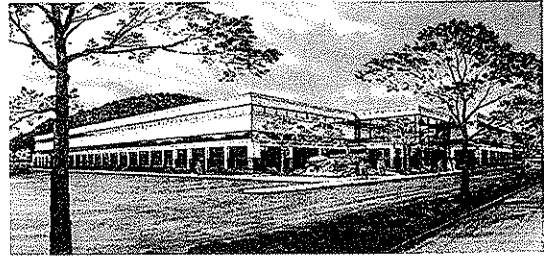
Project Profiles

New Construction Design/Build

Design of mechanical, electrical, plumbing, fire protection and communication systems.

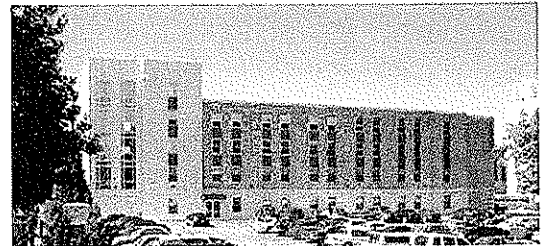
WV Department of Environmental Protection

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for new consolidated DEP office in Charleston, WV. Building is a three-story facility of approximately 180,000sf with a 650 car parking area. This facility is registered as a



Residence Halls-University of Charleston

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for the design/build of two new four-story Dormitories, constructed during the summers of 2004 and 2005. In 2006, CMA provided design for the addition of a wing to the second dormitory.



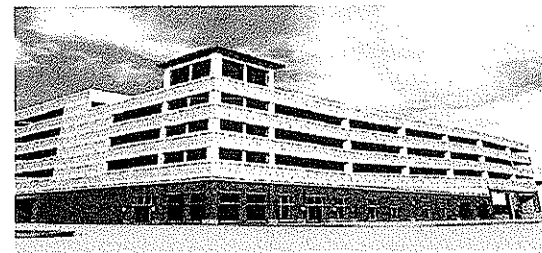
Parking Facility at Marshall University

CMA Engineering provided mechanical, electrical and plumbing design services for new 6 level parking garage facility on the Huntington campus. Garage includes 1009 parking spaces, glass elevators and pedestrian walkway above 3rd Avenue that connects the garage to Cam Henderson Center.



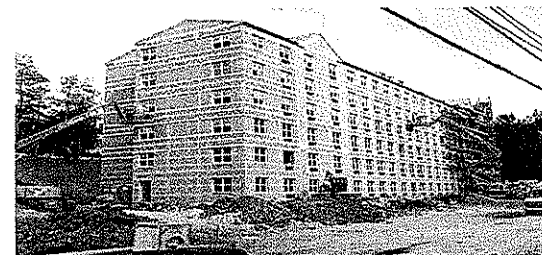
Parkersburg Transit Authority

CMA Engineering provided mechanical, electrical and plumbing design services for developing the design criteria for the new 5 floor Transit Authority Facility which includes 378 space parking garage, office areas, transit station, and passenger waiting area.



Bed Suite Housing-Fairmont State University

CMA Engineering provided mechanical, electrical, plumbing and fire sprinkler design services for developing the design criteria for the new 400 bed suite style residential housing..



CMA
ENGINEERING

Project Profiles

New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems.

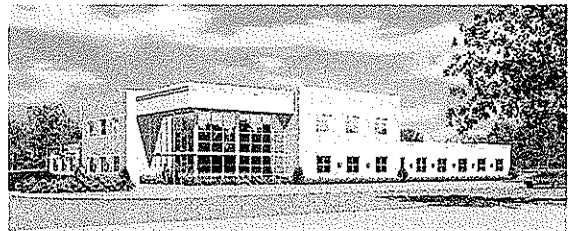
Sissonville Middle School, Kanawha County

CMA Engineering is currently providing mechanical, electrical, plumbing, sprinkler, and data/communication/ alarm/control engineering design for the new, approximately 80,000sf middle school.



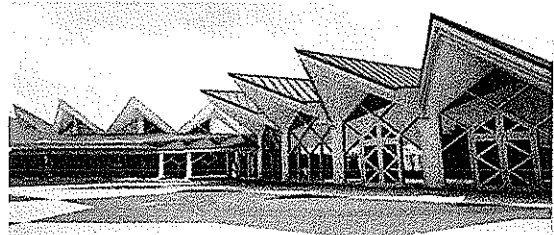
Go-Mart Office Building

CMA provided mechanical, electrical and plumbing design services for the new 13,000sf corporate office building in Gassaway, WV.



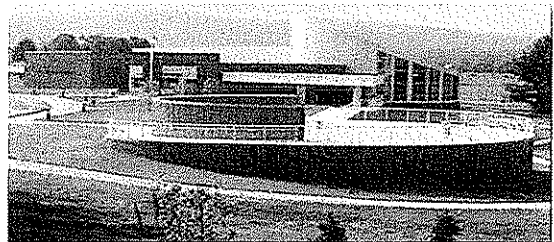
Tamarack Caperton Conference Center

CMA Engineering provided mechanical, electrical, plumbing, fire protection and communication systems design for the 22,450sf addition to the Caperton Center. CMA provided engineering services for the original construction of the Tamarack facility.



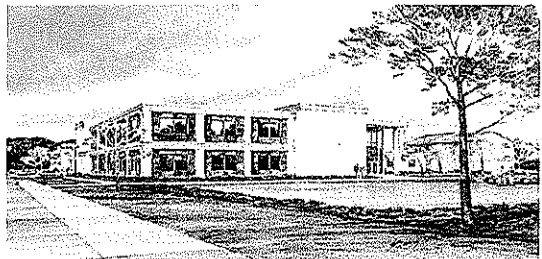
NRAO Greenbank Observatory Visitor's Center

CMA Engineering provided mechanical, electrical, plumbing, fire protection and communication systems design for new visitor's science center.



St. Albans Community Center

CMA Engineering provided design for HVAC, plumbing, fire sprinkler, fire alarm systems, communication systems, lighting and electrical power for new 26,900sf community center which included gymnasium, wrestling room, fitness room, locker rooms and an open area for aerobics, dance and gymnastics.



CMA
ENGINEERING

Project Profiles

New Construction Pre-Engineered Buildings

Design of mechanical, electrical, plumbing, fire protection and communication systems

WV Parkways & Tourism Maintenance Building, Beckley, WV

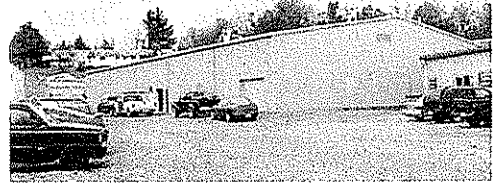
CMA Engineering provided mechanical, electrical and plumbing design services for new pre-engineered building to house nine vehicles for storage and one wash bay. Engineering services also included renovations to existing wash bay and vehicular maintenance shop.

Joe Holland Chevrolet, South Charleston, WV

CMA Engineering provided design services for new 48,000sf pre-engineered metal building with second floor storage, site development, masonry and drywall partitions, administrative and shop space, overhead doors, heating, cooling and electrical systems.

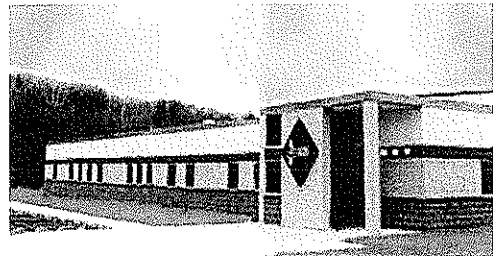
Nicholas County Sheltered Workshop, Craigsville, WV

CMA Engineering provided mechanical, electrical and plumbing design services for new pre-engineered building, with an approximate square footage of 9,300 on first floor and a mechanical mezzanine of 2,900sf.



Diamond Electric, Eleanor, WV

CMA Engineering provided mechanical, electrical and plumbing design services for new 17,000 sf pre-engineered building, to be used as additional warehouse space complete with four new loading docks.

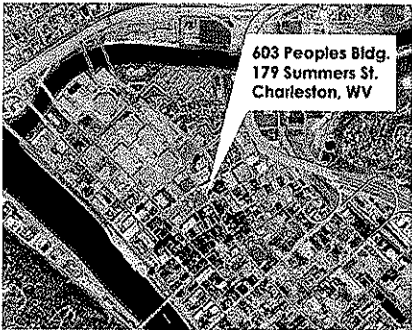


Bobcat of Advantage Valley, Cross Lanes, WV

CMA Engineering provided mechanical, electrical and plumbing design services for new 10,300sf pre-engineered building, to be used as office space and maintenance shop.



Background



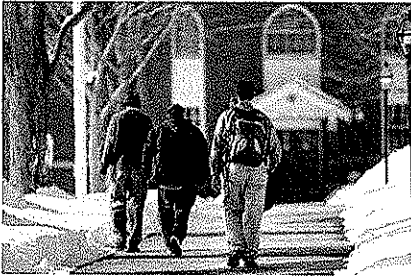
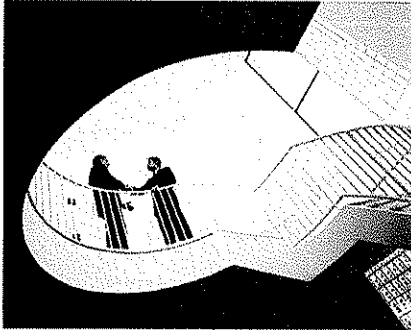
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005.

For more than a 15 years, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space. The construction costs of these projects exceeded a half billion dollars. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Our staff's experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures.



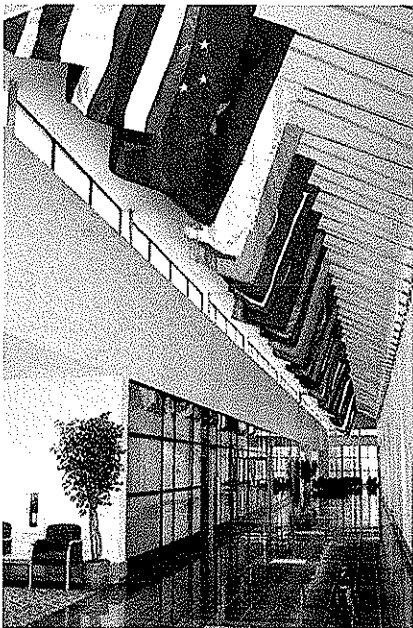
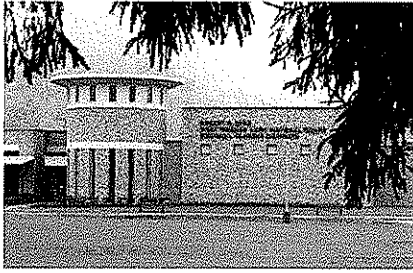
Approach



At Moment Engineers, we recognize that the architect is the primary contact for the building owner. Our role is to strengthen that relationship by producing high quality designs in a prompt and cost effective manner. To that end, we emphasize incorporating traditional and technical means of communication and data transfer to ensure a seamless integration of structural integrity and architectural creativity.

We believe that the practice of engineering is the point at which science and society meet. We also believe that the architects and builders we serve are essential in the development of the fundamental dignity of the community. Moment Engineers is strongly committed to developing structural solutions which bring permanence and strength to the expression of architectural thought.





West Virginia Army National Guard Project Experience

Douglas Richardson has provided the structural engineering and design for the following projects:

Robert C. Byrd Regional Training Institute -
Camp Dawson, WV

Armed Forces Reserve Center - Camp Dawson, WV

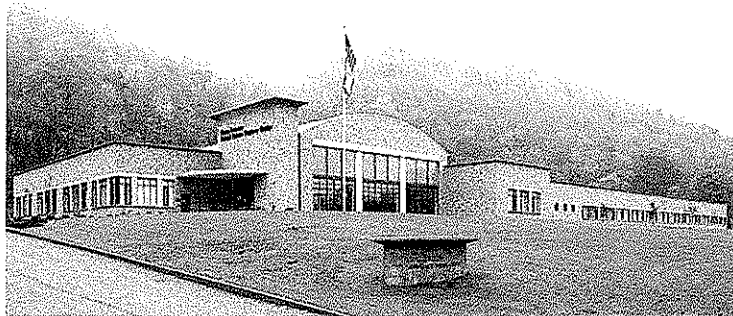
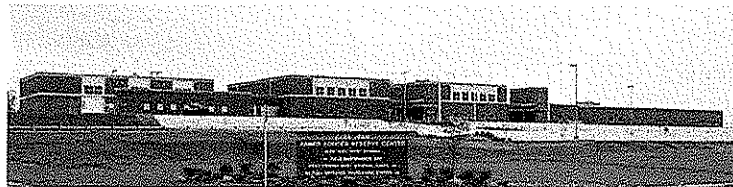
Armed Forces Reserve Center - Glen Jean, WV

Construction & Facilities Management Office -
Charleston, WV

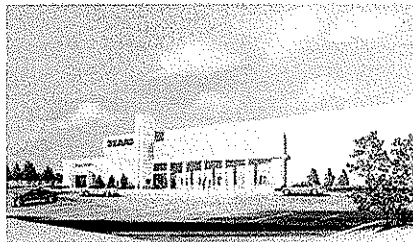
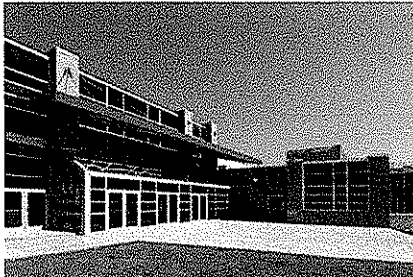
Mountaineer Challenge Academy - Camp Dawson, WV

Armed Forces Reserve Center - Elkins, WV

These six facilities total over 422,000 square feet of built space, and each serves as a outstanding example of how a military structure can enhance the readiness of the units they support while also contributing to the local, state and national communities in which they are located. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.



 **MOMENT**
engineers, inc.




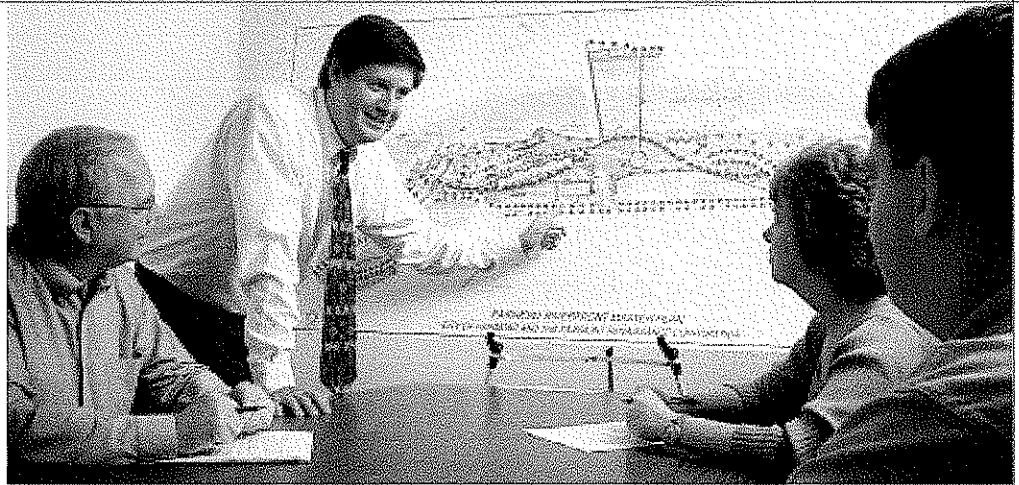
Additional Project List

In addition to these WVARNG projects, Moment Engineer's staff experience includes a wide variety of new building design and existing building analysis. The list below is a small sample of the projects for which Douglas Richardson has had responsible charge of the structural engineering, design and contract document production. A more extensive list is available upon request.

<u>Project</u>	<u>Sq. Ft.</u>
Barboursville Elementary School	63,947
Greenbrier East H.S. Renovations & Additions	205,057
Lincoln Co. High School	216,500
Wayne Co. Spring Valley High School	175,000
St. Albans High School	172,600
Dunbar Primary Center School	14,100
Judge Donald F. Black Courthouse Annex	37,000
WV Hospital Association Office Building	29,710
Cabell West Elementary School	55,788
Capital State Bank	4,088
Kappa Alpha Fraternity House, WVU	14,000
Sears, Chesterfield Mall, Richmond VA	146,980
Sears, Loudon VA	132,600
Alderson Federal Prison Dormitory	60,625
Western Juvenile Detention Center	29,015
Cacapon State Park Addition	9,842
Lewisburg United Methodist Church	12,800
Kroger Store Renovation, Kanawha City	15,427
Goodwill Industries Renovation and Addition	15,460

ABOUT TERRADON


TERRADON
is regarded
as one of the
region's leading
land and
infrastructure
planning and
design firms.



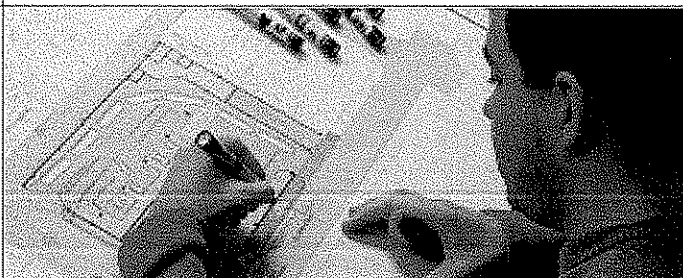
TERRADON CORPORATION offers a wide range of engineering and environmental services, and is particularly suited to land and infrastructure design and development in the mountainous areas of West Virginia and the Eastern United States.

The company was formed in 1989, and its staff includes engineers, landscape architects, surveyors, planners, real estate specialists, environmental scientists, designers, and technicians. TERRADON's services are organized into the following eight service areas that work together or independently, depending on client needs and the scope of the project.

Services Include:

- Civil Engineering
- Surveying and Mapping
- Land Planning and Site Design
- Geotechnical Engineering
- Environmental Engineering
- Highway and Roadway Design
- Materials Testing and Construction Monitoring
- Real Estate Services

Due to the breadth of services offered, TERRADON is regarded as one of the region's leading land and infrastructure planning and design firms. The firm has built its reputation by providing cost effective design solutions and maintaining the highest level of customer service.

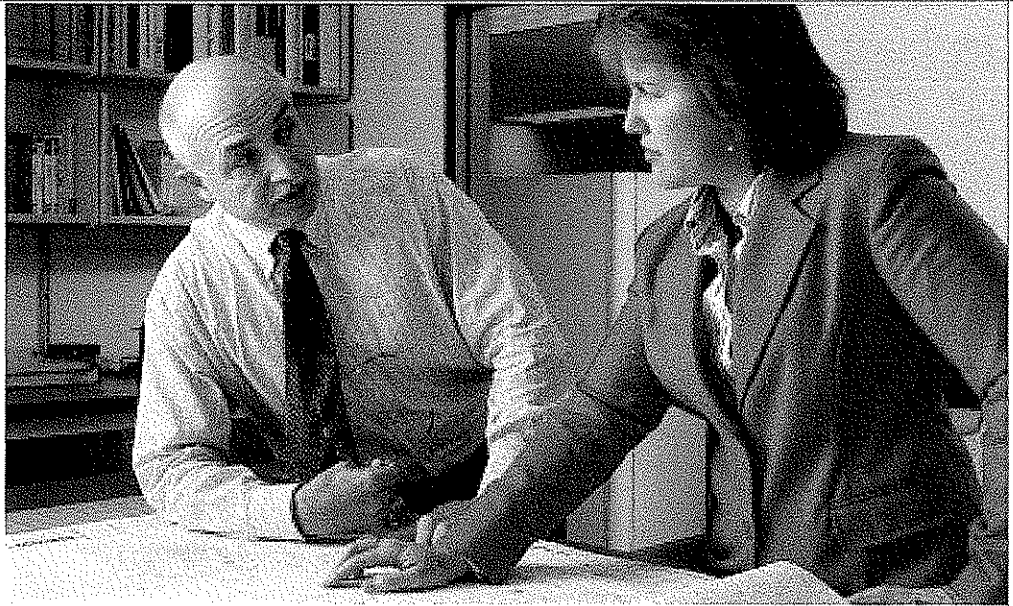


CORPORATION
TERRADON

CIVIL ENGINEERING



The project engineer manages and controls all phases of the design process.



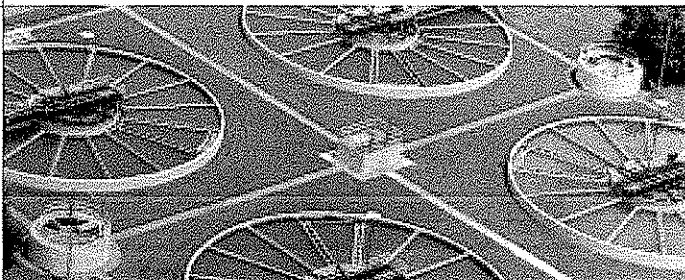
TERRADON provides a broad range of civil design services for private owners and public entities. TERRADON's staff of civil engineers combine the latest in computer technology with years of practical experience to deliver a quality, cost-efficient design solution. Projects are completed on time, in compliance with state and federal regulations and internal quality assurance/quality control guidelines.

Services include:

- Water Treatment, Storage, and Distribution
- Wastewater Collection, Pumping, and Treatment
- Storm Water Management

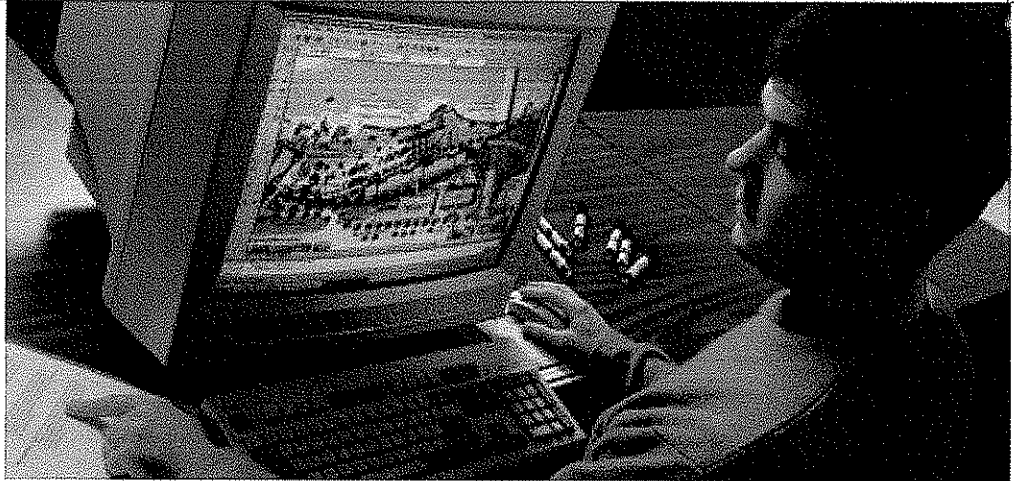
- Natural Stream Design and Mitigation
- Mine Reclamation
- Utility Planning and Layout
- Cut and Fill Analysis
- Erosion and Sediment Control

Our engineers have numerous resources within TERRADON to draw on, such as surveying, geotechnical engineering, environmental engineering, landscape architecture, materials testing, and construction monitoring. This allows the project engineer to manage and control all phases of the design process, from initial site reconnaissance through construction.



CONSTRUCTION
TERRADON

LANDSCAPE ARCHITECTURE



▲
TERRADON is experienced in providing a wide variety of engineering, environmental, and surveying services required for your project.

TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional landscape architects work closely with the client from the project's initial phase, through schematic design, construction documents, and project delivery. Services provided include master planning, site feasibility studies, schematic design, layout plans, grading plans, stormwater management plans, erosion control plans, planting plans, presentation drawings/renderings, graphic design, and construction observation.

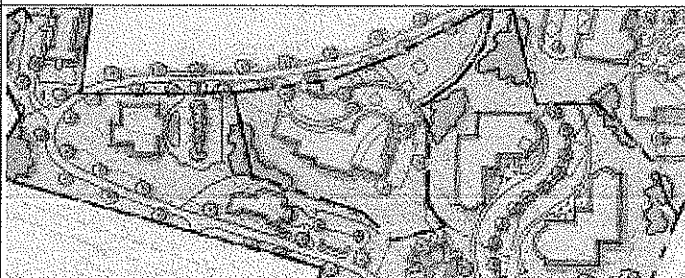
▼
TERRADON is experienced in providing a wide variety of engineering, environmental, and surveying services required for your project. These related services enhance and integrate with Landscape Architecture. This provides TERRADON with the opportunity to provide clients

across the region with the highest level of quality site design and landscape architecture available.

The engineering and environmental services include identifying site constraints and conditions that could have an impact on the feasibility of a site.

Site design and land planning services are provided for a wide range of project types including:

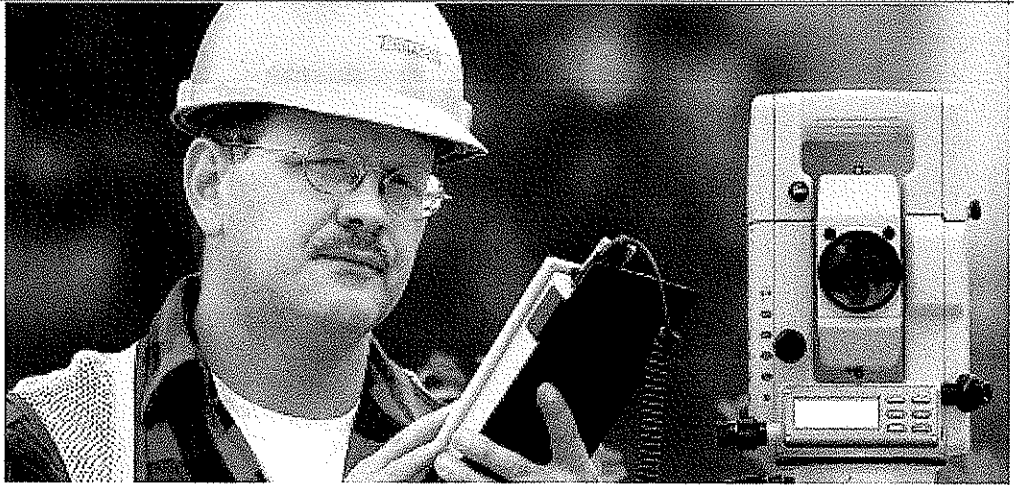
- Recreation facilities
- Education institutions
- Commercial Developments
- Government entities
- Residential Development
- Environmental elements
- Medical facilities
- Riverfront enhancement
- Greenway/greenspace projects
- Vehicular/Pedestrian circulation and storage facilities



TERRADON CORPORATION

SURVEYING AND MAPPING

▲
TERRADON
is equipped
with the newest
surveying
instruments for
efficient data
processing and
accurate gathering
of field
information.



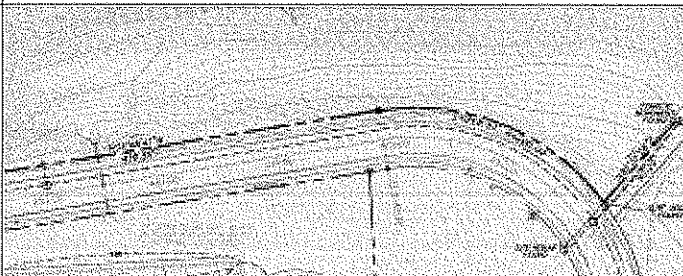
TERRADON has an experienced staff of professional surveyors who provide mapping, construction layout, ALTA surveys, topographic surveys, and boundary surveys.

TERRADON is equipped with the newest surveying instruments, ensuring the highest standards of efficiency and accuracy. Fully-equipped data collection stations are utilized for complete field-to-office automation, resulting in high productivity levels. The latest software is then used to process the data and achieve the desired end product/results.

Small mapping projects are completed in-house, following the aforementioned process. Large projects are more economically mapped

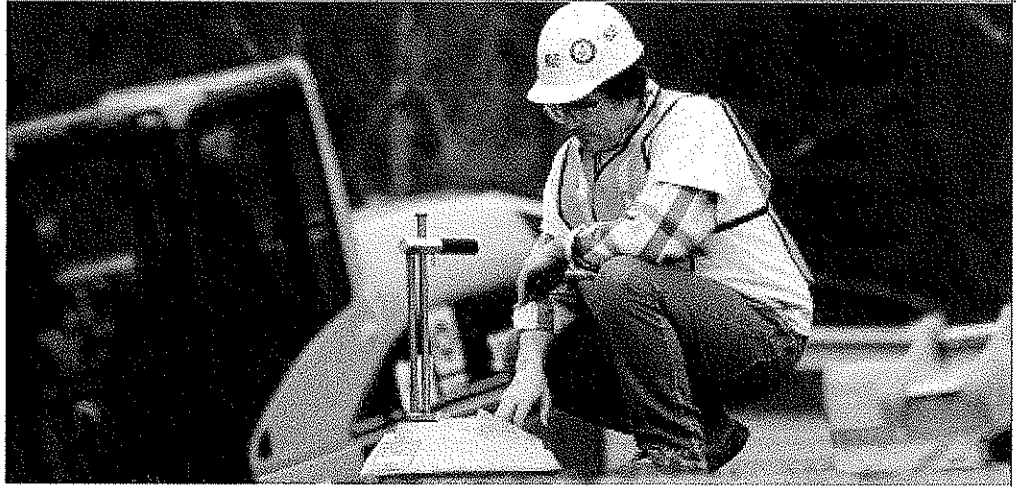
by aerial mapping with TERRADON providing the necessary control surveying. As a quality control measure, mapping is field checked for accuracy. Mapping information is then received in digital format for direct input into the CAD system.

TERRADON also offers Global Positioning System (GPS) services. Data acquisition is accomplished by visiting the point and recording its attributes for inclusion in a geographic information system or database. Labor costs are significantly reduced by a one-person operation. The more remote or geographically diverse your needs are, the greater the savings using TERRADON'S GPS services.



COMMUNICATION
TERRADON

MATERIALS TESTING & CONSTRUCTION MONITORING



▲
TERRADON's
certified
technicians are
knowledgeable in
the latest
construction
practices and
procedures.

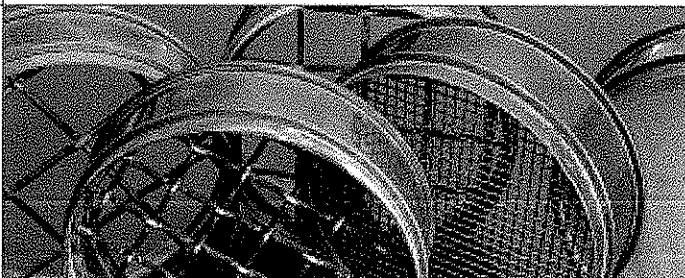


TERRADON offers materials testing and construction monitoring to document compliance with project design specifications and regulatory requirements. The firm provides construction monitoring for utility, highway, and commercial construction projects. TERRADON also provides laboratory and field testing 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.

Testing and Monitoring Services include:

- 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



CONSTRUCTION
TERRADON

ENVIRONMENTAL ENGINEERING



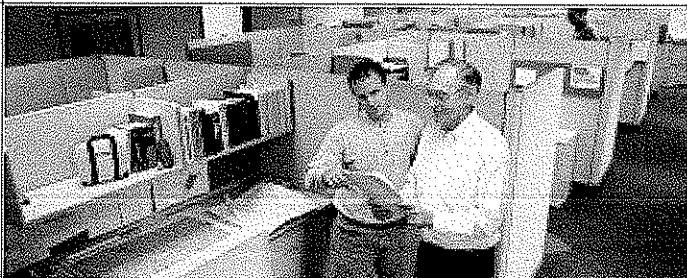
TERRADON has a thorough understanding of state and federal environmental permitting processes and regulations.

Constantly changing federal and state environmental requirements are difficult to track and can have a serious impact on businesses and other organizations. TERRADON closely follows environmental activities on the local, state, and federal level. TERRADON has a thorough understanding of state and federal environmental permitting processes and regulations. This expertise applies to both the initial permit preparations, as well as subsequent negotiations affecting the permit. The firm's strength in addressing environmental issues is built on the diversity of our staff with credentials in chemical engineering, chemistry, civil engineering, geotechnical engineering, and geology.

The company has experience in:

- Solid Waste

- Hazardous Waste
- Process Water
- Wastewater
- Storm Water
- Groundwater
- Air Pollution
- Risk Management Plans
- Vulnerability Assessments
- Emergency Response Plans
- Environmental Audits
- Environmental Site Assessments
- Environmental Remediation
- NEPA Compliance
- Asbestos and Lead Inspection
- Underground Storage Tanks
- Impoundment Stabilization and Closure
- Pollution Prevention Planning

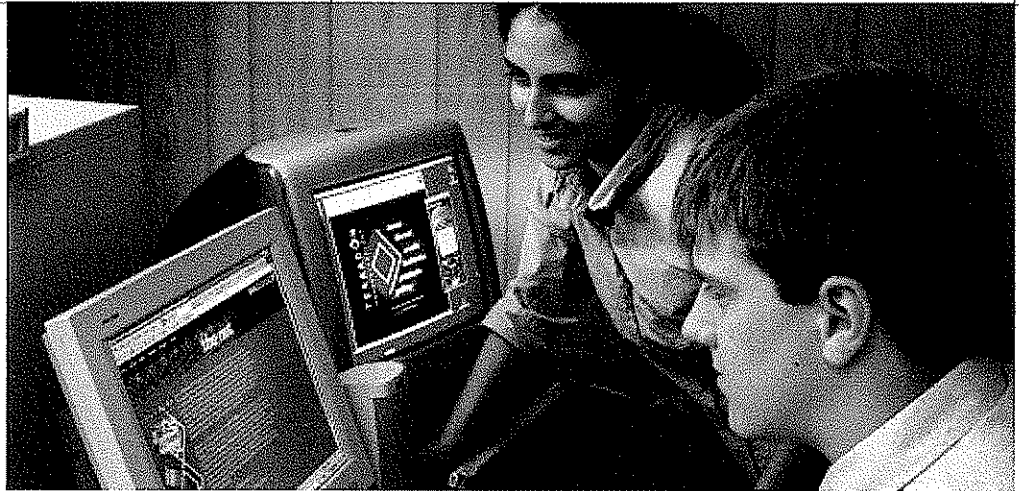


TERRADON

COMPUTER AIDED DESIGN CAPABILITY



TERRADON
maintains the
latest technology in
computer design
and office
management
software.



TERRADON maintains the latest office management and design software available. The firm also utilizes a state-of-the-art secured network tied directly to the internet through a T2 connection.

For site design, civil, and planning projects the firm utilizes Autodesk Civil 3D with Land Development 2007 and Civil Design 2007 Companions. Additional Autodesk modules include Raster Design 2007 and Survey 2007. For highway, roadway, and structural projects the firm uses Microstation and Inroads software. This is the West Virginia Division of Highways preferred format.

TERRADON's library of design software also includes programs for erosion control, hydrology, piping, slope stability, retaining walls, and

drainage.

TERRADON makes a significant investment in computers and related hardware. Our systems are consistently upgraded or replaced to maintain highly efficient CAD stations.

HP8000 laser printers located conveniently to the design stations provide quick 11X17 proof plots for designers. TERRADON uses the latest HP Design Jet plotters to provide the highest quality prints of plans available.

CONNECTION
TERRADON

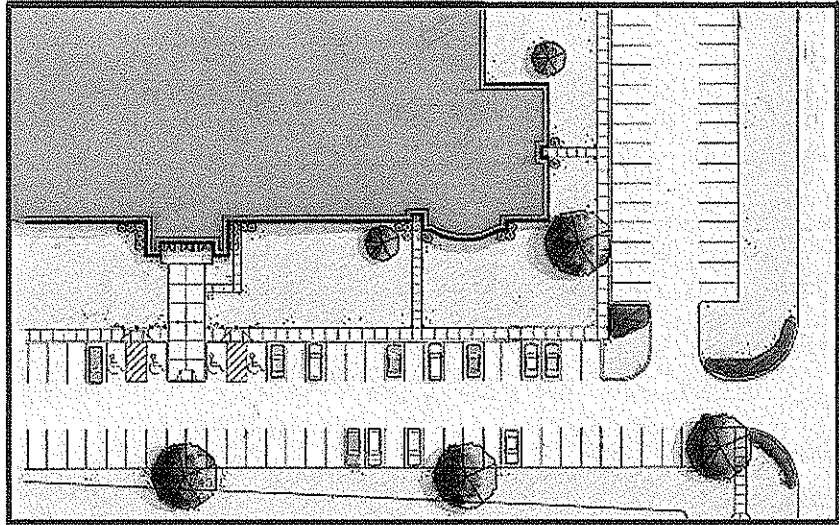
Project Experience

WVARNG Eleanor Readiness Center

- Eleanor, West Virginia

TERRADON provided site engineering and design services for this 15 million dollar Readiness Center located in Eleanor, West Virginia. The firm also provided

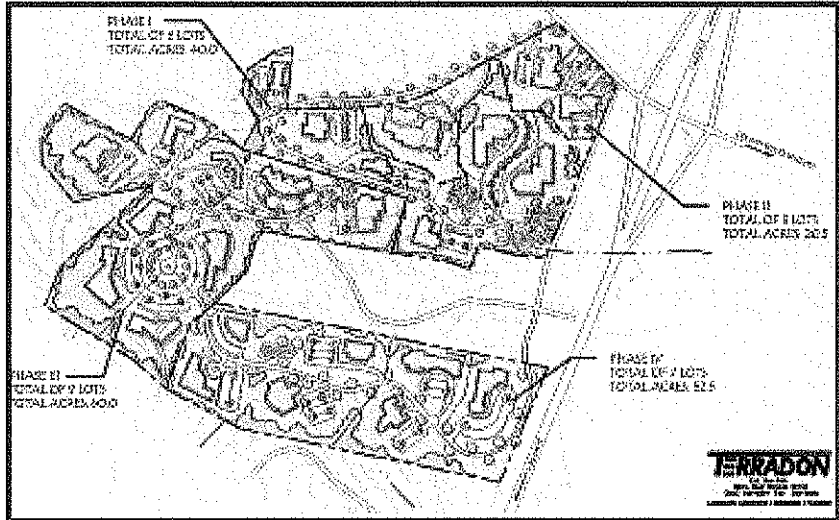
Title II Services for both the Readiness and near by Maintenance Center.



Advantage Valley Business Park

- Putnam County, West Virginia

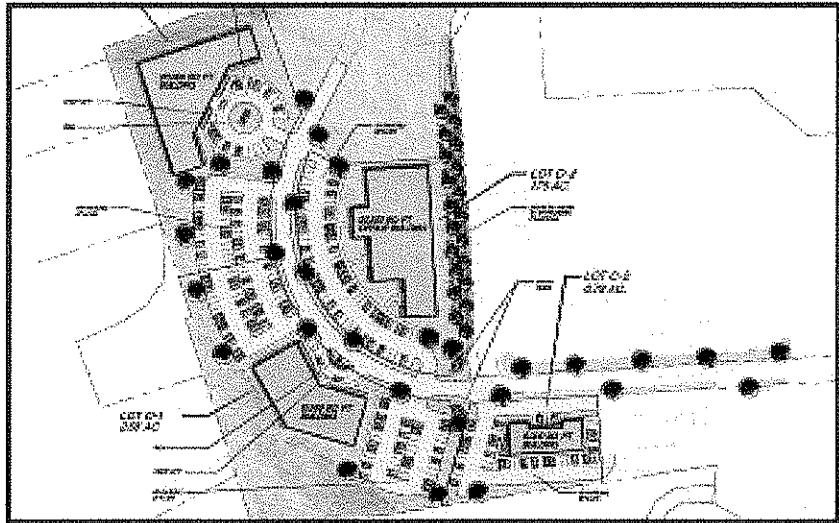
TERRADON provided master planning for this business park located on I-64 near Hurricane, West Virginia.



Southridge Business Park

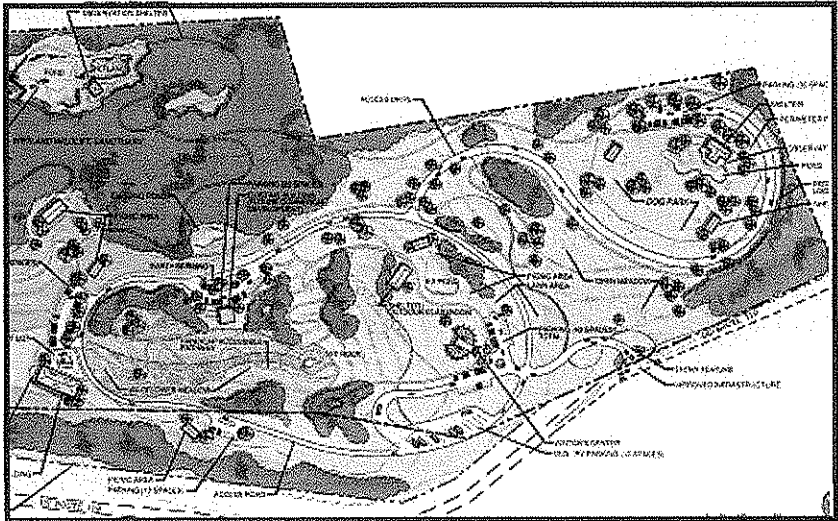
- Charleston, West Virginia

TERRADON provided this masterplan for a professional office park located at Southridge Center.



Project Experience

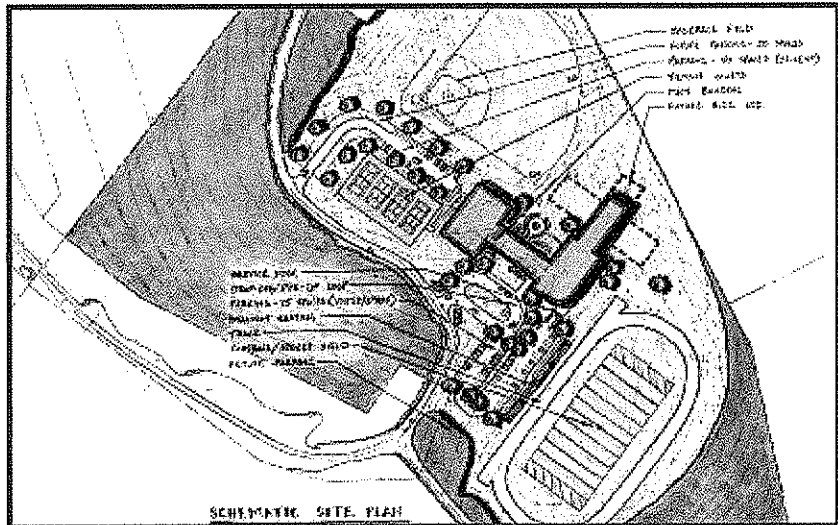
Dorsey's Knob Park and Visitors Center - Morgantown, West Virginia
 TERRADON provided a site master plan for this multi-user facility. When completed the facility will provide recreation as well as a one-stop visitor center for the city, county, and West Virginia University visitors.



Panera Bread
 South Charleston, West Virginia
 TERRADON provided complete site design and civil engineering for this restaurant located in Southridge Center.



Trinity School
 - Morgantown, West Virginia
 TERRADON provided site planning, schematic design, and full civil/utility construction documents for this 7-12th grade private school in Monongalia County, West Virginia.

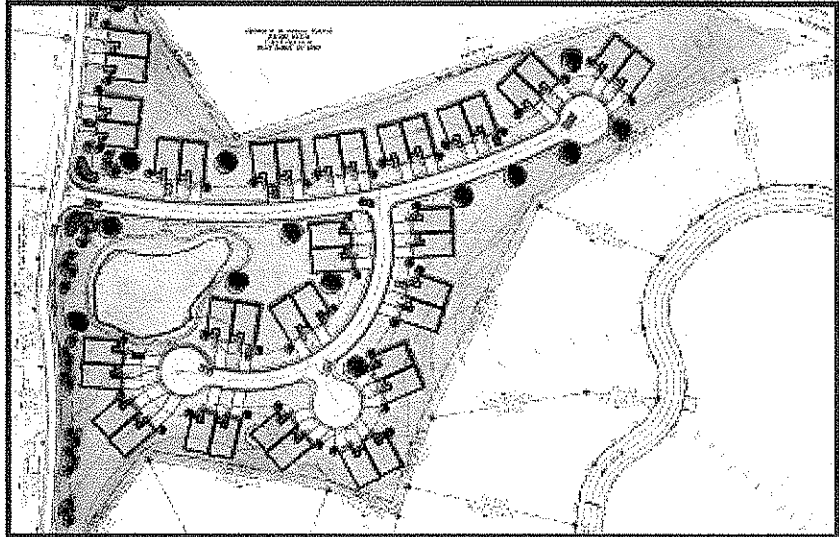


Project Experience

Deer Creek Development

Cabell County, West Virginia

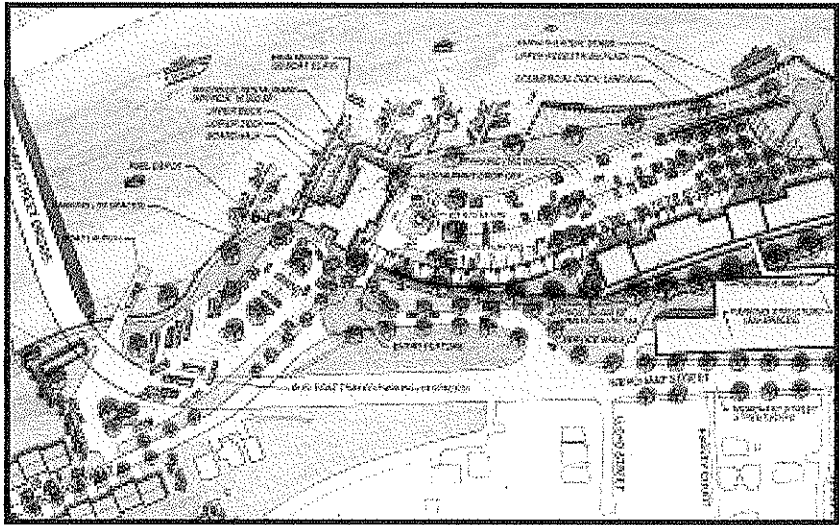
TERRADON provided a master plan and complete site/civil design services for this residential development near Huntington, West Virginia.



City of Fairmont Riverfront Development Master Plan

- Fairmont, West Virginia

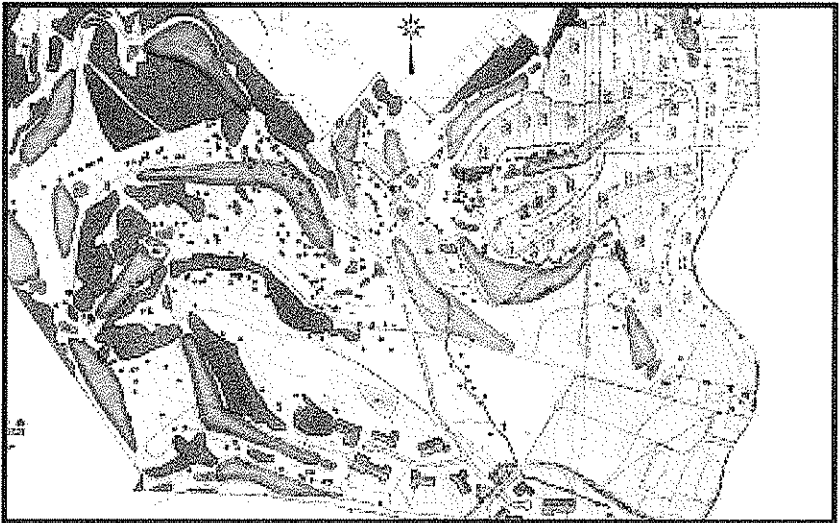
TERRADON provided a land use study and proposed land use master plan for this 30 acre development located on the Monongahela river in Fairmont, West Virginia. TERRADON was awarded an Engineering Excellence Award for this project by the West Virginia Association of Consulting Engineers and a Merit Award by the American Society of Landscape Architects.



Briar Patch Residential Development

Beckley, West Virginia

TERRADON provided a schematic land use master plan for this site located around Briar Patch Country Club.

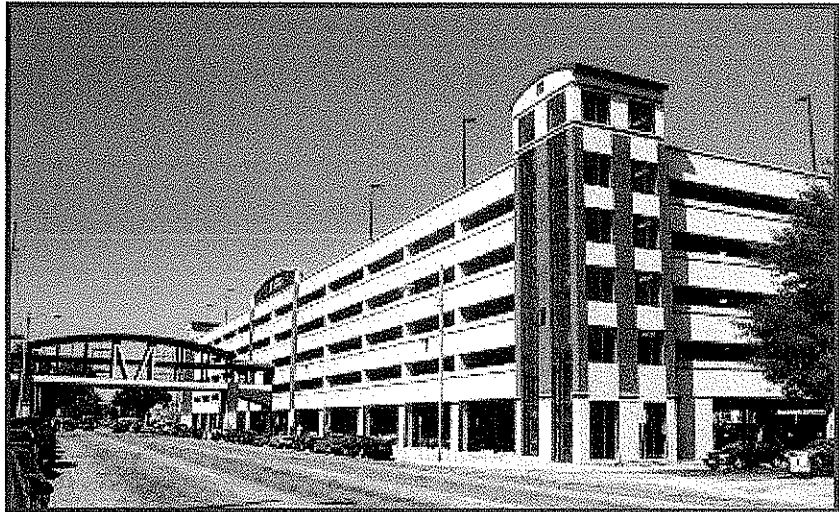


Project Experience

Marshall University Parking Garage

- Huntington, West Virginia

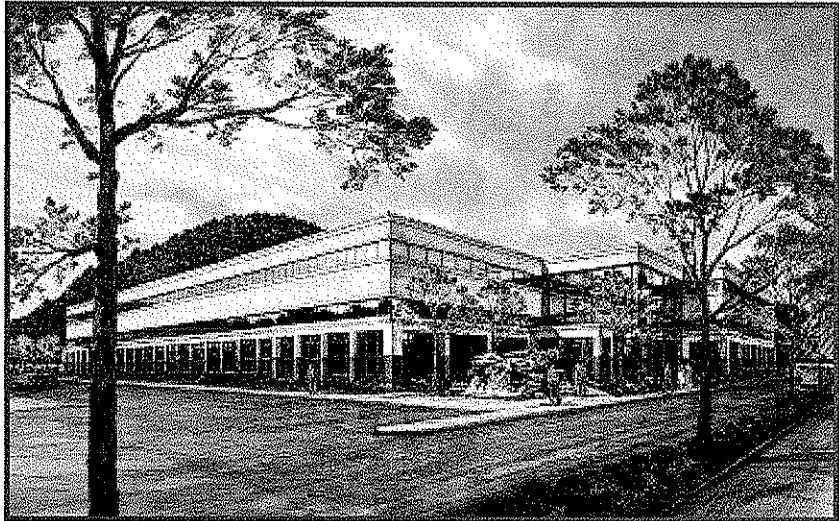
TERRADON provided site engineering and design services to the design-build contractor, BBL Carlton, for a new 1,000 car parking facility at Marshall University in Huntington, West Virginia.



WVDEP Headquarters Building

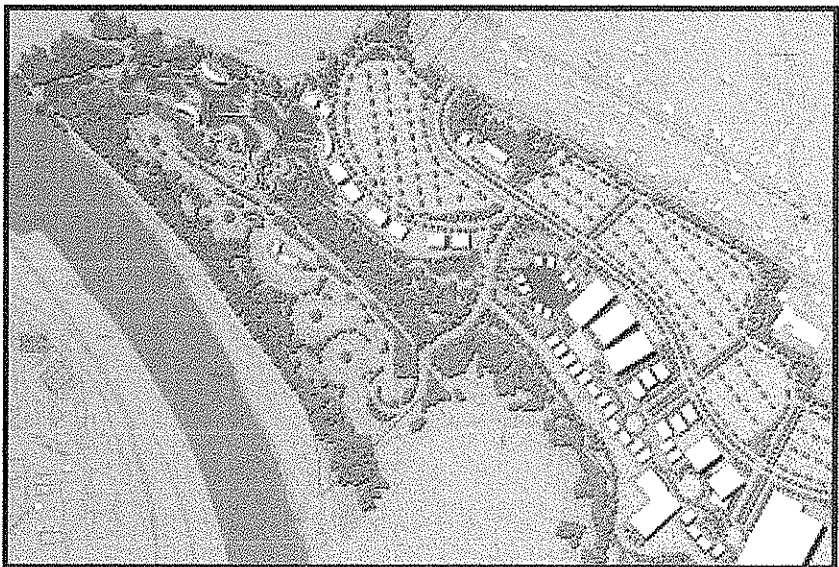
- Kanawha City, West Virginia

TERRADON was responsible for providing all site/civil engineering design to the design-build contractor, BBL Carlton for the new headquarters building for the West Virginia Division of Environmental Protection. This is a 187,000 SF building, and is expected to be recognized as the first Green Building in the State of West Virginia by the United States Green Building Council.



City of Fairmont, Coke Works, Site Redevelopment Plan

TERRADON is the prime consultant responsible for providing a feasibility study, masterplan and complete site/civil design for redevelopment of this previous industrial site located in Fairmont, West Virginia. The two alternatives now being studied include a commercial/industrial distribution center and a sports/recreation destination park.

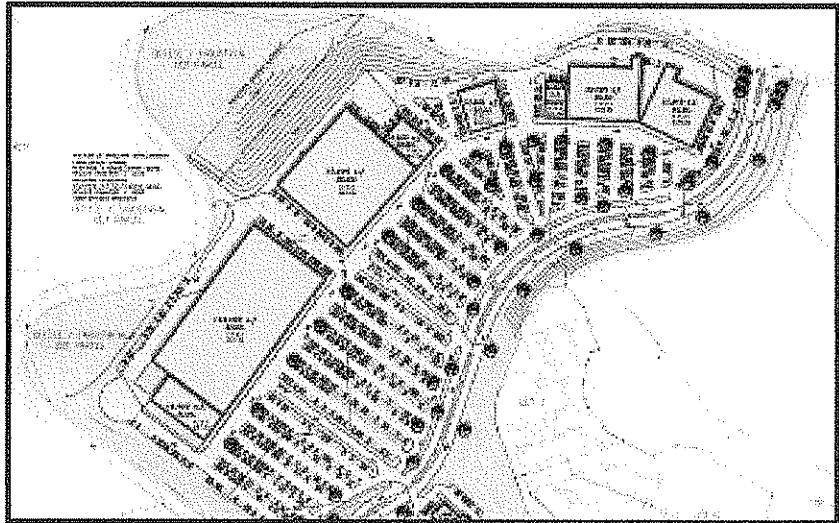


TERRADON
CORPORATION

Project Experience

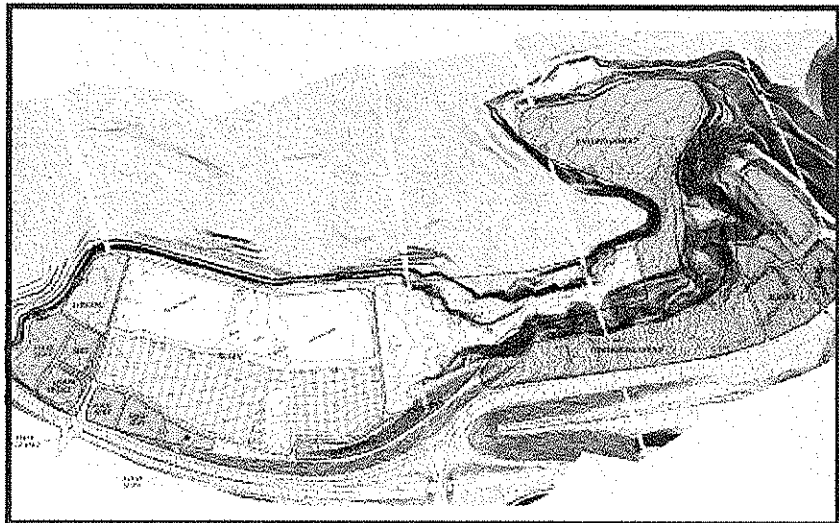
Southridge Commercial Expansion - Charleston, West Virginia

TERRADON provided site masterplanning through complete site design development drawings for the Phase II Retail Development at Southridge Center which includes the Home Depot store. The project included over 2.6 million cubic yards of earth work, 500,000 square feet of commercial floor space with 2,700 parking spaces.



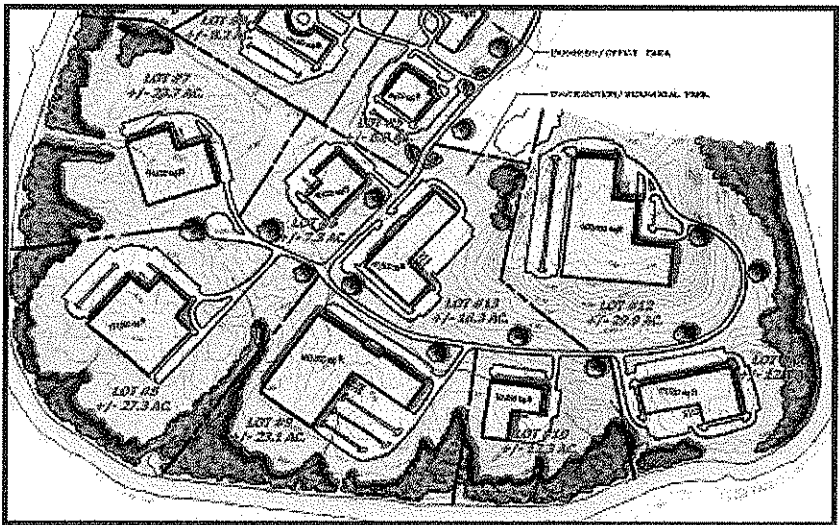
Fountain Place Business Park - Logan, WV

Masterplan preparation and design for a major expansion of the Fountain Place Retail Complex. Expansion plans include the development of a business/office park.



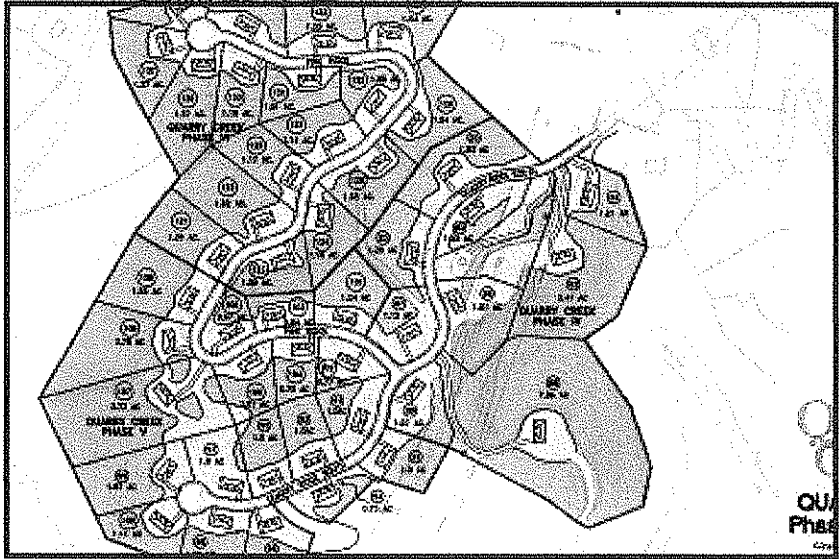
Business/Distribution/Industrial Park - Charleston, West Virginia

Development of a Masterplan for a multi land use development to include a business & office park. Other uses include distribution and light industrial manufacturing.

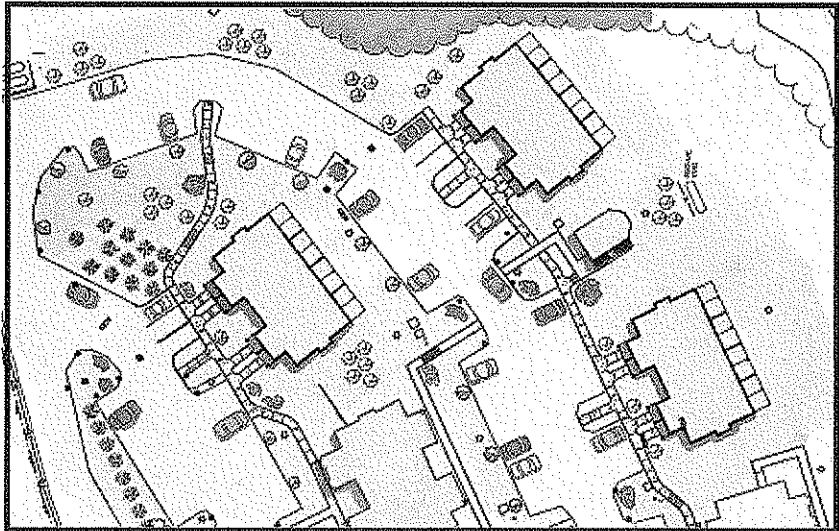


Project Experience

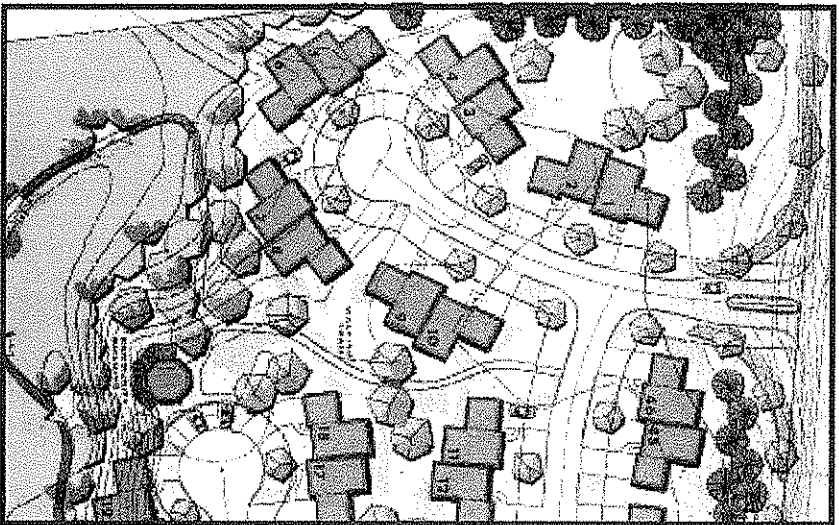
Quarry Creek Residential Development
- Charleston, West Virginia
TERRADON provided site master planning through construction documents for Phase IV, V, and VI of this exclusive residential community that overlooks downtown Charleston and the West Virginia State Capitol.



Camp 4 Residential Village,
- Snowshoe, West Virginia
TERRADON provided site planning and construction document preparation for all site and civil elements of this 12 unit expansion of the Camp 4 Condominium Complex at Snowshoe Resort.

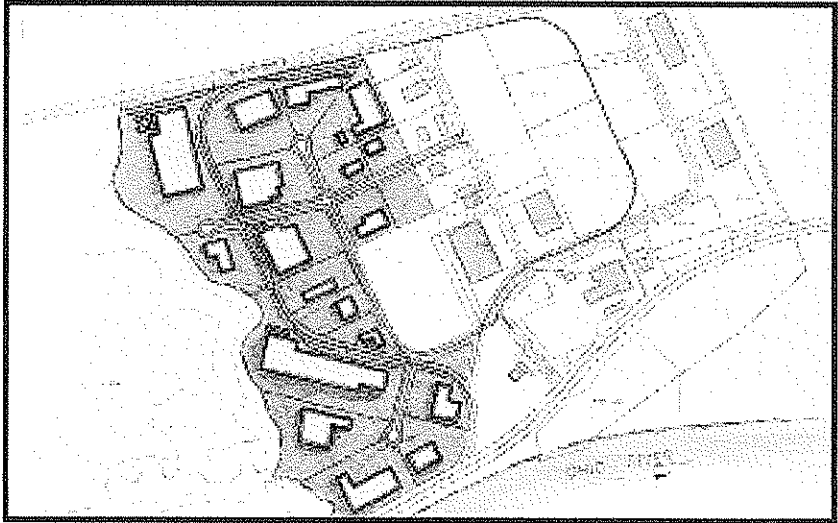


Condo Development
- Ashland, KY
Greg Fox provided masterplan preparation for a condo development in eastern Kentucky.

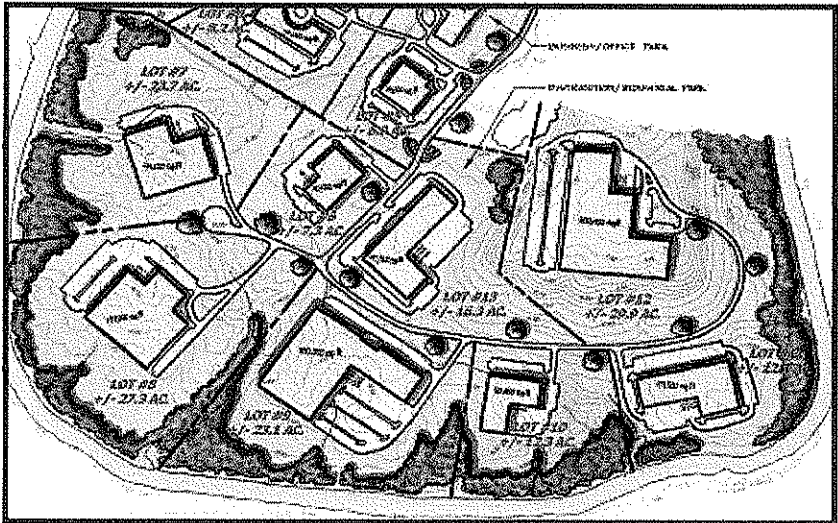


Project Experience

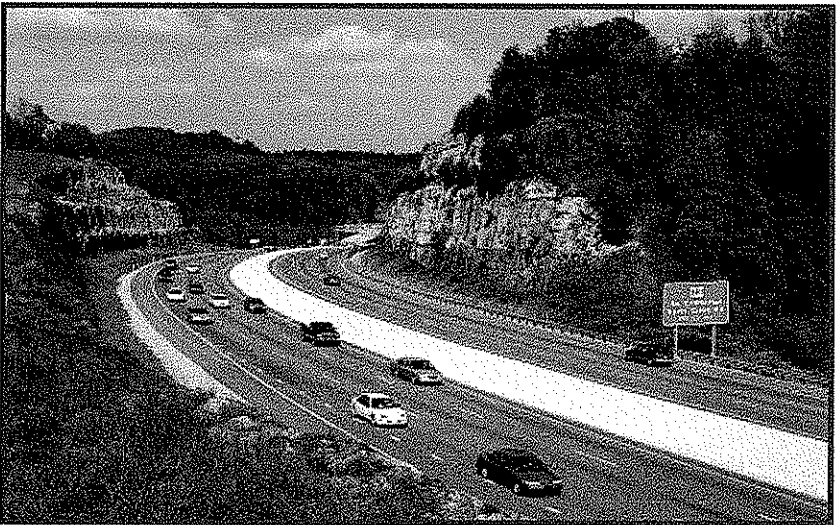
Maritime Business Park –
Ravenswood, WV
Masterplan preparation for a major expansion of the Maritime Business Park in Jackson County, West Virginia



**Business/Distribution/
Industrial Park**
– Jackson County, West Virginia
Development of a Masterplan for a multi land use development to include a business & office park. Other uses include distribution and light industrial manufacturing.



Corridor G Widening
- South Charleston, WV
TERRADON's design for the 4 to 6 lane widening of US 119 in Kanawha County won the WV Department of Highways Engineering Excellence Award for 2000. TERRADON consistently earns excellent and above average scores on WVDOH evaluations. WVDOH often uses TERRADON drawings as examples for other consultants.

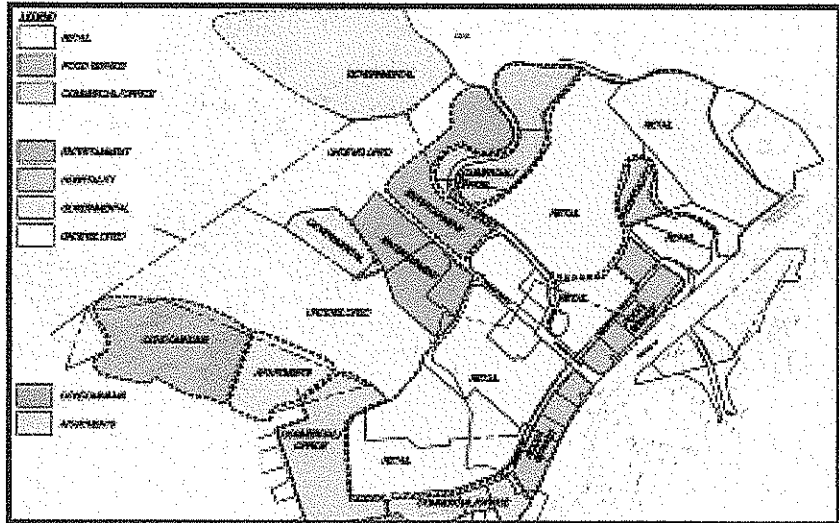


Project Experience

Southridge Center Proposed Land Use Masterplan

- Charleston, West Virginia

TERRADON provided a land use study and proposed land use master plan for this large development located on Corridor G just South of Charleston.



Home Depot

- Charleston, West Virginia

TERRADON provided schematic and final bid documents for all site and civil elements of this national retailers first facility in West Virginia.

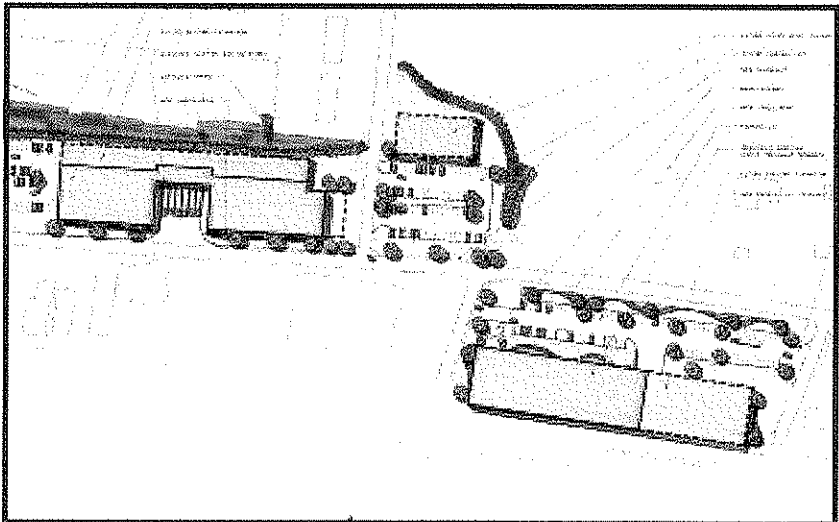


Syscan Systems

Corporate Headquarters -

South Charleston, West Virginia

TERRADON provided site master planning and design for a Charleston based national office network and supply company.



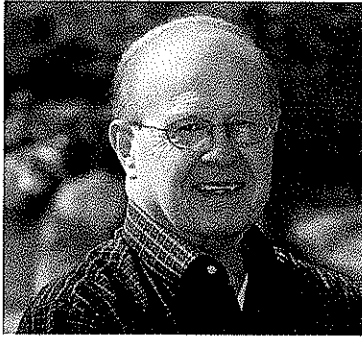
SECTION THREE

**Staff
and
Resources**

E. Ted Boggess, AIA, NCARB, Architect

Chairman of the Board

E.T. Boggess, Architect Inc.



EDUCATION:

Bachelor of Architecture
The Ohio State University
School of Architecture

RESPONSIBILITIES:

Ted founded E. T. Boggess, Architect, Inc., in 1966. Prior to Todd joining the firm, Ted was solely responsible for all design and managerial aspects of the corporation. After serving 35 years as president, Ted decided to hold only the position of Chairman of the Board.

Ted is responsible for . . .

- business development
- document review
- construction observation
- application for payment review
- contract negotiations
- administration

Your project will benefit from his 40+ years of architectural excellence. Ted's understanding of code requirements ensures that your project will satisfy all building, ADA, and life-safety regulations

PROFESSIONAL:

Over the years, Ted has been very active on state and national architectural boards and committees. West Virginia Governors have appointed him to five consecutive, five-year terms on the WV Board of Architects. In addition, he has served on the following national committees:

- National Council of Architectural Registration Boards (NCARB)
- Past Region II Coordinator for NCARB IDP Program
- Past Chairman – NCARB, National Education Committee
- Past Member – NCARB, Procedures and Documents Committee
- Past Member – NCARB, Professional Development Committee
- Past NAAB Accreditation Team Member

These committees are responsible for establishing educational requirements for new architects, and evaluating architectural programs at colleges and universities throughout the country. Even if you don't select our firm, you will still benefit from Ted's years of work improving the educational requirements of today's architects.



PROJECTS:

Ted's extensive work on a variety of projects has prepared him for almost any problem your project may encounter. A few years ago, the parking lot for a new pharmacy that our firm was designing proved to be smaller than the owner wanted. The site was restricted by a creek that ran between the property and the highway. Ted suggested covering the creek with a special system that allowed for increased parking directly over the waterway and provided access directly to the highway at two locations.

Ted will be available to develop the same kind of innovative solutions for your project as well.

PROJECTS

Governmental & Office Buildings:

- Mercer County Courthouse Annex, Princeton, WV
- Concord University Rahall Technology Center, Athens, WV
- WVDOH District 10 Headquarters Office Complex, Gardner, WV
- WVDOH District 6 Headquarters Office Complex, Moundsville, WV
- US Social Security offices for the GSA in Bluefield, Welch and Williamson, WV

- Mercer County Civil Air Patrol Hanger & Headquarters, Bluefield, WV
- First Community Banks in Princeton, WV; Athens, WV; Bluefield, VA; Emporia, VA
- First Century Bank, Beckley, WV
- MCNB Bank, Princeton, WV
- First Sentry Bank, Huntington, WV



WVDOH D-10 Office Building, Gardner, WV



WVDOH D-6 Office Building, Moundsville, WV



Todd Boggess, AIA, NCARB, Architect

President

E.T. Boggess, Architect Inc.



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.

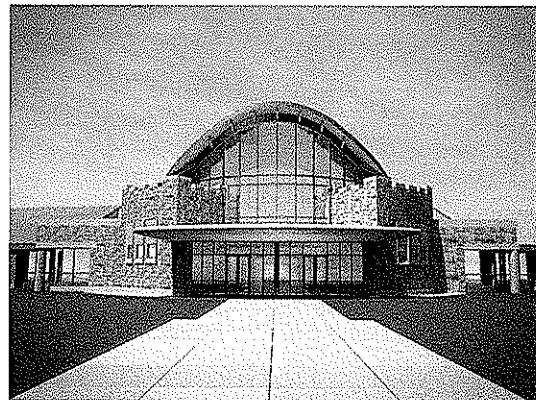
Todd is responsible for . . .

- architectural design and development
- project management and coordination
- computer aided design and visualization
- interior design
- site planning
- submittal reviews/shop drawings

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.

PROJECTS:

As the documents are being finalized for the WVARNG Readiness Center for Elkins, the project has been progressing on schedule and should satisfy a variety of needs. Since this was the first project Todd has designed for the Guard, he conducted a great deal of research regarding the way existing facilities function. His research and discussion with Guard representatives has led to a design that will address the many needs of the WVARNG, Randolph County Unit.



WVARNG Readiness Center, Elkins, WV



Todd's design for the Mercer County Courthouse Annex involved a great deal of preliminary research. He met with each one of the agencies several times to ensure that their new spaces would satisfy all their requirements. The initial meeting was to examine their existing offices and determine how well they functioned. He obtained input not only from the department heads, but also the staff. Once he generated a preliminary design, he again met with the agencies to obtain their approval. Todd will again use this interactive design approach to design the addition and renovations to the Armory in St. Albans.



Mercer County Courthouse Annex, Princeton

Todd is also experimenting with the vast opportunities associated with virtual reality which allows you to actually "walk-thru" your finished building long before the foundation is laid. Both computer renderings and a virtual reality presentation were used by Tazewell Community Hospital as they promoted the Four Seasons Wellness Center which is now open.

PROJECTS

Governmental Buildings:

- WVARNG Readiness Center, Elkins, WV
- Mercer County Courthouse Annex, Princeton, WV
- Concord University Rahall Technology Center, Athens, WV
- WVDOH District 10 Headquarters Office Complex, Gardner, WV
- WVDOH District 6 Headquarters Office Complex, Moundsville, WV
- US Social Security Offices for the GSA in Welch and Williamson, WV
- Pipestem Conference Center (*Addition*), Pipestem State Park
- Nicholas County Judicial Annex (*Renovation*), Summersville, WV

AWARDS:

In the fall of 2003, Todd was selected as one of *West Virginia Executive Magazine's* "Young Guns". He was also selected as "Citizen of the Year – 2000" by both the Princeton/Mercer County Chamber of Commerce and the Princeton Elks Club for his efforts in creating opportunities for new business and improving our overall community.



Stephen E. Mackey

VP - Planning & Design

E.T. Boggess, Architect, Inc.

EDUCATION:

Bachelor of Science Design
Clemson University

Master of Architecture
Clemson University

RESPONSIBILITIES:

With over 25 years of experience in all phases of design and construction, Mr. Mackey brings strong design, management and leadership skills to the firm. His significant experience has enabled him to successfully oversee the design and construction of a number of large government projects. Specific project responsibilities include:

- code review and analysis
- program development
- master plan development
- conceptual design
- design visualization
- project management
- project coordination
- construction specifications
- construction administration and supervision

PROJECTS:

Mr. Mackey recently rejoined ETB Architects after serving as Executive Vice President for two Florida Architectural firms. During his absence, Mr. Mackey served as project manager on several large projects for the Savannah District Corps of Engineers including the 72,000 sf Truscott Air

Terminal at Hunter Army Airfield in Savannah, Georgia which serves as the platform for deploying and redeploying US Army, Reserve Component Army National Guard and Army Reserve units and soldiers. In addition to his design and project management responsibilities, Mr Mackey also directed the day to day operations and management of the firm.

PROJECTS - Government

Buildings:

- Truscott Air Terminal, Hunter AAF, Savannah, GA
- Florida Air National Guard Drug Interdiction Laboratory, Jacksonville, FL
- Chapel for Kings Bay Naval Submarine Base, Kings Bay, GA
- Concord HH-60 Operations/Para rescue Facility, Moody Air Force Base, GA
- Base Supply Support Centre, Robins Air Force Base, GA
- Automated Skyway Express, Eight Public Stations, Jacksonville, FL
- Florida Dept. of Law Enforcement Crime Laboratory & Office Building, Jacksonville, FL
- Florida Dept. of Health Office Building, Tallahassee, FL



EDUCATION:

Bachelor of Architecture
University of the Orange Free
State, South Africa

Master of Design Management
UNITEC
Auckland, New Zealand

RESPONSIBILITIES:

Roy joined ETB in 2004 as a project architect. His area of expertise is in design, documentation, and information management. He will be responsible for the ftp site that we will create to share project information. Most of his work before joining ETB was completed in South Africa and New Zealand. His work in the USA includes government facilities for the West Virginia Army National Guard and other public buildings.

Roy is responsible for . . .

- planning/programming
- construction documentation
- coordination of other disciplines
- ftp site design
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- site visits/construction administration
- overall project management

PROJECTS:

Roy's expertise in project management and communication is reflected in his use of technology to enhance the delivery process via the internet and FTP. His mastery of information management systems will ensure that team members, contractors, and your representatives will be able to share ideas efficiently and cost effectively.

PROJECTS - Public Buildings:

- WVARNG Readiness Center, Elkins, WV
- First Century Bank, Beckley, WV
- Four Seasons Wellness Center, Tazewell, VA
- Mathena Cultural Arts Center, Princeton, WV

Prior to joining ETB, Roy worked on the following similar projects:

- Lewisburg Readiness Center for the National Guard, Lewisburg, WV
- Summersville Readiness Center for the National Guard, Summersville, WV



EDUCATION:

Bachelor of Science
Engineering – Architecture
Fairmont State University

Master of Architecture
Boston Architectural College

RESPONSIBILITIES:

Mr. Turner has recently joined ETB and brings with him experience in architectural design, as well as construction methods and practices. He has a great deal of experience with a variety of public buildings, including governmental and educational. Nathan is a native of Greenbrier County and is very familiar with the surrounding counties. His knowledge of the area will prove beneficial as we proceed with several projects in and around Lewisburg, including two new elementary schools and an addition to Greenbrier West High School.

Specific project responsibilities include:

- architectural programming
- construction documentation
- design visualization
- project management
- project coordination
- construction specifications

PROJECTS – Public Buildings:

- WV Council for Community and Technical College Education - Facility Programming
- Advanced Technology Centers (2) for the WV Council for Community and Technical College Education
- Greenbrier West High School (addition), Charmco, WV

Prior to joining ETB, Nathan worked on the following governmental projects:

- Mecklenburg County Courthouse, Charlotte, NC
- US Federal Courthouse, Jefferson City, MO
- US Embassy, Athens, Greece



EDUCATION:

Bachelor of Science Engineering
Technology/Architecture
Fairmont State University

RESPONSIBILITIES:

Chris joined ETB in 2000 as a CADD Technician. His focus since joining ETB has been construction administration and his current position of Project Manager reflects that area of expertise. Your project will benefit from his superb organizational skills. He attends meetings and keeps track of your needs and wishes through notes and minutes. His timely response to submittals will ensure that your project stays on its construction schedule.

Chris is responsible for . . .

- construction documentation
- organizing and attending meetings
- distribution of minutes and progress reports
- contacting material suppliers
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- construction administration
- site involvement
- contractor jobsite meetings – proactive approach

PROJECTS:

During the construction of the Mercer County Courthouse Annex, Chris monitored the budget very closely. He distributed updated amounts at the monthly meetings with the building commission and was instrumental in keeping the project under-budget. He will be just a diligent with the budget for your project as well.

PROJECTS – Public Buildings:

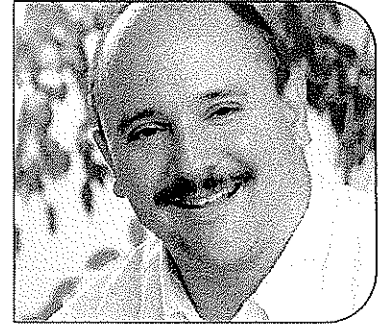
- Mercer County Courthouse Annex, Princeton, WV
- Concord University Rahall Technology Center, Athens, WV
- WVDOH District 9 Office Headquarters, Lewisburg, WV
- Mercer County Civil Air Patrol Hanger & Headquarters, Bluefield, WV
- US Social Security Offices for the GSA in Welch and Williamson, WV
- Beckley Financial Center/IRS Center for the GSA, Beckley, WV



P R O F I L E

Timothy Cox, P.E.,
NCEES.
President
Mechanical Engineer

(304) 598-2558
tcox@cmawv.com



EDUCATION

University of Colorado
Boulder, Colorado
Degree: Mechanical Engineering B.S.

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Association of Energy Engineers-CBCP
Registered Professional Engineer in WV, VA, KY
CPD (Certified in Plumbing Engineering)
Member of ASHRAE
American Society of Plumbing Engineers
National Association of Fire Protection Engineers
WV Society of Healthcare Engineers

EXPERIENCE

Mr. Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering brings 24 years of mechanical design experience to our clients. Mr. Cox has been project manager and project engineer for a variety of projects.

PROJECTS

West Virginia University-

Open End Contract since 1999
Mountain Lair Plaza Renovations
Boreman HVAC/Plumbing/Fire Sprinkler Upgrades
Soccer Stadium
Coliseum Life/Safety Renovations
Coliseum Locker Room Suites
Engineering Science Building Addition/
Renovations
Arnold Hall Fire Alarm/ Fire Sprinkler Upgrades
Wrestling Training Facility

West Virginia University Hospitals

WV Eye Institute-MEP systems design for new facility
Cheat Clinic-MEP design for new clinical addition
WVUH Emergency Department-HVAC, electrical, fire and communication systems design for new addition
Chestnut Ridge Hospital-various MEP renovations
Healthworks Rehab and Fitness -MEP systems design for new facility

Mylan Pharmaceuticals, Morgantown, WV

Various projects including HVAC, plumbing, fire Sprinkler and controls for new office building, fluid bed addition, north plant expansion, parking garage and weighing and packaging.



Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive
Charleston, WV 25313
(304) 343-0316 tel
(304) 343-5146 fax

5 Riddle Court
Morgantown, WV 26505
(304) 598-2558 tel
(304) 598-2472

www.cmawv.com

P R O F I L E

Daniel Lee Ellars, P.E.
LEED AP

Principal
(304) 343-0316
dellars@cmawv.com



EDUCATION

West Virginia University Institute of Technology
Montgomery, West Virginia.
Bachelors of Science in Electrical Engineering

West Virginia State University
Institute, West Virginia
Bachelors of Science in Business Administration

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Registered Professional Engineer in West Virginia

National Fire Protection Association (NFPA)

Institute of Electrical and Electronics Engineers
(IEEE)

American Society of Heating, Refrigerating and
Air-Conditioning Engineers (ASHRAE)

EXPERIENCE

Mr. Daniel L. Ellars, Electrical Engineer for Clingenpeel/McBrayer & Associates, Inc. brings 19 years of electrical design experience to our clients. Mr. Ellars has been a project manager and project engineer for a variety of projects including commercial and industrial facilities as well as for both power and tele-communications utilities.

PROJECTS

Educational Experience

Jackson County (WV) Schools—Electrical
Upgrades &
Expansions.

Hospital Experience

West Virginia University / Ruby Memorial Hospitals
West Virginia Eye Institute—Electrical systems
design for new facility.

Thomas Memorial Hospital—Electrical systems
survey, upgrades and documentation. Standby
emergency power engine/generator replacement.

Military Experience

West Virginia Army National Guard
Eleanor (WV) Maintenance Center—Electrical
systems design for new facility.

Correctional Experience

St. Mary's Correctional Center—Multiple
emergency power engine/generator systems with
combined control and monitoring.

Industrial Experience

Mylan Pharmaceuticals

Mylan Office & Lab Buildings—various electrical
systems designs for new, existing and expanded
facilities including new 23kV/12kV switchyard
and grounding plain layout.



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P R O F I L E

James A. Kerns
Mechanical/Electrical Designer

(304) 343-0316
jkerns@cmawv.com

EDUCATION

West Virginia State College
Institute, West Virginia
Degree: Bachelor of Science in Industrial
Technology/Building Construction

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Member of ASHRAE

EXPERIENCE

Mr. James A. Kerns has over 32 years experience in Mechanical and Electrical engineering design. He has been responsible for design projects in the educational, commercial, and health care fields.

Mr. Kerns has been a great asset to Clingenpeel/McBrayer & Associates. His knowledge and experience enables him to complete project designs in a clear and concise manner and in a timely fashion.

PROJECTS

Kanawha County Schools

George Washington High School-HVAC Renovations
George Washington High School-Classroom Additions
Horace Mann Middle School-HVAC Renovations
Elkview Middle School-Classroom Additions
Elkview Middle School-Fire Alarm System
Ruffner Elementary School-Classroom Additions
Point Harmony Elementary School-Activity Building

Concord College

Athens, West Virginia — various renovation projects throughout the campus, which include Twin Towers Fire Alarm, Twin Towers Elevator Renovation, and Alexander Arts Center Chiller Replacement.

U.S. Postal Service

Open End Contract Since 1993, which encompasses numerous Post Office Renovations, new Post Offices, and new Postal Maintenance Facilities. Mr. Kerns has been Project Manager for over 65 projects for the U.S. Postal Service.

Yeager Airport

New Parking Garage
New Emergency Generator
Electrical Upgrades
Fire Alarm System Upgrade
Security Upgrade
Fire Sprinkler Renovations

CMA

ENGINEERING

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P R O F I L E

Matthew Corathers, E.I
Mechanical Designer

(304) 598-2558
mcorathers@cma.wv.com

EDUCATION

West Virginia University
Bachelor of Science -Mechanical Engineering

PROFESSIONAL DEVELOPMENT

Successfully passed Fundamentals of Engineering Exam

EXPERIENCE

Matt is a recent addition to CMA Engineering having previously worked for Whitman, Requardt and Associates in Baltimore, MD.

PROJECTS

West Virginia University

Mechanical design for new two-story child care facility

University High School, Morgantown, WV

Mechanical design for renovations/ upgrades to the HVAC systems

Randolph County Building

Mechanical design for completion of two story addition and modifications of the existing second floor to be used by the Family Court

Monongalia County Family Court

Mechanical design for renovations to 4,850sf in existing court facility

University of Maryland Field House

Mechanical design for the replacement of two heat exchangers and a domestic use-hot water generator

Villetteville Elementary School, Maryland

Mechanical design for the addition of 24 new classrooms



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P R O F I L E

Jeremy R. Perry, E.I.
Mechanical Designer

(304) 343-0316
jperry@cmawv.com

EDUCATION

San Jose University
San Jose, CA
Degree: Mechanical Engineering B.S.

PROFESSIONAL DEVELOPMENT

Successfully passed Fundamentals of Engineering Exam

WV Society of Healthcare Engineers

Various ASHRAE, HVAC and LEED design courses

EXPERIENCE

Jeremy is a recent addition to CMA Engineering having previously worked for MKK Consulting Engineers, Billings, Mt.

PROJECTS

Educational Experience

Bighorn County School District #1, Wyoming
Grey Bull Elementary-LEED Analysis
New Rocky Mountain Junior/Senior High
Cowley High School

Sheridan County School District#1, Wyoming
Big Horn High School Campus
Tongue River High School

Powell High School Kitchen Renovation
Shoshoni High School Gym Renovation

Hospitality Experience

Warren Miller Lodge, Big Sky, MT

Religious Facilities

King of Glory Church, Billings, MT

Commercial Experience

Sheridan Bank, Sheridan, WY
Bighorn County Historical Museum, Hardin, MT



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P R O F I L E

Larry Weese
Mechanical/Plumbing Designer

(304) 343-0316
lweese@cmaav.com

EDUCATION

West Virginia University
Morgantown, West Virginia
Degree: Division of Forestry BS,MS

PROFESSIONAL DEVELOPMENT

Various seminars and technical sessions

EXPERIENCE

Mr. Larry Weese, Mechanical Designer for Clingenpeel/McBrayer & Associates, Inc. brings 18 years of mechanical design and project management experience to our clients.

PROJECTS

Emergency Response Facilities

Raleigh County 911-New Facility
Mason County 911-New Facility
Randolph County 911-New Facility
Orchard Manor Fire Station-New Facility

Primary/Secondary Educational Experience

South Charleston Middle School Toilet Renovations
Shady Springs High School Classroom Additions
Clear Fork Elementary School HVAC Renovations
New Sissonville Middle School
Nitro High School Toilet Renovations
Fairdale Elementary School

Higher Educational Experience

Marshall University-Band Practice Facility
Marshall University-Morrow Library Renovations
Fairmont State University-New Student Union
WVU Institute of Technology-
Old Main Fire Sprinkler
Engineering Building Fire Alarm/Sprinkler

Commercial Experience

Verizon-Variou projects including 1500 MacCorkle
Office Building Renovations
Public Service Commission- New Parking Garage
and Office Renovations
New Medical Office Building-Clarksburg, WV
Silver Tree Suites-New Hotel in Deep Creel, MD



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www.cmaav.com

Resume



Douglas R. Richardson, P.E.
President/Structural Engineer

Education

North Carolina State University, (8/87-5/89).

Masters of Science in Civil Engineering, major in structures and minor in construction.

GPA 4.0/4.0.

West Virginia University, (8/83-8/87)

Bachelors of Science in Civil Engineering.

Ranking: 1st out of approximately 450 College of Engineering graduates. GPA 3.98/4.0.

Professional Registration

Professional Engineer - WV #11699, MS #12349

Maintains active record with NCEES to facilitate prompt registration in additional states as required.

Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild

US Green Building Council



Resume



FaLena R. Perry, E.I.T.
Project Manager/Structural Engineer

Education

University of Kentucky, (8/03-12/05).

Masters of Science in Civil Engineering,
Structural emphasis.

University of Kentucky, (8/98-8/03).

Bachelors of Science in Civil Engineering,
Structural emphasis.

Professional Registration

Engineer In Training

Professional Affiliations

Structural Engineers Association of Kentucky

American Concrete Institute

American Institute of Steel Construction

Experience

500's on Main, Lexington, KY. 167,000 s.f. Mixed

Use Development spanning a city block.

Kentucky Outdoor Arena and Hospitality Building.

10,000 seat equestrian arena with hospitality
suites.

MacAdam Student Observatory. Modularly con-
structed steel frame observatory.

New Science Building, Eastern Kentucky University.

180,000 SF Classroom and laboratory facility.



PROGRAM TEAM STAFFING

GREGORY D FOX, ASLA
LANDSCAPE ARCHITECT

TERRADON's Land Development Services are managed by Gregory D. Fox, ASLA. Mr. Fox, a native of West Virginia, has been responsible for a number of notable recreation, commercial, and educational site development projects since joining TERRADON in February of 2000. His group earned a 2001 Engineering Excellence Award from the West Virginia Association of Consulting Engineers for the master planning of an extreme sports park at WVUIT in Montgomery. They also earned a 2002 Engineering Excellence Award from the West Virginia Association of Consulting Engineers and a 2002 Merit Award from the American Society of Landscape Architects for the City of Fairmont Riverfront Master Plan project. Most recently, the 2005 Gold Award from the American Council of Engineering Companies and a 2005 Honor Award from the American Society of Landscape Architects was presented to the firm for the site design of the new West Virginia Division of Environmental Protection Headquarters Building.

REGISTRATION Professional Landscape Architect
West Virginia
Virginia
Ohio
Pennsylvania

EDUCATION B. S. Landscape Architecture, 1988, West Virginia University
B. A. Geography (Planning), 1994, West Virginia University

WORK EXPERIENCE
2000 - Present TERRADON Corporation
1996 - 2000 Martin Boal Anthony & Johnson Architects, Charlotte, NC
1993 - 1996 Site Design, Huntington, WV
1989 - 1993 E.G.&G., Inc., Akron, OH
1988 - 1989 PSC Engineers, Lancaster, PA

PROJECT EXPERIENCE
Fairmont Coke Works Site Redevelopment, Fairmont, WV
Fountain Place Development, Logan, WV
Southridge Center Phase II, Charleston, WV
Fairmont Riverfront Master Plan, Fairmont, WV
Blue Mountain Village, Bluefield, WV
Ashland Development, Southern, WV
Quarry Creek Expansion, Charleston, WV
Lake of Egypt, Southern Illinois
River Ridge, Gauley Bridge, WV
Leatherwood Crossing, Bluefield, VA
Black Diamond, Blacksburg, VA
The Homestead, Warm Springs, VA



PROGRAM TEAM STAFFING

JAMES L DOWNEY
CIVIL ENGINEERING MANAGER

TERRADON's Civil Engineering manager is Jim Downey. Mr. Downey has more than 30 years of experience in planning, design, funding, permitting, construction management and operations of wastewater treatment, pumping and collection systems. His current assignments include water pumping, storage and distribution systems, wastewater treatment projects, and several public and private sanitary landfill construction projects.

EDUCATION

A.S. Civil Engineering Technology, 1975, WV Institute of Technology
B.A. Regents, 2001, West Virginia University Institute of Technology
17 Post-Graduate Hours in Environmental Engineering, Marshall University Graduate School

WORK EXPERIENCE

2006 - Present TERRADON Corporation
1993 - 2006 Charleston Sanitary Board, Operations Manager
1976 - 1993 Kelly Gidley Blair & Wolfe, Senior Project Manager, and Vice President of Engineering Production

AFFILIATIONS

Water Environment Federation
West Virginia Environmental Association, State Vice-President

PROJECTS

Elk-Pinch PSD Sewer Project

Served as Project Manager for the \$12 million sewer project. Served as primary writer of the 201 Facility Plan for the project, and assumed the role of designer for the sewer construction contract for the Pinch area which included the design of eight sewage pumping stations. (While at KGB&W)

City of Montgomery WWTP And Morris Creek Pump Station Upgrade

Project Manager of the 0.5 MGD WWTP and Morris Creek Pump Station Upgrade. Served as primary designer and design team leader for the WWTP. (While at KGB&W). Upgrade consisted of new oxidation ditch with boat clarifier, innovative aeration and mixing, and a vacuum sludge drying bed.

City of Elkins WWTP

Served as Project Manager and primary designer for the 2.0 MGD new wastewater treatment plant. New plant consisted of 2.0 MGD boomerang shaped oxidation ditch, new clarifiers, screw pumps for return sludge, post aeration, ultraviolet light disinfection and belt filter press. (While at KGB&W)



PERSONNEL RESUMES

JAMES L DOWNEY
CIVIL ENGINEERING MANAGER

PROJECTS
CONTINUED

City of Buckhannon WWTP

Participated in the design of the new 1.5 MGD dual oxidation ditch design. Design responsibilities were for the oxidation ditches and clarifiers. (While at KGB&W)

Union Public Service District - 40th Street Plant Upgrade

Served on design team to upgrade plant to a 0.4 MGD contact stabilization activated sludge plant. Responsibilities were for sizing the contact stabilization process and aerators. (While at KGB&W)

Flatwoods Canoe-Run PSD - Sewage Pumping Stations

Primary designer of six sewage pumping stations to convey sewage from the town of Gassaway to the Town of Sutton for treatment. (While at KGB&W)

City of Charleston Elk Two Mile - Sewer and Sewage Pumping Station

Designed three miles of sewer and a sewage pumping station to serve Capitol High School, Coonskin Drive, and the residents along Elk Two-Mile Creek in Charleston. (While at KGB&W)

City of Charleston Sanitary Board - Ruthdale Sewer Extension

Served as Project Manager for the \$8 million project to extend sewers into Corridor G to serve the new Southridge Centre. (While at KGB&W).

Corridor G Pump Station Upgrade

Designed upgrades to the sewage pumping stations and force main for the Corridor G area of Charleston. The project included a 1000 foot long, butt-fused polyethylene force main across Kanawha River. A total of four sewage pump stations were upgraded at a cost of \$2.5 million. (While at CSB).

Belt Filter Press Replacement

Designed a new 2 meter belt filter press, polymer system, wash water booster station, conveyors, and sludge feed pumps. Cost was \$800,000 (While at CSB).

Porter's Hollow Pump Station And River Crossing Upgrade

Designed an upgrade to the Porter's Hollow Pump Station and 1000 foot river crossing across Kanawha River. Project included two 2000 gpm pumps, variable frequency drives, odor scrubbers, hoist and trolley to remove pumps, magnetic flow meter, and 1,500 feet of 24" gravity sewer. (While at CSB)

TERRADON
CORPORATION

SECTION FOUR

**Construction Management
included with
Scope of Services**

Scope of Services and Approach

E.T. Boggess, Architect Inc.

SCOPE OF SERVICES

The ETB team of professional consultants can provide the WV Office of Miners' Health, Safety & Training with any or all of the following services:

- Architectural Design
- M/E/P Design
- Site Development / Parking
- Civil Engineering
- Landscaping Design
- Structural Engineering
- Feasibility Studies
- ADA Compliance Evaluation
- Computer Visualization

The services listed above will be accomplished in steps or phases beginning with Pre-Design/Planning, then Schematic Design Phase, followed by Design Development Phase. Once you approve the final design, we start the Construction Documents Phase, then proceed to the Bidding Phase, and, finally, the Construction Management/Administration Phase. The information that follows will help you understand each phase.

Pre-Design/Planning

Our team's services in this first critical phase will lay the groundwork to clarify project goals and design issues. We have no preconceptions and will work to answer your project needs as we define them together.

Services/tasks include . . .

- Determine project goals and design objectives.
- Identify project constraints and opportunities.
- Gather and analyze data – space program/staffing.
- Evaluate site – arrange for geo-tech analysis, if necessary.

Schematic Design Phase

The schematic design documents will establish the general scope and conceptual design of 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 results in your understanding and acceptance.

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

- Conceptual Site Plan
- Preliminary Building Plan with elevations or space adjacency studies
- Perspective Sketches
- Preliminary Cost Estimates

Design Development Phase

Services in the design development phase strive to achieve the refinement and coordination necessary for a polished work of architecture.



Scope of Services and Approach

E.T. Boggess, Architect Inc.

Here 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 . . .

- Architectural
- Mechanical
- Electrical
- Plumbing
- Fire Protection Systems

Final Design Phase / 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 design development 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.

Bidding 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.
- Identify prospective bidders.
- Organize or participate in pre-bid conference.
- Distribute bidding documents.
- Address questions submitted by bidders.
- Review and evaluate competitive bids.
- Assist client in contractor interviews for obtaining negotiated proposals.
- Award contract for construction.

Construction Management / Administration Services

Contract management/administration services are important in order to ensure construction conforms to design intent and assists the Owner in understanding the entire process.



Scope of Services and Approach

E.T. Boggess, Architect Inc.

The architect, serving as a construction administrator, observes construction for conformity to construction documents and specifications, and can resolve construction problems early.

Services/tasks included . . .

- Establish lines of communication.
- Maintain and distribute paperwork/records.
- 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.
- Supervise completion and closeout.
- Assist with any post-occupancy issues.

APPROACH

The Integrated Design Process is our process of design in which the users, owners, and the ETB team (architects and engineers) and project participants are all integral team members. This integrated process and the implementation of high performance design requires both efficiency and innovation.

Active participation of users, code officials, cost consultants, civil, mechanical, and electrical engineers, and the community in general is critical to the project's success. In our role with this team as the design leader and project organizer, ETB will be responsible for coordinating and orchestrating the work of the many disciplines and users involved throughout the design, documentation, and administrative functions of the project.

We have been successful in the development of ETB project websites that can have different levels of access and/or security for the review or distribution of many facets of the project. These can range from meeting minutes and submittals to updated CADD plans and graphics to virtual project walk-thrus and photorealistic imagery. We feel that the project website is a key communication component for all types of information related to the project.

High Performance Buildings – those that incorporate the very best design strategies and building technologies – are long-term, critical investments in the future of our state. They simultaneously provide better working environments for our citizens, cost less to operate, and help protect the environment. High Performance Buildings are . . .

- healthier (superior indoor air quality)
- thermally, visually & acoustically comfortable (day-lighting)



Scope of Services and Approach

E.T. Boggess, Architect Inc.

- energy, water and material efficient (life cycle cost analysis)
- safe and secure
- adaptable
- easy to operate and maintain.

They also incorporate environmentally responsible site planning, stimulating architecture, foster a sense of pride and accountability, and provide a resource for the entire community.

Sustainable Design is a direction in architecture that we have been practicing for many years. Two of the architects in our office are presently studying for LEEDs Certification and should accomplish this in the near future. We feel this direction in designing and constructing buildings is necessary to achieve the minimal impact on our world's natural resources. We must learn to use these natural resources in conjunction with our technology to achieve the quality and standards of life that do not destroy future generations' environments.

These directions are very cost effective when properly approached. The architect and the client need to recognize and understand that cost is measured in many ways. We must approach solutions that provide the comforts we seek and do so within restricted budgets. It truly is a team effort to make it work to everyone's satisfaction.

