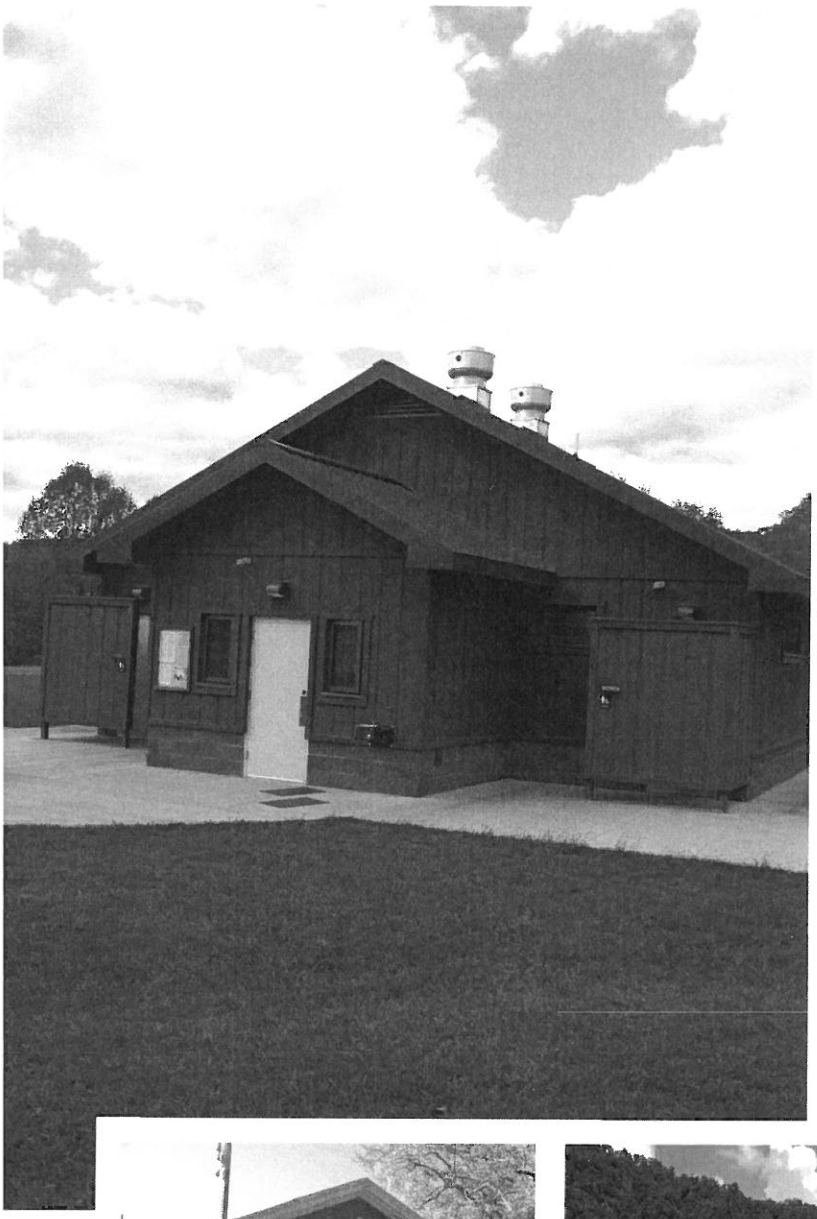

Alpha ARCHITECTS ENGINEERS

MILLER ENGINEERING, INC.

WV Division of Natural Resources

Pipestem Resort State Park

A/E Services

October 14, 2014

EXPRESSION OF INTEREST

10/14/14 10:00:30AM
West Virginia Purchasing Division

think Alpha first.com

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

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

Proc Folder: 18835

Doc Description: Parks - Pipestem - A/E Laundry Facilities

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2014-09-05	2014-10-14 13:30:00	CEOI 0310 DNR1500000007	1

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

Alpha Associates, Incorporated
209 Prairie Avenue
Morgantown, WV 26501
304-296-8216

FOR INFORMATION CONTACT THE BUYER

Dean Wingerd
3045580468
dean.c.wingerd@wv.gov

Signature X _____ **FEIN #** 550516286 **DATE** 10/07/14

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

CERTIFICATIONAND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Alpha Associates, Incorporated

(Company)

Richard A. Colebank, President & COO

(Authorized Signature) (Representative Name, Title)

304-296-8216 - Phone and Fax

(Phone Number) (Fax Number) (Date)

RFQ No. DNR1500000007

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Alpha Associates, Incorporated

Authorized Signature: _____ Date: 10-07-14

President and COO

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 7th day of October, 2014

My Commission expires Aug. 4, 2019.

AFFIX SEAL HERE

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Diann C. Clark
Alpha Associates, Inc.
209 Prairie Avenue
Morgantown, WV 26501
My Commission Expires Aug. 4, 2019

NOTARY PUBLIC _____

Alpha
ARCHITECTS ENGINEERS

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Alpha
ARCHITECTS ENGINEERS

October 14, 2014

Department of Administration, Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

Attn: Dean Wingerd

Re: A/E Services Relocation of Existing Laundry Facility

Dear Mr. Wingerd,

Alpha Associates Incorporated is pleased to submit our qualifications to provide architectural and engineering design services related to the evaluation of potential laundry facility locations. This initial evaluation will be followed by design for the relocation of the existing laundry facilities at Pipestem Resort State Park.

Alpha has provided renovation, addition and new construction project design services throughout West Virginia for over 45 years. Our experience includes a wide variety of project types such as restroom facilities, recreation areas, storage facilities, maintenance shops, office buildings and much more. Alpha's staff has also completed numerous site and building evaluations. Additional information on these projects is included herein for your review.

Alpha's combination of architectural design and civil and structural engineering will prove to be beneficial throughout this project. Alpha's architects and engineers along with our MEP Consultant, Miller Engineering, will work together to ensure that all aspects of the project come together seamlessly; from site evaluation/selection to building design to wastewater treatment design. Together, Alpha and Miller will provide the WVDNR with a cohesive design from start to finish.

The Alpha Team will work with WVDNR staff, administration and park officials to implement your needs/wants for the new laundry facility. Our goal is to produce high quality designs that exceed your needs while paying close attention to the schedule and project budget. Our Design Team is eager to begin work on the new laundry facility. We look forward to discussing this project with you further.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

Richard A. Colebank PE, PS
President and COO
rick.colebank@thinkalphafirst.com
09 Prairie Avenue / Morgantown, WV 26501-5934
04.296.8216 / 800.640.8216 / 304.296.8216 fax

Alpha
ARCHITECTS ENGINEERS

Firm Profiles

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Alpha
ARCHITECTS ENGINEERS

Firm Profile

FIRM NAME
Alpha Associates, Incorporated

OFFICE LOCATIONS:
209 Prairie Avenue
Morgantown, West Virginia 26501

535 West King Street
Martinsburg, West Virginia 25401

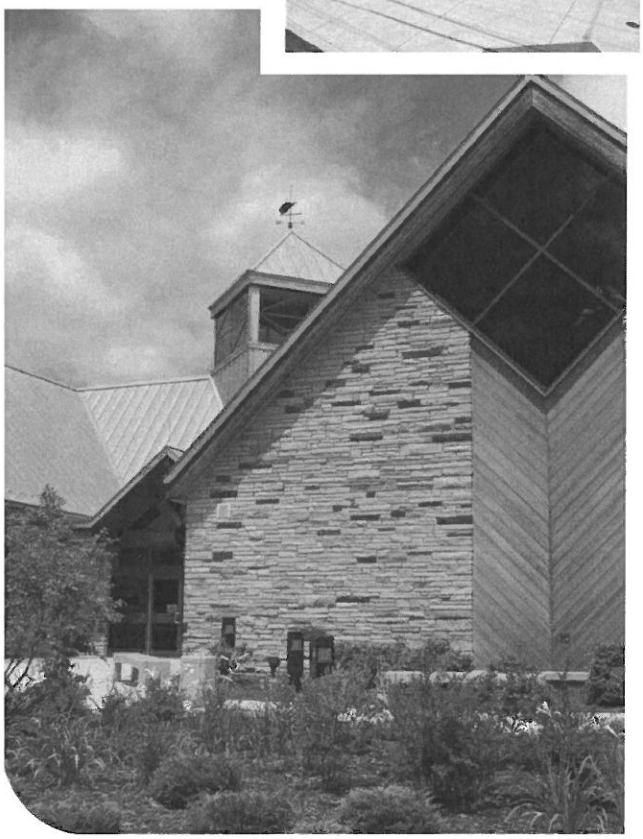
2506 Kanawha Blvd. East
Charleston, West Virginia 25311

INCORPORATED
1969; Morgantown, WV

FIRM PRINCIPALS
Richard A. Colebank, PE, PS; President and COO
Richard W. Klein, PE, PS; Chairman and CEO
Charles B. Luttrell, PE; Principal
Matthew S. Breakey, AIA, LEED-AP; Principal
Charles B. Branch, PE; Principal

NUMBER OF EMPLOYEES
25 Employees

SERVICES
Architectural Design
Civil Engineering
Structural Engineering
Surveying
Interior Design
Landscape Architecture
Construction Administration



Alpha Associates, Incorporated was established in 1969 and since that time has completed hundreds f projects throughout Morgantown and the state of Vest Virginia. Alpha's Corporate Office is located in Morgantown with our Eastern Regional Office located in Martinsburg.

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MILLER
ENGINEERING, INC.

Our firm capabilities and experience, uniquely qualify Miller Engineering (MEI) for this WVDNR project.

Each and every project is approached with a ***complete assessment process***. Miller Engineering values the relationship with the client and other professional stakeholders to deliver projects in a timely, constructable, and professional manner.

Miller Engineering is an integral and active solutions provider within this process. We ***partner*** with clients to control first and life cycle cost. This provides a value to the building project both in the short-term and long-term for the owner.

The Miller Team maintains professional competencies through on-going training and education.

Excellence in design solutions is practiced and maintained through consistent site visits during the construction process. Miller Engineering designs mechanical, electrical, and plumbing systems for new construction, renovations, feasibility studies, and system repairs.

Engineering Design and Consultation Capabilities

- Plumbing, Electrical, Mechanical
- Data/Telephone
- Fire Alarm/Suppression
- HVAC Design

Aquatic Facility Design
Construction Administration
Communication System
Energy
Facility Maintenance/ Utilization
Fire Alarm/Supression

Relevant Benefits to the WVDNR Project -

- Experienced and Licensed Professional Engineers
- Quality, Value-Engineered Project Delivery
- Below Industry Change Order Status
- LEED-AP Certified
- Qualified Construction Representative on Staff
- Building Information Modeling
- Consistent, Professional, Hands-on Service
- Emergency Facility Response
- Extensive Experience with WV Construction for Renovation
- Availability to Ensure Project Success
- Experience and Knowledge of the WVDNR Goals and Needs
- Consistent Communication with Owner
- Cost Control Matrix Solution

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ARCHITECTS ENGINEERS

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Project Approach

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Similar projects completed by Alpha:

- Commercial laundry, for student use at Augusta Apartment Complex
- Bath Houses at North Fork Hughes River Park
- Laundry design at North Fork Hughes Park
- Public Restroom facilities at Ruby McQuain Amphitheater Park
- Commercial (Large) washers and dryers for High School teams at Jefferson County High School
- Laundry area for staff at Berkeley Springs Bath House

Procedure for communication with owner:

- Establish timeline / schedule with milestones (goals) along the way.
    - Timeline is developed from design kick-off meeting thru construction, and establishes the amount of time for bidding, construction documents, design development, schematic, etc.
- Provide detailed meeting notes within three days after each design meeting, during the design process and Progress meetings during construction.

Project Budget Plan

- Each Phase of the project an estimate of probable cost will be developed
    - End of Schematic Submission, Design Development and Construction Docs.
- Each submission cost estimate gets more refined, diminishing the amount of design contingency.
- History of Cost estimates, places Alpha in the middle of the bids, ideally there will be some below and some above us.

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PROJECT APPROACH:

While most projects may have a Program and site location already in mind, this project requires an analysis of the available locations to provide the initial program and budget evaluation. This preliminary step shall be called **Programming Phase**.

- Kick-off meeting on site with ALL stakeholders.
- Site tour from owners on all possible site relocations areas.
- Evaluate sites from ease of access, availability of services and infrastructure.
- Develop sq. ft. cost analysis at each location to assist with decision making process.
- Upon selection of site and establishment of budget project will enter **Schematic Design Phase.**
- Provide alternate designs that will accomplish the goals and requirements of the program for the site selected. Demonstrate that operationally the function of the space meets the program requirements.
- Provide potential solutions for the Mechanical/Electrical and Plumbing requirements.
- Upon selection of the best Operational Scheme, provide schematic drawings that can also be estimated with a probable cost.
- Upon approval of the Schematic design and probable cost, the project enters the **Design Development Phase.**
- Team provides more detailed drawings, establishing finishes, and creating the Mechanical/electrical and plumbing infrastructure.
- Refines estimate, begins the material specifications of the products and items going into the project.
- Upon approval of the Design development the project enters the **Construction Document Phase.**
- Complete drawings sufficient for permitting, bidding, and building, also includes complete specifications with the final cost estimate.

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Each Phase above will have appropriate documentation of Design meetings and will distribute notes to all stakeholders of the project as established at the Kick-off meeting. Each item recorded in the meeting notes shall have a notation determining which party has responsibility for completing the item that has been listed.

BIDDING PHASE

- Attend the Pre-Bid Meeting
- Answer all technical questions
- Provide any addenda as necessary
- Interface with State agencies that are responsible for the bidding process
- Analyze the bids, make a letter of recommendation to the owner's representatives
- Create the Contract between the Owner and successful bidder for approval of the Purchasing Department of the appropriate State Agency.

CONSTRUCTION PHASE

- Provide Construction Contract Administration:
- Conduct appropriate number of Construction Progress Meetings
- Document those meetings and distribute to all stake holders and attendees, Items that are enumerated in the notes shall also identify who amongst all the parties bears responsibility for completion of the items.
- Review all shop drawing submittals.
- Issue approval on pay applications as submitted by the Contractor.
- Keep all documentation of COR's and CO's.
- Provide an 11 month follow up to project, 1 month before warranty period ends.

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Project Method and Approach

Complete Assessment Process *approach to every project is our method.*

- **Identification, Discovery and Site Review**

  Review of the owner's goals, review of available plans, and interviews with the maintenance staff along with a system usage observation via a site review – are the elements we use to put together the data to create a solution for the owner. Consideration for short and long term maintenance requirements are taken into consideration along with the owner's budget and goals. Construction time line information will be given as a factor.

  After all the information is gathered, each specialist on the team begins to study and review the information in order to make professional recommendations for the project's goals.

  - *The current project appears to be relatively straightforward. Our team will consult with the owner and architect to seek available relocation options for the laundry facilities. A plan will be created and communicated to the owner for any operations interference.*

    Note: Critical Factors will be weighed in terms of cost and site location. This will require a cost matrix to be devised with the Architect and Civil Engineer in order to make a specific recommendation.

- **Solutions Design and Planning**

  Once all involved stakeholders are in agreement with the plan. Designs will be created. Solutions will be created by Park operational impact, cost, construction, and time. We will be in regular contact both in person and via phone/e-mail with all stakeholders. We will assist the Architectural team in planning for operations impact, given our understanding of the park.

  Project Management

  The project will be managed in a timeline that works at meeting the owner's goal, budget, and working with existing weather conditions and park operations.

- **Quality Assurance**

  The key to meeting client's goals is communication and documentation during the construction administration process. Our change order status is under the industry average *and clients have praised Miller Engineering for our ability to respond.* ***Miller Engineering will be providing MEP construction administration for the project and communicating with the owner on all milestones.***

- **Project Close-out**

  Miller Engineering will provide final verification of all constructed work and completion of MEP systems work. Project close-out will consist of maintenance staff training, engineer witnessed TAB, approval of record drawing and reviews/approval of the owner/operator manuals. The project manager will be available during the warranty period for any needed resolutions. After the warranty has expired, Miller Engineering will continue to be a technical resource for owners.

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ARCHITECTS ENGINEERS

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Management/ Communication

Alpha
ARCHITECTS ENGINEERS

PROJECT MANAGEMENT

Alpha Associates, Incorporated is an Architectural and Engineering firm that provides services in the areas of Architectural Design, Civil Engineering, Structural Engineering, Interior Design, Surveying, Construction Administration, and Project Management. Our work is diverse and includes clients in medical, commercial and residential, educational and governmental facilities, developers and private organizations. Alpha's architects and civil and structural engineers have recent, relevant project experience that enables projects to be completed on time and within budget.

Alpha is a principal driven company with a staff that is large enough to handle any size project, yet small enough to provide the personal detail and supervision to successfully complete your project. We are available to you long after the completion of your project. Our staff is committed to working with an established project time frame and budget.

Alpha works under a project management system wherein each project is assigned a project manager and a principal of the firm. Internal monthly project management meetings serve as a tool to discuss the preceding weeks' activities, planned activities, project budgets, and estimated time schedules and personnel utilization. Adherence to this process helps to insure that a client's concerns are addressed in a timely fashion aiding in the delivery of a successful project.

Prior to releasing projects for bidding and construction, each project receives a Principal's review. The Principal-in-Charge of the project and the Project Manager conduct the review, which involves a complete evaluation of all internally produced and consultant produced construction documents. Alpha's construction administration staff performs a second assessment to examine constructability and coordination issues from the perspective of the construction field staff. Alpha will also use a "redi-check" system to ensure quality control on the project is maintained.

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In addition to project management meetings, design principals meet every four weeks to review all project schedules and all personnel utilization. Alpha's project managers and staff work daily with simultaneous projects and understand the importance of time management and prioritization. The Project Managers work together to organize and allocate each staff member's resources. Alpha understands that each specific project is the top priority to that individual client.

That is why Alpha is committed to your project and assures that all necessary means are taken to ensure that your project is completed on time. This results in the overall best use of personnel in order to complete all projects on time.

Your project benefits from the unique combination of convenient access, extensive experience, key owner/principal commitment, and a competitive price structure. Select Alpha Associates, Incorporated for a well coordinated, timely and high quality project.

think Alpha first.com

Alpha
ARCHITECTS ENGINEERS

COMMUNICATION

Alpha Associates, Incorporated understands the importance of communication between Owner, Architect/Engineer, Consultant and Contractor. That is why Alpha utilizes a variety of tools to communicate with our clients and contractors.

One tool that Alpha frequently uses is our FTP site, which allows our staff to transfer files between Alpha, clients, and contractors. The FTP site allows clients and contractors to easily download and upload project materials.

In addition to this method of communication, each of Alpha's staff has e-mail capabilities as well as all Project Principal's and Project Managers are equipped with cell phones for our client's convenience. This helps us to be available whenever and wherever we are needed.

We also understand the benefit of face to face communication and our Project Principals and Project Managers are always available to meet with you in person at your convenience.

Communication plays an integral role in the overall success of a project. Alpha's staff is easily accessible to our client's and contractors from project inception through completion. We are also available to you long after the completion of your project.

MILLER
ENGINEERING, INC.

Communication

Miller Engineering utilizes a communications process and procedure designed to minimize downtime while ensuring neither the Owner, nor design team, or contractor is left out of the loop.

Milestones of the project will be outlined and upon notification of an award of a project, Craig Miller, lead engineer determines the "best fit" for the project and communicates this with the owner. The chart below shows an example of the main point of contact with a back-up contingency so that the owner can have assurance of consistent communication.

Owner Communication Plan:

Milestone	Main	Back-up	Copied On
Design	Craig Miller	Travis Taylor	Joe Machnick & Kelly Brett
Estimating	Craig Miller	Rob Angus	Travis Taylor
Bidding	Craig Miller	Travis Taylor	Rob Angus
Construction	Rob Angus	Travis Taylor	Craig Miller
Warranty	Rob Angus & Craig Miller	Travis Taylor	Joe Machnick

Vendor and Code Officials Communication Plan:

Milestone	Main	Back-up	Copied On
Estimating	**Rob Angus & Travis Taylor**	Craig Miller	Travis Taylor & Rob Angus
Bidding	**Craig Miller**	Rob Angus	Joe Machnick & Kelly Brett
Construction	**Rob Angus, Jack Jaminson**	Travis Taylor	Craig Miller

Cost Control

As with any renovation, accurate detailing of existing conditions is essential to ensure a complete project delivered within budget. Coordination during the design/ construction phase will help to *control cost*. This helps alleviate confusion within the design documents, which can often be the basis of change orders.

Elements for Cost Control -

- Perform initial budgetary estimate. Review estimate with owner to determine possible changes in scope or design.
- Communicate any possible cost implications of design changes with all involved.
- Perform estimating at each design phase and update as necessary throughout.
- Create a matrix for this project to help the owner weigh budget concerns of where and how to house the laundry facilities. The matrix will involve all aspects of civil, architecture, and MEP to determine best course of action.

Alpha
ARCHITECTS ENGINEERS

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Cost/Budget History

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CONTROL COST AND BUDGET

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many architectural firms can claim the same successes, but the determining factor is the tools the firms utilize to achieve the budgets, both in regard to funds and time. Alpha utilizes a number of tools, both traditional and modern to exceed our clients' expectations.

A project schedule is a dynamic, ever changing entity. Your project schedule depends on many factors including:

- Preferred construction method
- Changes to project scope
- Unique construction elements

The Alpha Team has an excellent track record of meeting project design deadlines. Alpha recently completed construction on a project in Morgantown that went from design to completion in just over 12 months. This project was completed for a private developer and had a construction cost in excess of $20 million.

Another recent project success was a multi-million construction project for West Virginia University. This project, an addition to the Agricultural Sciences Building, also had an accelerated project schedule and was completed on time and within the budget.

Successful project management depends upon consensus regarding work efforts, milestones and goals. The team has found that the development of detailed work plans, which delineate tasks and deliverables for each project phase, in concert with the client and full project team, is the most effective means of establishing expectations about efforts required by the respective disciplines. In addition to guiding the efforts of the design team, the work plan sets forth specific time frames and decision points for Owner and user reviews, comments and approvals.

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of

work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects. Characteristic of the client, its organization, or the involvement of a construction manager and his responsibility for document review must also be considered.

This starts with a kick-off meeting which establishes ground rules, responsibilities, and line of communication. We have found that a team visioning session is a great way to get everyone started off on the right track.

Determining a project schedule is a task that must be done with all parties involved in the process. Once the design process begins, a very detailed, realistic project schedule can be developed and communicated to all involved.

In a world where "time is money", the schedule of a project is almost as important as controlling the cost. Alpha also works diligently to control the budget of a project. The best way to control the cost of a project is to avoid the "scope creep" that can occur.

Alpha's in house cost estimators, combined with an excellent relationship with contractors throughout the area, will provide the WVDNR with the most accurate estimates of probable construction cost.

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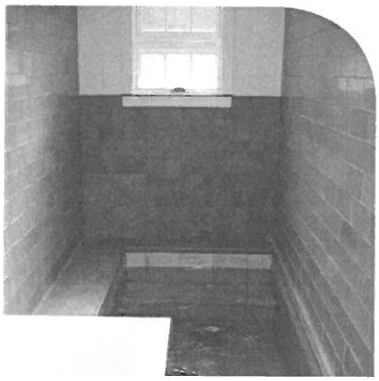

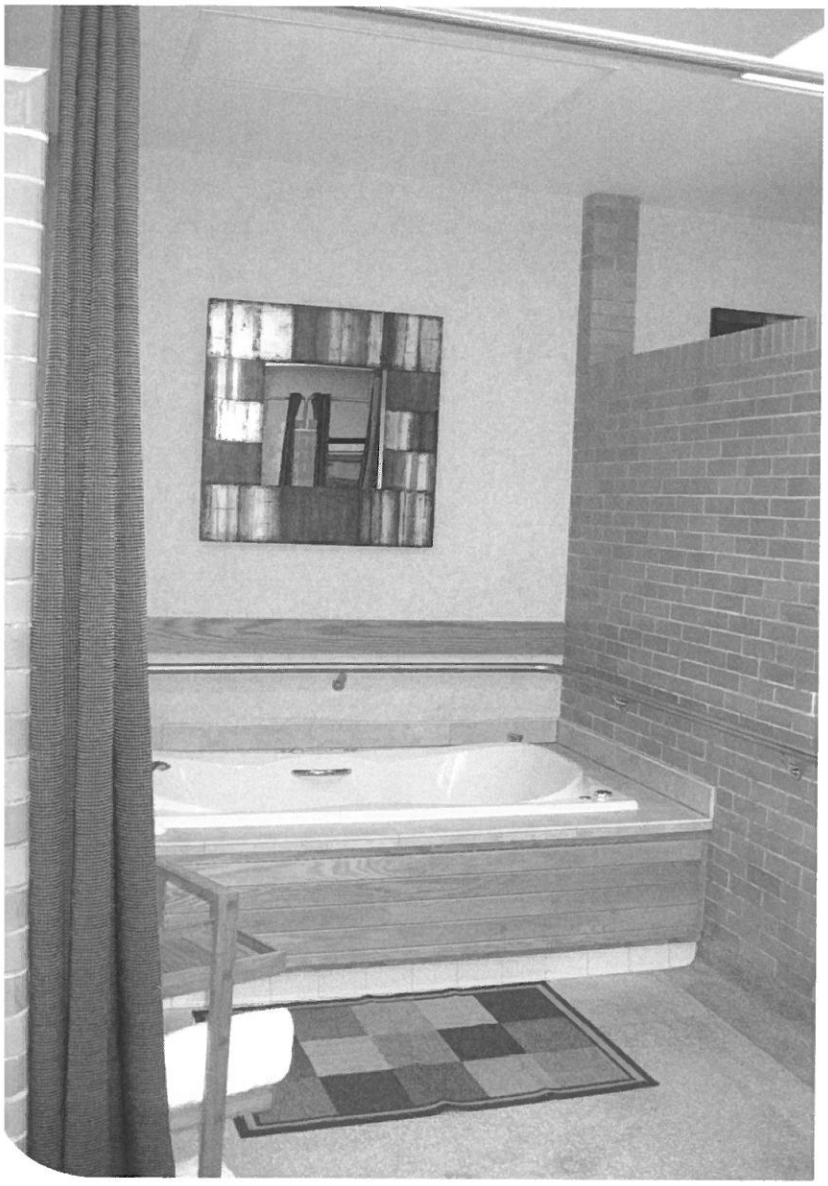

ALPHA EXPERIENCE

Berkeley Springs Bath House | 2010

Historical Case Study

Berkeley Springs Bath House
Berkeley Springs, WV

Alpha designed the renovation of this historic landmark originally built in 1929 with a 1949 addition. The Bath House in Berkeley Springs State Park is open to the public and is operated year round by the Park Service.

The renovation included restoration of the historic masonry exterior. New hot water storage tanks and boilers are a major component of the design, as well as, central air-conditioning, which the Bath House never had before.

The interior design added amenities such as whirlpool baths. The Bath House upgraded to reflect a more "spa-like" ambiance. The existing Roman Baths have new liners and saunas were added for the benefit of the Bath House Patrons.

roject Contact:
rad Leslie
24 4th Street
outh Charleston, WV 25303
04-558-2764

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At a Glance

CLIENT:	WV DNR
LOCATION:	Berkeley Springs, WV
COMPLETION DATE:	2010
SIZE:	7,127 Sq. Ft.
CONSTRUCTION COST:	$2.2 Million

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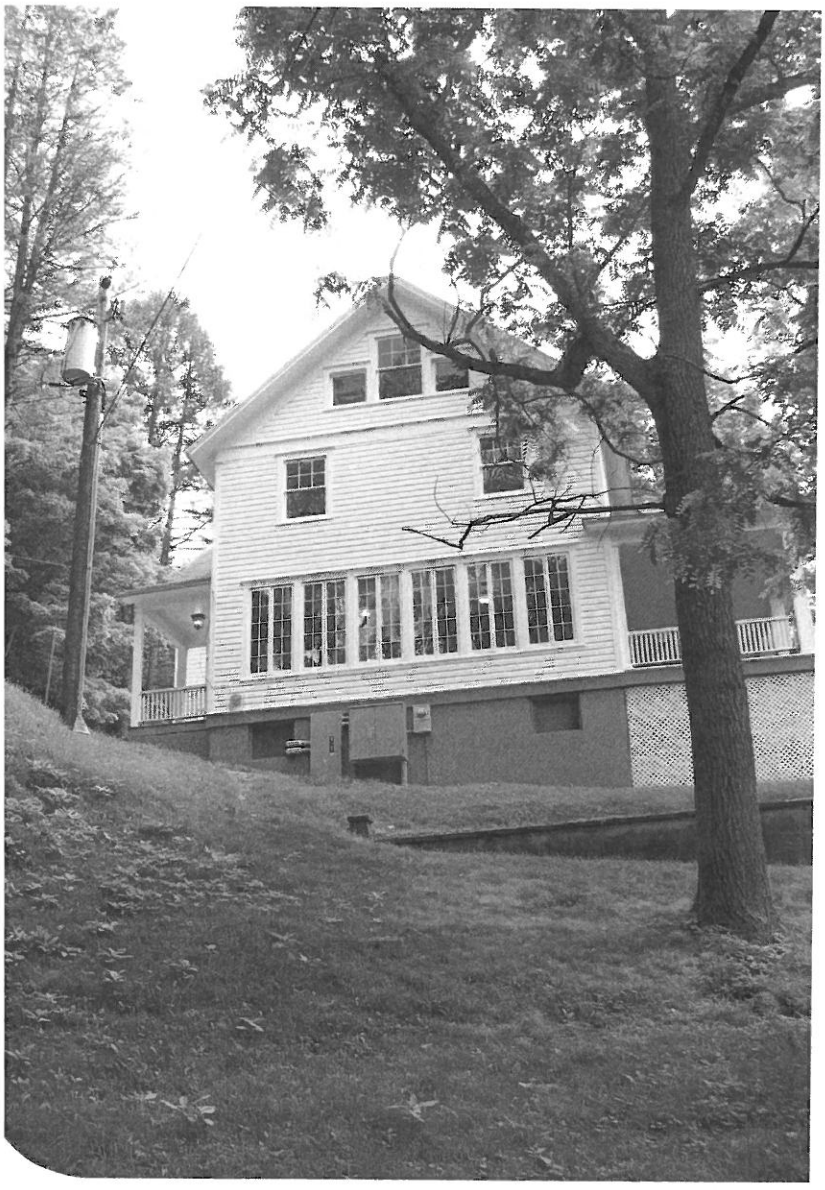

ALPHA EXPERIENCE

Cass Scenic Railroad | 2009

Historical Case Study

Cass Scenic Railroad - Clubhouse Renovation
Cass, WV

Alpha performed an evaluation of the building condition, structural foundation, and MEP systems for the Clubhouse to document the historic structure and utilize the information to determine what the best use of the building would be. Alpha then designed the renovation of this historic landmark originally built in 1916.

Renovation of the Cass Clubhouse was first developed as a lodge concept. When that was deemed too costly, the renovation/restoration design was confined to the exterior of the building shell and first floor. This stabilized the building and fixed major problems while allowing the first floor to be operated as a museum.

roject Contact:
rad Leslie
24 4th Street
outh Charleston, WV 25303
04-558-2764

At a Glance

CLIENT:	WV DNR
LOCATION:	Cass, WV
COMPLETION DATE:	2009
SIZE:	5,163 Sq. Ft.
CONSTRUCTION COST:	$505,000
	Fee: $75,617

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ALPHA EXPERIENCE

North Fork Hughes River | 2009

Recreation Case Study

North Fork Hughes River Recreational Design

Ritchie County, WV

Alpha Associates, Incorporated provided architectural, engineering and landscape design for the implementation of a $12 million Master Plan for the USDA. The project included:

- Restrooms and Bath Houses
- Amphitheater
- Trails
- Parking Areas
- Check in Building
- Water Transmission and Distribution
- Navigational Aids
- Camping Areas
- Picnic Areas
- Sports Fields
- Roadways
- Maintenance Building
- Sewage Collection and Treatment

Project Contact:
Sam Ware
91 Boyles Lane
Parkersburg, WV 26104
304-422-9072

think Alpha first.com

At a Glance

CLIENT:	USDA
LOCATION:	Ritchie County, WV
COMPLETION DATE:	2009
SIZE:	Over 100 Acres
CONSTRUCTION COST:	$12 Million

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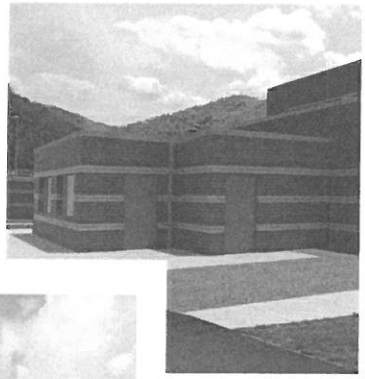

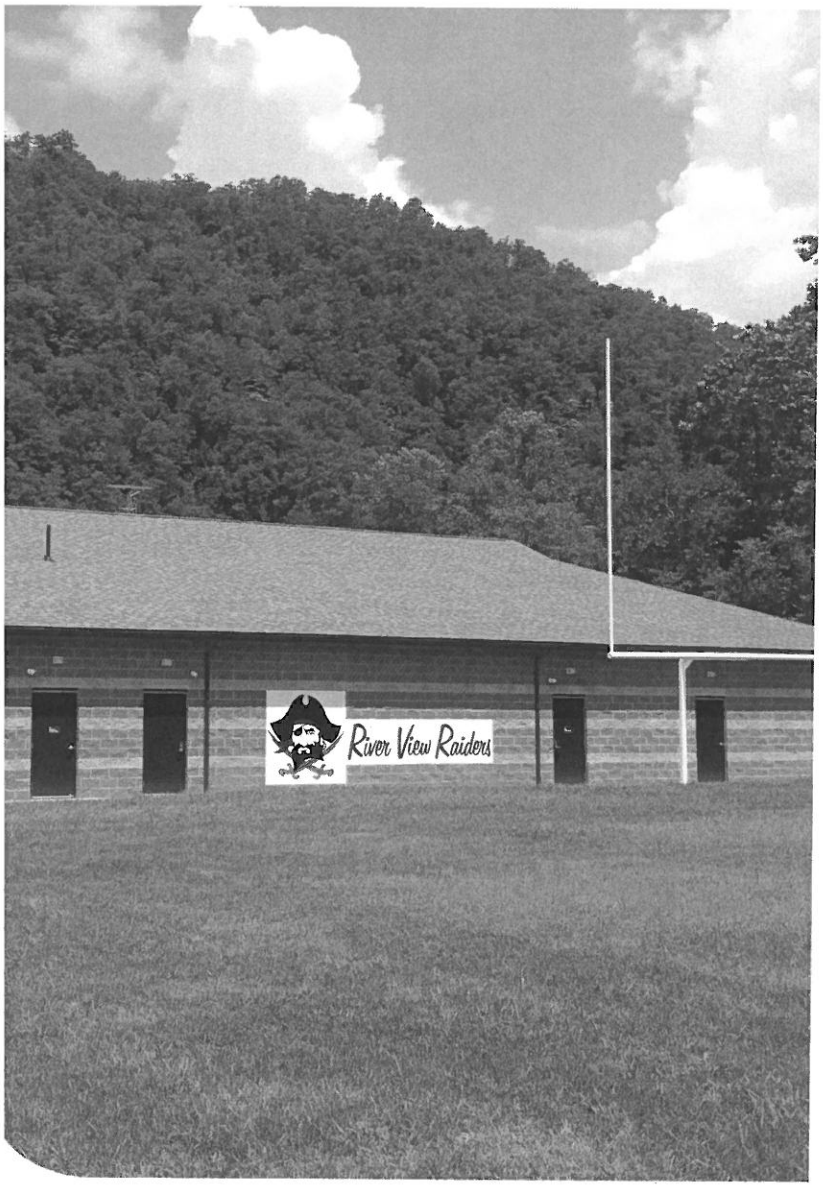

ALPHA EXPERIENCE

Riverview High School | 2012

Recreation Case Study

Riverview High School Athletic Complex
Design-Build Project
Welch, WV

Alpha Associates, Incorporated provided architectural and engineering design services for a new athletic complex at Riverview High School. Alpha was contracted to provide the work by the Design-Build Contractor, Lombardi Development.

The design consisted of a 5,500 SF Field House that included two locker rooms that accommodate at least 50 players each, restroom facilities, coaches office, training room, storage facilities, weight room, and mechanical room.

The design also consisted of a 775 SF Concession/Restroom Building and two 8'x8' Ticket Booths.

Project Contact:
Paul Lombardi
820 Donegal Drive East
Follansbee, WV 26037
304-748-5920

think Alpha first.com

At a Glance

CLIENT:	Lombardi Development
LOCATION:	Welch, WV
COMPLETION DATE:	2012
SIZE:	Multiple Spaces
CONSTRUCTION COST:	$1.2 Million

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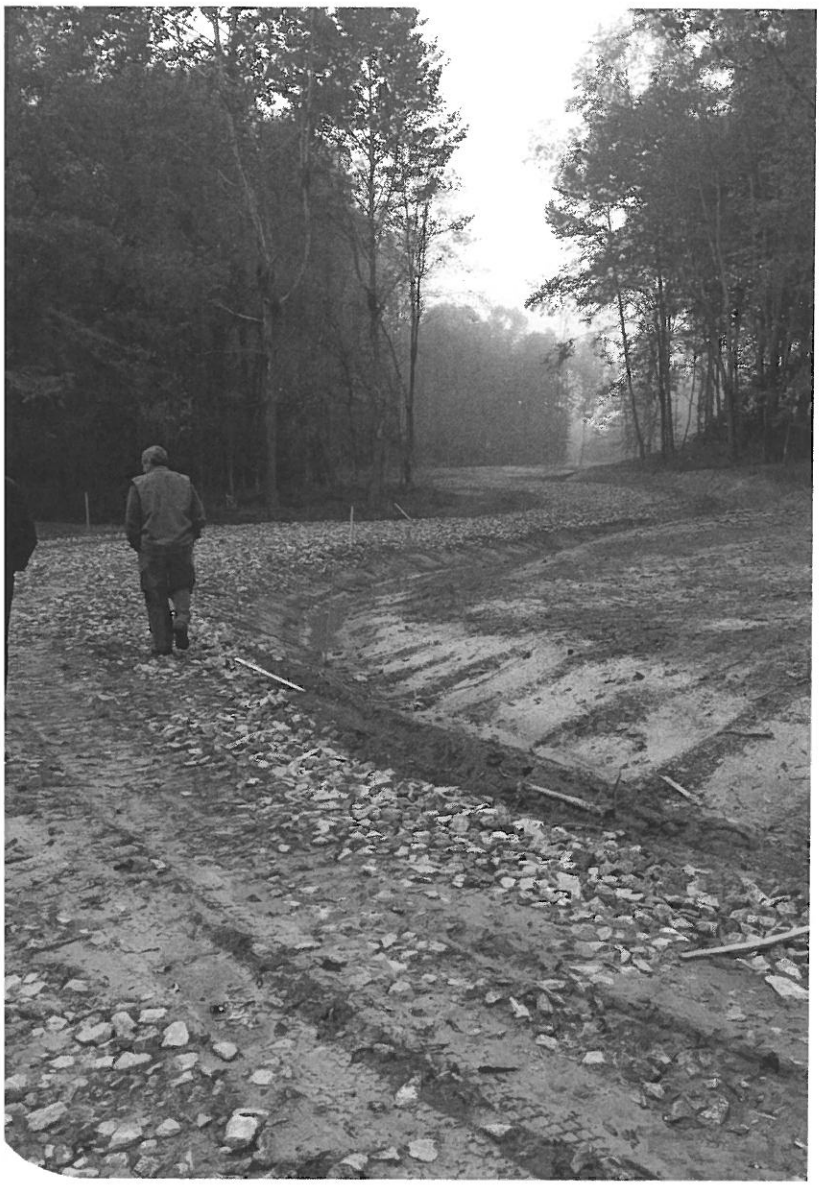

ALPHA EXPERIENCE

Stonewall Jackson Resort | On-Going

Engineering Case Study

Stonewall Jackson Resort
Roanoke, WV

Alpha Associates, Incorporated is currently working on the completion of a variety of projects for Stonewall Jackson Resort in Roanoke, WV. During the summer of 2013, Alpha completed the design of infrastructure for 25 cottages at the Resort. Work for the infrastructure included all earthwork, roadways, and utilities. The grading and roads were completed during the fall of 2012 by the Army National Guard as well as some other miscellaneous off-site grading activities that the Resort requested Alpha's services in completing with the National Guard.

Currently, Alpha is working on an evaluation and report for the existing water and waste water treatment systems at the Resort. The Resort is working with the Army National Guard to petition more funding to additional grading projects throughout the Resort.

Project Contact:
Steve Jordan
WV Commercial
305 Washington Street, West
Charleston, WV 25302
304-347-7500

think Alpha first.com

At a Glance

CLIENT:	Stonewall Jackson Resort
LOCATION:	Roanoke, WV
COMPLETION DATE:	On-Going
SIZE:	Multiple Projects
CONSTRUCTION COST:	Completed by WVANG

Alpha
ARCHITECTS ENGINEERS

SANITARY SEWER EXPERIENCE

St. Joseph School Evaluation of City Storm Water – This project included the televising, location and evaluation of the city storm sewer on the proposed new addition to the St. Joseph Catholic Church. The sewer was located from Queen Street to Water Street. This is the same sewer that is to be evaluated in this project.

Harpers Ferry-Bolivar Wastewater Treatment Plant – Alpha provided planning and design of improvements to the wastewater treatment plant. The first step was preparation of a facilities plan. Improvements to the wastewater treatment plant include the furnishing and installation of a sludge dewatering system including a belt filter press package with specified controls, pumps, chemical feed equipment, piping and all civil, structural, mechanical, electrical and control work necessary for the complete installation and startup of the system.

City of Shepherdstown – Recently completed was the replacement of the pumps, motors, electrical controls and key valves in the main sewage pump station which handles 100% of the city's flow. This difficult project was accomplished while maintaining continual pumping of the sewage. The construction cost for this project was $118,500.

City of Shepherdstown - This project involved the construction of a new interceptor sewer, the majority of which runs through the campus of Shepherd College. The project was divided into several contracts, with Contracts 1, 2 & 3 all completed. Contract 3, the last section, passed under the football field and new stadium and was particularly difficult to design. Construction had to be completed between spring practice and the beginning of the fall season. Contract 2 was also difficult work and required the pumping of the entire flow in the existing interceptor around the job site while the new line was built.

Eastern Management Development Center - Preparation of Conditional Use Permit for the Jefferson County Planning Commission. Planning, design and preparation of Construction Documents for the Access Roads, Off-Site Water Line, Sanitary Sewer Line and for storm sewers and storm water management. Provided inspection and test monitoring for all water and sewer line construction. Alpha also provided surveying and mapping for the above described work.

Warm Springs Public Service District, Replacement of the Williams Street and Rt. 522 Sanitary Sewer - This sewer replacement took place under the heavy traffic of Rt. 522, and incorporated a unique solution to a very difficult sewer replacement project. Services included televising the line to assess the existing condition during the Study and Report Phase.

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Warm Springs Public Service District, Rt. 522 South Sewer Extension - This extension involved the construction of approximately three miles of sanitary sewer paralleling Rt. 522 south from Berkeley Springs. Numerous road borings allowed the sewer system to serve all of the existing homes and businesses in this area.

Burroughs Run Interceptor Sewer System - Sanitary interceptor to upgrade existing sanitary facilities for the City of Morgantown.

Monongalia County Sewer System - Feasibility study and report on proposed countywide sewerage for assessment of funding needs from local and federal sources.

New Hill Sewage Collection and Treatment System - This 20,000 gallon/day sewage treatment system was constructed in an existing residential community with small lots and constricted streets. The project required close coordination with the Public Service District and the residents of the community.

Greentree Village - Greentree Village is Phase I of a 43-acre manufactured home community. Tertiary sewage treatment facility is provided through a recirculating sand filtration system. The collection system is a small diameter variable grade system.

Lewis County High School - Alpha provided site planning and engineering services for this 165,000 square foot facility. Design included access roads, sewage, water, sewage treatment plant and utilities.

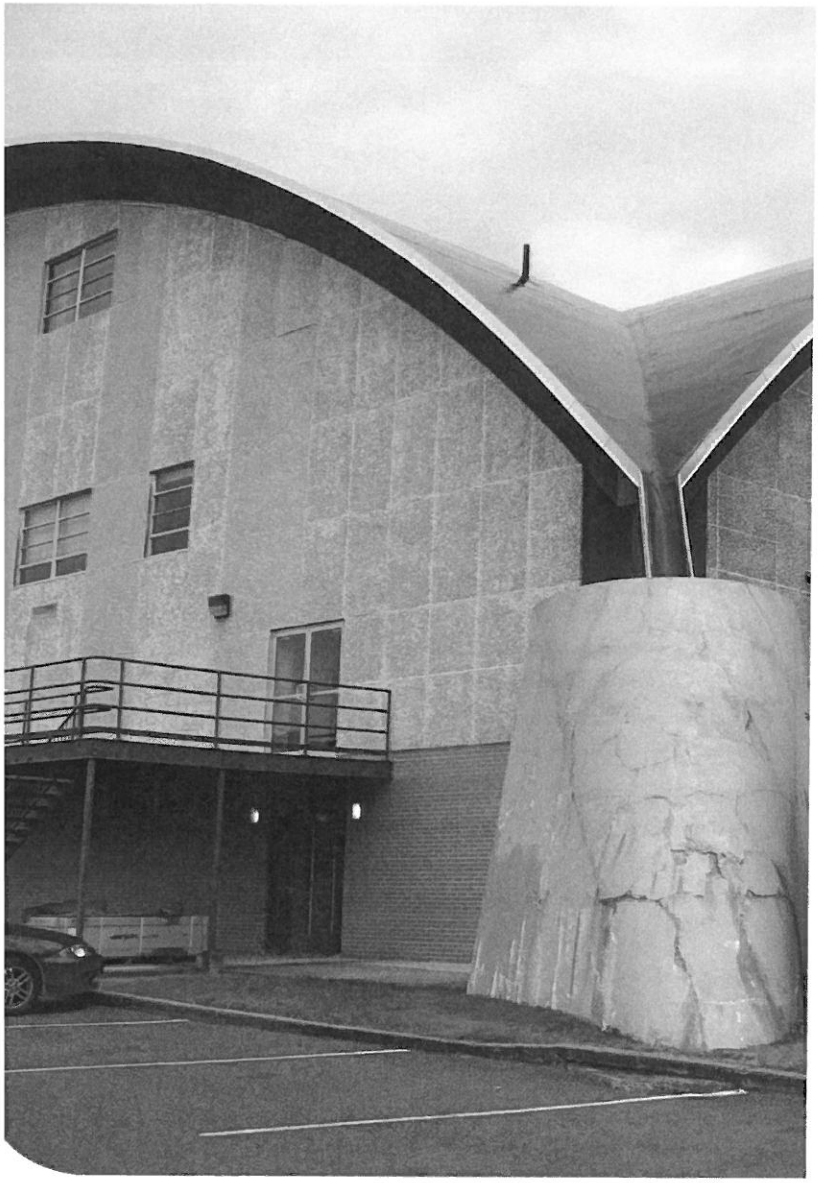
Broken Wheel Campground - The Broken Wheel Campground is a 30-lot travel trailer campground near the Stonewall Jackson's Dam. Alpha provided sewage treatment plant design for a 3,000 gallon per day tertiary treatment plan and small diameter collection system from the bathhouse and general store.

Wyoming County High School - Alpha provided site planning for this 750 student, 9-12 grade facility. Parking lot design and utility design which included water line and sewage line extensions. Alpha also provided storm sewage design and site grading for this project.

I-79 Burnsville & Servia Rest Area Sewage Treatment Plants – Alpha designed the sewage treatment plants serving the rest areas on I-79 in West Virginia. The Burnsville plant treats over 39,500 gallons per day, while the Servia plant treats over 36,000 gallons per day.

Monongalia County Sewage Treatment Plan Upgrades – Alpha providing planning and design services for renovating, replacing and expanding six separate treat plants for the Monongalia County Board of Education. The plants were designed to correct and meet discharge limitation.

Alpha
ARCHITECTS ENGINEERS



ALPHA EXPERIENCE

AB Building Evaluations | 2007-2010

Educational Case Study

Alderson Broaddus College - Building Evaluations

Philippi, WV

Alpha Associates, Inc. provided multiple structural evaluations for buildings on the Alderson Broaddus Campus. These buildings include: Heiner Dining Hall, Kemper-Redd Science Center, Withers-Brandon Hall, Burbick Hall, and Rex Pyles Arena.

Alpha provided limited structural evaluations for the above buildings. The evaluations consisted of the problematic areas as indicated by the owner. Once the evaluations were complete the Owner was given a report detailing our observations, our conclusions and our recommendations for repairs for each of the buildings listed above. Estimates of probable construction costs were included.

'oject Contact:
had Plymale
O. Box 2066
ıilippi, WV 26416
)4-457-6334

think Alpha first.com

At a Glance

CLIENT:	Alderson Broaddus College
LOCATION:	Philippi, WV
COMPLETION DATE:	2007-2010
SIZE:	Multiple Buildings
CONSTRUCTION COST:	N/A

MILLER
ENGINEERING, INC.

Experience – Continuous Operations

Dominion Post

Engineering Design

- **Mechanical, Electrical, Plumbing**
- **HVAC with Multi-zone Tie-in**

Total Project Budget: $ 1.8M
Location: Morgantown, WV
Facility Area: 18, 000 ft²

Project Goals:

The Greer building is home to the *Dominion Post* newspaper, several local radio stations, and office space for these media entities.

The goal entailed installing evaluating the buildings HVAC and Electrical systems. After review, the electrical system needed to be addressed and fault indication provided for the switchgear.

Consistent and thorough communication with the owner's representative ensured operational disruption did not occur. The upgrades were phased meticulously as the operation of the newspaper and radio is critical. The staff has commented on the improved, consistent temperature and air quality.

Project Outcome Highlights:

- **As space was an issue: Integrated Facility Systems (IFS) were used.**
- **IFS's contain both panels and a transformer in one configuration to house power for both the 480V and 208V branch power in one small footprint**
- **The mechanical upgrades consisted of new HVAC piping in addition to replacements of air handling units, chillers, cooling tower, pumps, and controls.**
- **The mechanical upgrades consisted of new HVAC piping in addition to replacements of air handling units, chillers, cooling tower, pumps, and controls.**

The project was completed on-time and within budget. The staff has "felt" the difference within the building and all, including the owner are satisfied with the project's outcome.

Project Reference: Chris Halterman
Director of Operations
1201 Hal Greer Blvd., Morgantown, WV 26508
Phone: (304) 376-2642

MILLER
ENGINEERING, INC.

Experience – HVAC and Electric

Hawk's Nest Lodge

Engineering Design

- **Mechanical**
- **Electrical**
- **Plumbing**
- **HVAC**

Total Project Budget: $ 1.3M
Location: Ansted, West Virginia
Facility Area: 28, 500 ft^2

Project Goals:

Hawks Nest HVAC replacement focused on the patron rooms within the lodge but the designs for the public areas were also included to prepare for future funding.

A building on the National Register of Historic Places, the replacement had to be accomplished with minimal impact on the building façade and structure. As an ARRA/WVDOE funded project, it had an extremely short design period and delivery requirement.

Project Outcome Highlights:

- **One of the first projects in the state to utilize Variable Refrigerant Flow (VRF) systems for heating and cooling as a solution for switching between warming and cooling.**

- **The lodge can now provide both heating and cooling, as both the lodges see the heaviest guest loads during the fall shoulder months in which 30 degree outside temperature swings occur.**

The project was completed on-time and within budget. The construction period was shortened by (20%) by the owner after bidding, making our construction administration all the more critical in delivering the project.

Project Reference: Brad Leslie, PE
Assistant Chief State Parks Section
324 Fourth Ave., S. Charleston, WV 25303
Phone: (304) 558-2764 - Ext. 51826

MILLER
ENGINEERING, INC.

Experience - MEP Construction Administration

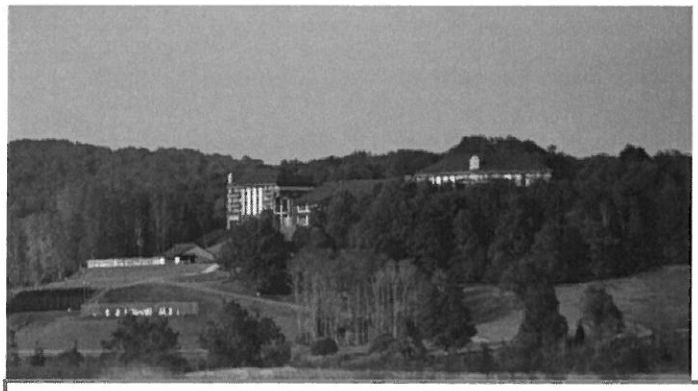
Canaan Valley Resort

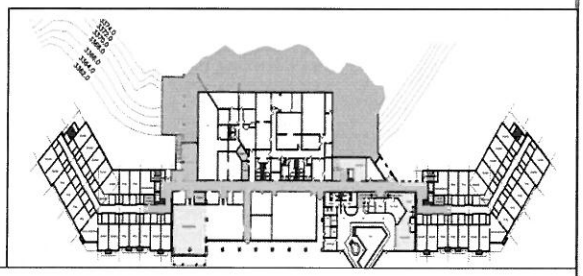
Construction Administration (CA) for New Construction for North/South Wings

- **MEP**
- **HVAC**
- **Hydronic Pipe**

Total Project Budget: $ 30M

Location: Davis, West Virginia





Project Goals:

Part of keeping a large project on schedule is the ability of MEI's staff to provide rapid and complete response to any contractor questions. MEI was brought in by the owner to provide MEP construction administration to provide quality assurance and 3rd party MEP design review.

MEI's staff was very involved in keeping the project on schedule and in accordance with the construction documents. Detailed construction observation helps identify to minimize downtime and change orders.

Project Outcome Highlights:

- **Technical support for problem resolution throughout project.**
- **Warranty and issue support**
- **Quality of work evaluation during construction.**

Providing owner representation to ensure MEP quality assurance and designed construction. The project is currently in close-out.

Project Reference: Brad Leslie, PE
Assistant Chief State Parks Section
324 Fourth Ave., S. Charleston, WV 25303
Phone: (304) 558-2764, Ext. 51826

MILLER ENGINEERING, INC.

Experience – Facility and Location

Pipestem State Park

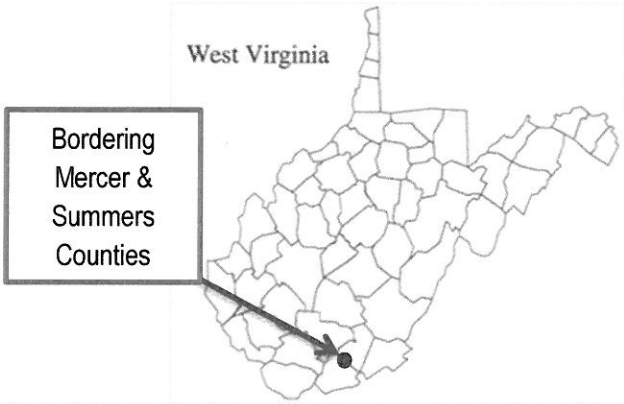
Engineering Design for Multiple Projects

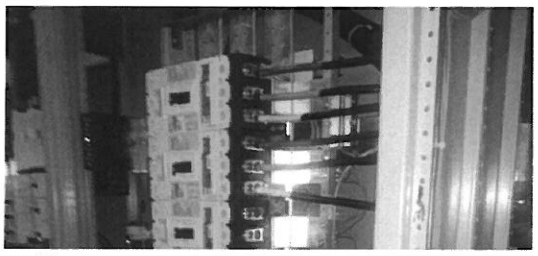
- **MEP**
- **Designed Replacement**
- **Piping**
- **HVAC**

HVAC Project Budget:

Switchgear Project Budget: $ 180K

Location: Pipestem, WV





Project Goals:

Create solutions for restoring electrical service to the lodge while identifying causes and remedy of the system's failure.

Additionally, identify and develop a solution for WV code compliant, reliable, electric service.

Coordinate and communicate with owner to make necessary replacements and upgrades to systems while minimizing operational interference, guest inconvenience, and improve safety for maintenance workers.

Project Outcome Highlights:

- **Emergency electrical solutions to maintain operations while long term issues were addressed.**
- **HVAC piping replacement to incorporate a common piping loop allowing the lodges' two separate boiler/chiller plants to operate together.**
- **Improving reliability and back-up for systems.**
- **Supporting WVDNR efforts for safety and State Fire code compliance.**

Quick responses to the initial issue, identifiable solutions, and phased solutions have met the goals of the owner. Currently the fire alarm system project is in bidding.

Project Reference: Brad Leslie, PE
Assistant Chief State Parks Section
324 Fourth Ave., S. Charleston, WV 25303
Phone: (304) 558-2764, Ext. 51826

Alpha
ARCHITECTS ENGINEERS

Project Staffing

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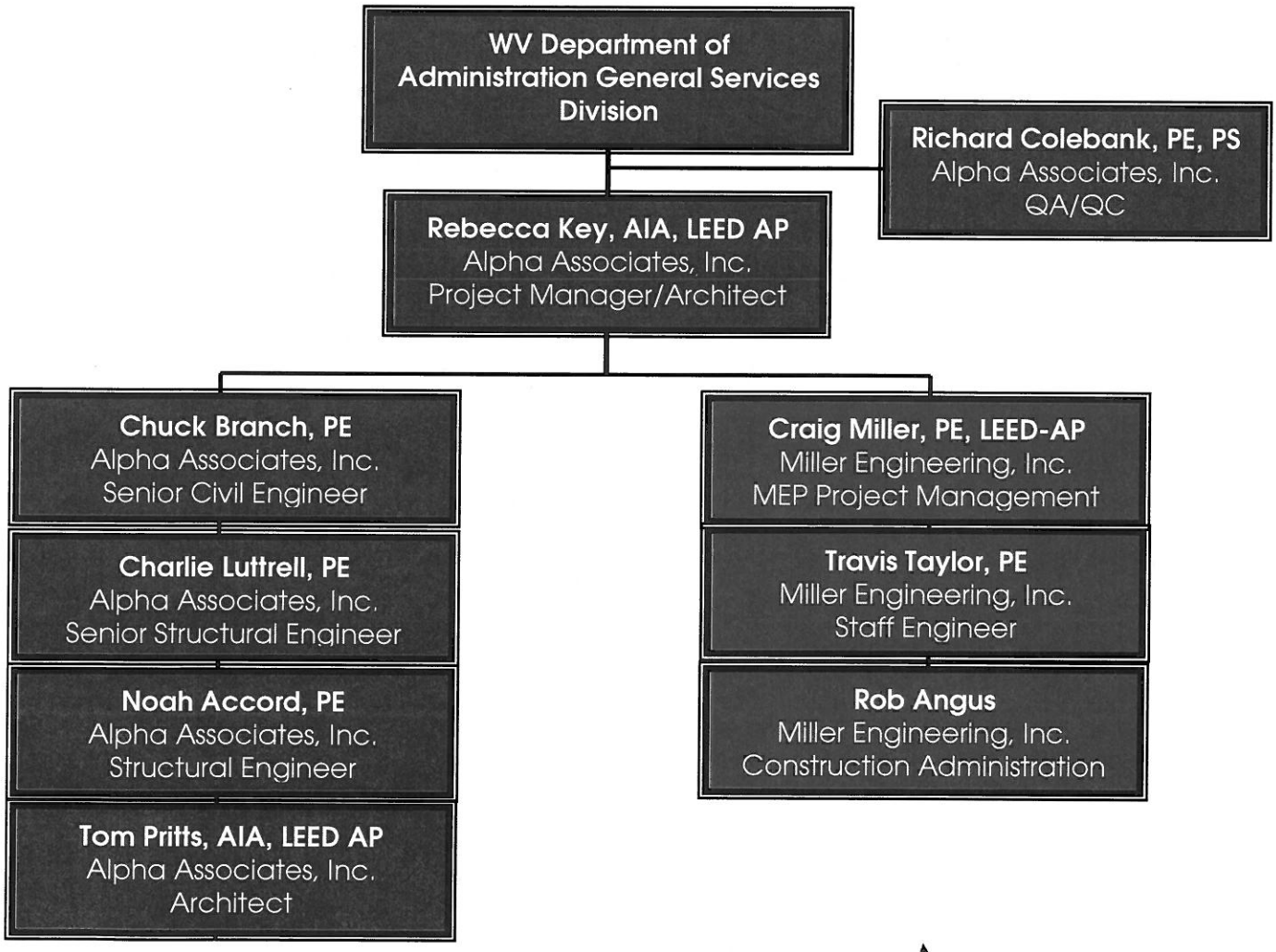
Alpha
ARCHITECTS ENGINEERS

PROJECT ORGANIZATION/MANAGEMENT

lpha Associates, Incorporated is owned and operated by a group of "hands on anagers" that have a vested interest in the success of each project. Each project has at ast one dedicated Owner/Principal of the firm who is involved in every decision and esign aspect. Alpha carefully assigns staff members who have the expertise and project xperience needed to successfully initiate and complete the design of each project.

e work for this project will be managed and directed from our Morgantown, West Virginia fice. The Alpha team will be led by **Richard Colebank, PE, PS** as Principal In Charge and **ebecca Key, AIA, LEED AP** as Project Manager. The following is the organizational chart for ur project. Resumes for these staff members are included within this Statement of ualifications.



Alpha
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Throughout the design process, Alpha will involve all members of the design team to produce an efficient, effective flow of work. Communication with the Agency, the team and interested parties is critical to the success of the project and Alpha prides itself on an effective flow of communication throughout each phase of the process.

Additional architects, engineers, surveyors, technicians, and administrative personnel are also available for assistance on this project.

Alpha
ARCHITECTS ENGINEERS

ALPHA RESUMES

Richard A. Colebank, PE, PS | President and COO

SUMMARY

Mr. Colebank is President and Chief Operating Officer of Alpha. He has been with Alpha Associates, Incorporated since 1985. He began his career with Alpha as a staff engineer and progressed through the ranks from Project Manager to his current position. Mr. Colebank has worked with diverse clients such as WVU, City of Morgantown, WVDOH, WVU Foundation, and the Morgantown Municipal Airport, as well as numerous other public and private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of many of the Civil Engineering projects developed at Alpha. In his current capacity, Mr. Colebank provides financial and administrative guidance for the day to day operations of the company while continuing to manage Civil Engineering Projects.

PROFILE

Broad-based responsibilities in the following areas:

- Project Management
- Business Operations and Financial Management
- Quality Assurance/Quality Control
- Civil Engineering Project Management and Design
- New Business Development
- Expert Testimony and Investigation

PROFESSIONAL HIGHLIGHTS

Project Manager:

- WVU Research Park; Morgantown, WV
- Federal Bureau of Prisons Hazelton Medium Security Prison
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- North Fork Hughes River Recreation Facilities; Ritchie County, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- Ices Ferry Bridge; Morgantown, WV
- Monongalia General Hospital Expansion; Morgantown, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV

Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract
- West Virginia Division of Highways Open End Contract
- National Energy Technology Laboratories Open End Contract
- West Virginia University Open End Contract
- United States Postal Service Open End Contract

Alpha
ARCHITECTS ENGINEERS

ALPHA RESUMES

Richard A. Colebank, PE, PS | President and COO

EMPLOYMENT HISTORY

1985 – Current	Alpha Associates, Incorporated
1983-1985	Charles Townes and Associates, P.C.
1983	US Army Corps of Engineers

EDUCATION

West Virginia University
Masters of Business Administration; 1999
Bachelor - Civil Engineering; 1982

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia

Professional Surveyor: West Virginia
Certified Private Pilot

AFFILIATIONS

- Former NSPE/PEPP Governor of WV
- ACEC/WV; Former President and National Director
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- Monongalia County MPO Technical Advisory Committee; Member
- Morgantown Area Economic Partnership; Member
- American Red Cross, River Valley Chapter B.O.D.
- WVU College of Civil and Environmental Engineering Visiting Committee

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Contact
Richard A. Colebank
304.296.8216
800.640.8216
rick.colebank@thinkalphafirst.com

Alpha
ARCHITECTS ENGINEERS

ALPHA RESUMES

Rebecca Key, AIA, LEED-AP | Architect, Associate

SUMMARY

Ms. Key has worked in the architectural field for over 35 years. She is Project Architect/Project Manager for numerous architectural designs at Alpha Associates, Incorporated. Ms. Key is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration.

PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Interior Design
- Medical Design
- Interior Space Planning
- Historic Renovation

PROFESSIONAL HIGHLIGHTS

Architectural Design:

- Mon County Family Court Renovation; Morgantown, WV
- West Virginia Regional Technology Park Renovation to Building 770; South Charleston, WV
- Mon County Sheriff's Building; Morgantown, WV
- WVU South Agricultural Sciences Building; Morgantown, WV
- Washington High School; Charles Town, WV
- Prichard Hall Renovation; Fairmont State University; Fairmont, WV
- WVU CRRB Renovation, 5th and 7th Floors; Morgantown, WV
- WVU Boreman Hall, Boreman Bistro; Morgantown, WV
- WVU Hatfields Restaurant; Morgantown, WV
- Hart Field Maintenance Facility; Morgantown, WV
- Norwood Fire Station; Morgantown, WV
- FMW Composites; Bridgeport, WV
- Hart Field Terminal Renovation; Morgantown, WV
- White Hall Municipal Building; White Hall, WV
- WV State Office Building; Clarksburg, WV
- Ruby McQuain Amphitheater Roof; Morgantown, WV
- Augusta Apartment Building; Morgantown, WV
- Cass Scenic Railroad Clubhouse Renovation; Cass, WV
- Berkeley Springs Bath House Renovation; Berkeley Springs, WV

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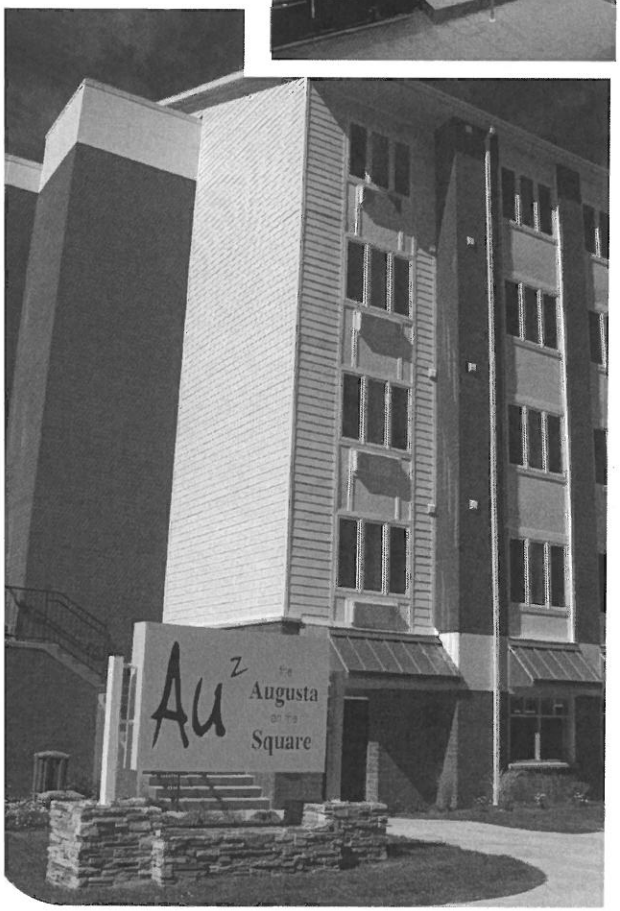
ARCHITECTS ENGINEERS



ALPHA RESUMES

Rebecca Key, AIA, LEED-AP | Architect, Associate

EMPLOYMENT HISTORY

2000 – Current	Alpha Associates, Incorporated
1983-1999	Alexander Key and Associates
1978-1983	Webster Clothes; Director of Store Planning

EDUCATION

University of Maryland
Bachelor of Architecture; 1977
Maryland Institute College of Art
Coursework in Furniture Design; 1986-1987

QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania
- NCIDQ Certified
- Leadership In Energy and Environmental Design Accredited Professional

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Fairmont, WV ICC Board of Appeal; Board Member
- U.S. Green Building Council
- AIA Liveable Communities
- Marion County Chamber of Commerce
- Leadership Kanawha Valley Class of 2014

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Contact
Rebecca Key
304.296.8216
800.640.8216
rebecca.key@thinkalphafirst.com

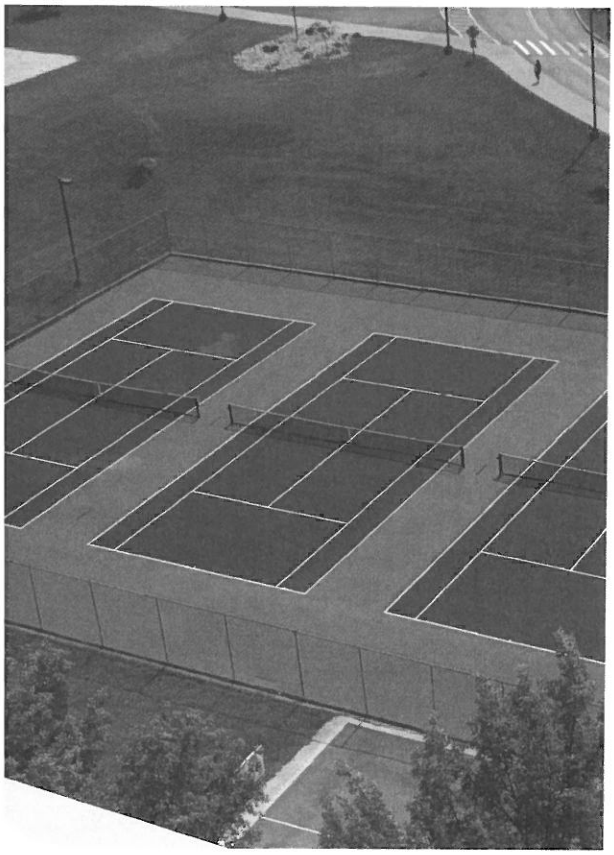
Alpha
ARCHITECTS ENGINEERS

ALPHA RESUMES

Charles Branch, PE | Principal, Civil Engineer

SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.



PROFILE

Broad-based responsibilities in the following areas:

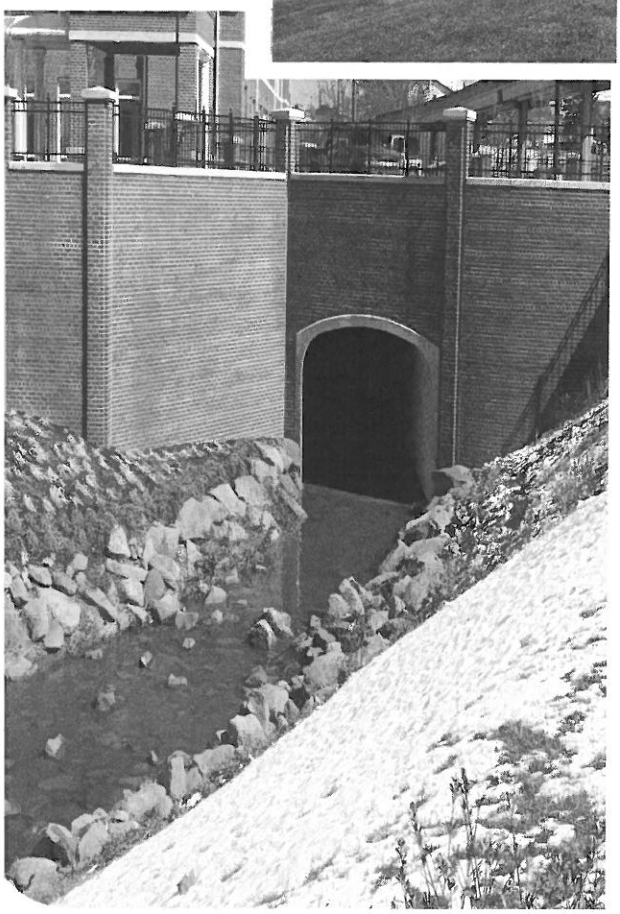
- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer System Design
- Storm Water Management
- Site Engineering
- Project Management

PROFESSIONAL HIGHLIGHTS

Civil Engineer/Project Manager:

- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Alumni Center Storm Water Management; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV
- Blackshere Bridge; Mannington, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV

Alpha
ARCHITECTS ENGINEERS



ALPHA RESUMES

Charles Branch, PE | Principal, Civil Engineer

EMPLOYMENT HISTORY

1992 – Current	Alpha Associates, Incorporated
1988-1992	Reimer, Muegge, & Associates, Inc.

EDUCATION

West Virginia University
Bachelor - Civil Engineering; 2000
Fairmont State College
Bachelor Architectural Engineering Technology; 1988

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers

think Alpha first.com

Contact
Charles B. Branch
304.296.8216
800.640.8216
chuck.branch@thinkalphafirst.com

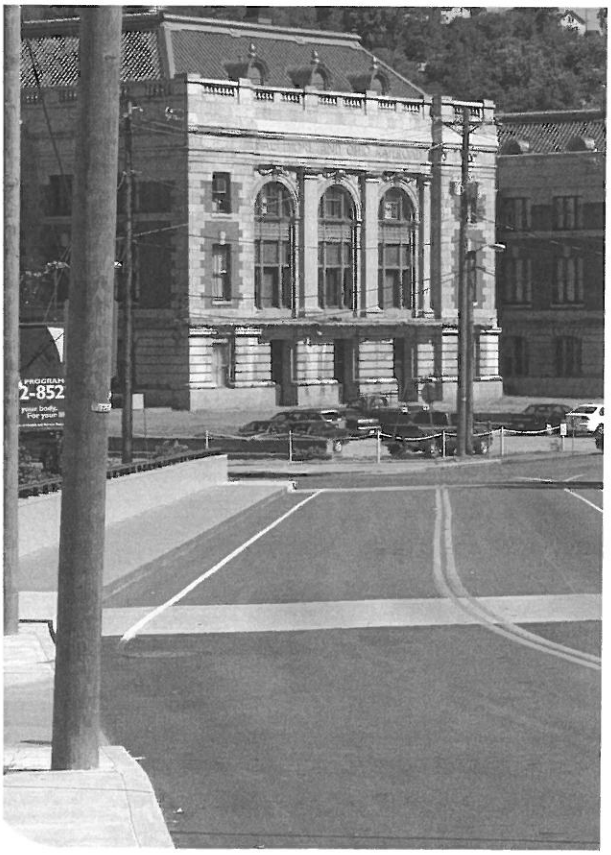
Alpha
ARCHITECTS ENGINEERS

ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold formed steel decks has been made a permanent part of the Steel Deck Institute's design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with the WVU Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications.



PROFILE

Broad-based responsibilities in the following areas:

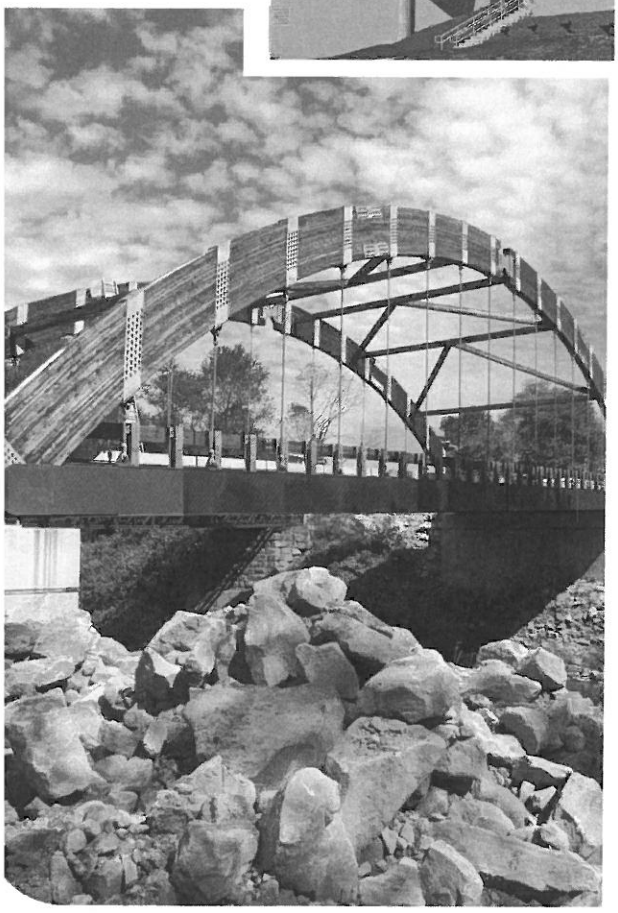
- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

- Alumni Center Structural Framing and Foundation; WVU
- Engineering Science Building, East Wing Addition, WVU
- Hazel Ruby McQuain Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington High School; Charles Town, WV
- WVU Coliseum Structural Inspection; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV
- Alderson Broaddus College, Rex Pyles Arena Deck; Philippi, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Salem International Building Inspections; Salem, WV
- Monongalia County Sheriff's Building; Morgantown, WV
- South High Street Bridge, Morgantown, WV
- Ices Ferry Bridge, Morgantown, WV

Alpha
ARCHITECTS ENGINEERS



ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

EMPLOYMENT HISTORY

1996 – Current	Alpha Associates, Incorporated
1995-1996	Larry D. Luttrell, PE, Ph D
1991-1994	West Virginia University
1990-1991	WVU Constructed Facilities Center

EDUCATION

West Virginia University
Masters - Structural Engineering; 1995
Bachelor - Civil Engineering; 1993

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Pennsylvania

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- Chi Epsilon; Member
- American Concrete Institute; Member

Research Experience

- Cold Formed Steel Deck Research
  - ✓ Fastener Failures
  - ✓ Edge conditions/failures
  - ✓ Buttoned overlap sheer failures
- Composite Cold Formed Steel and Concrete Deck Research
  - ✓ Line load behavior/failures
  - ✓ Concentrated load behavior/failures
  - ✓ Web crippling
  - ✓ Punch failures

think Alpha first.com

Contact
Charles B. Luttrell
304.296.8216
800.640.8216
charlie.luttrell@thinkalphafirst.com

B. Craig Miller PE, LEED-AP

President · Principal Engineer

Founder of Miller Engineering in 2003, he serves as President and Principal Engineer; Craig has more than (20) years of experience in project solution and design.

During his employment with WVU, he was directly involved with approximately $130 million in new capital construction. Experienced in a wide range of projects including: renovations and adaptive reuse for building systems, he can add value to projects by leading the team to design constructable solutions. He is experienced at working with both owner's and teams to complete project goals.

Profile

President

- Design of MEP, Fire, Data, and Project Solutions
- Project Personnel Management
- Business Operations and Financial Management Oversight
- Quality Assurance and Control

Project Highlights

- $75M in MEP Projects Completed to Date
- Adept at Engineering Design for Renovations
- Advanced Surgical Hospital HVAC Design
- Dominion Post HVAC Upgrade
- MedExpress Renovation, Data, MEP Design/Upgrade
- Pipestem Switchgear and HVAC Upgrades

Professional History

2003- Present	**Miller Engineering, Inc.**	**President and Principal Engineer**
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Assistant Director of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker, Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

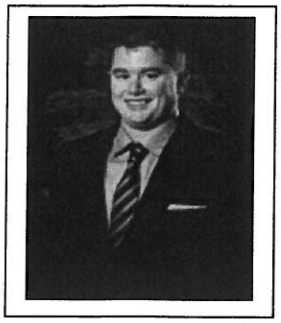
Education

1995 West Virginia University, BS-Mechanical Engineering
1988 University of Charleston, BA-Mass Communications

LICENSE/CERTIFCIATION

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber
- LEED-AP Certified

MILLER
ENGINEERING, INC.



Travis Taylor, PE

Staff Engineer

Experience in project management facilitates Travis's ability to create and design constructable projects. Prior to joining the Miller Engineering team he was directly responsible for managing $10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes.

As a staff engineer, he provides HVAC, Mechanical, Plumbing, and Electrical design solutions and services for our clients. Travis's hands-on electrical and HVAC construction experience enable him to provide engineered solutions with consideration of maintenance. In addition, he is part of our team's complete assessment process in both planning and MEP design through construction administration.

Profile

Staff Engineer

- Design of Mechanical, Electrical, and Plumbing Systems
- Constructable Design and Materials Evaluation
- Site Evaluation and Mechanical System Review
- Submittal and RFP Review
- RFI Coordination, Review, and Response
- Construction Observation

PROFESSIONAL PROJECT HIGHLIGHTS

- WVU Football Stadium Scoreboard
- WVU Lot 81 Parking Improvements
- WVU Temperature Control Upgrades
- Holly River State Park Primary Electric Service Replacement
- Tygart Lake State Park Bath Beach House Renovations
- Pipestem State Park Switchgear and Piping Replacement
- North Elementary Gym HVAC Upgrade
- Veteran's Memorial

Professional History

2011-Present	Miller Engineering, Inc.	Staff Engineer
2006-2011	Tri-County Electric, Co.	Project Manager

Education

2006 West Virginia University, BS – Mechanical Engineering

LICENSE/CERTIFICATION

- Professional Engineer - State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health

MILLER
ENGINEERING, INC.

Robert Angus

Construction Project Representative

Expertise in project management is at the forefront of Robert's abilities and during the past (10) years he has been directly involved with over $30 million dollars of construction projects. Years of maintenance, operations, plumbing, and HVAC construction add valuable knowledge and experience to our complete assessment process.

Robert's hands-on experience enables him to interface with construction personnel seamlessly alongside engineers and architects. He is adept at preventing, mitigating, and resolving construction issues. He is involved at the site evaluation and estimation phase to enhance outcomes of collaboration for all stakeholders' interest and to help ensure constructable designs.

Profile

Construction Review, Estimation, and Building Information Modeling

- Construction Project Administration
- Site Evaluation, Mechanical System Review
- Submittal Review and Project Planning
- RFI, RFPCO Review and Response

PROJECT HIGHLIGHTS

- 3RD Party Construction Observation – Canaan Valley Resort
- Advanced Surgical Hospital
- Cheat Lake Elementary HVAC Upgrade
- Suncrest Middle School Gym HVAC Upgrade
- North Elementary School Boiler/AC
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- Holly River Electrical Phase I and II

Professional History

2009- Present	Miller Engineering, Inc.	Construction Project Representative
2000-Present	Angus Contracting, LLC	Owner/Project Manager
1991-2000	BOPARC	Director of Maintenance

Education

2000	Monongalia County Technical Education Center	Heating, Cooling, and Refrigeration Certification
1996	West Virginia University	Recreation and Parks Administration

LICENSE/CERTIFICATION

- Licensed WV General Contractor
- Licensed HVAC Contractor and Certified Mechanical Contractor
- Licensed Journeyman Electrician
- Licensed Master Plumber
- OSHA 10-Hour Construction Safety & Health

MILLER
ENGINEERING, INC.

Alpha
ARCHITECTS ENGINEERS

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Degree Qualifications

CERTIFICATE OF
Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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

ALPHA ASSOCIATES, INC.

C00012-00

Engineer in Responsible Charge: RICHARD COLEBANK - WV PE 010346

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

July 1, 2014 – June 30, 2015

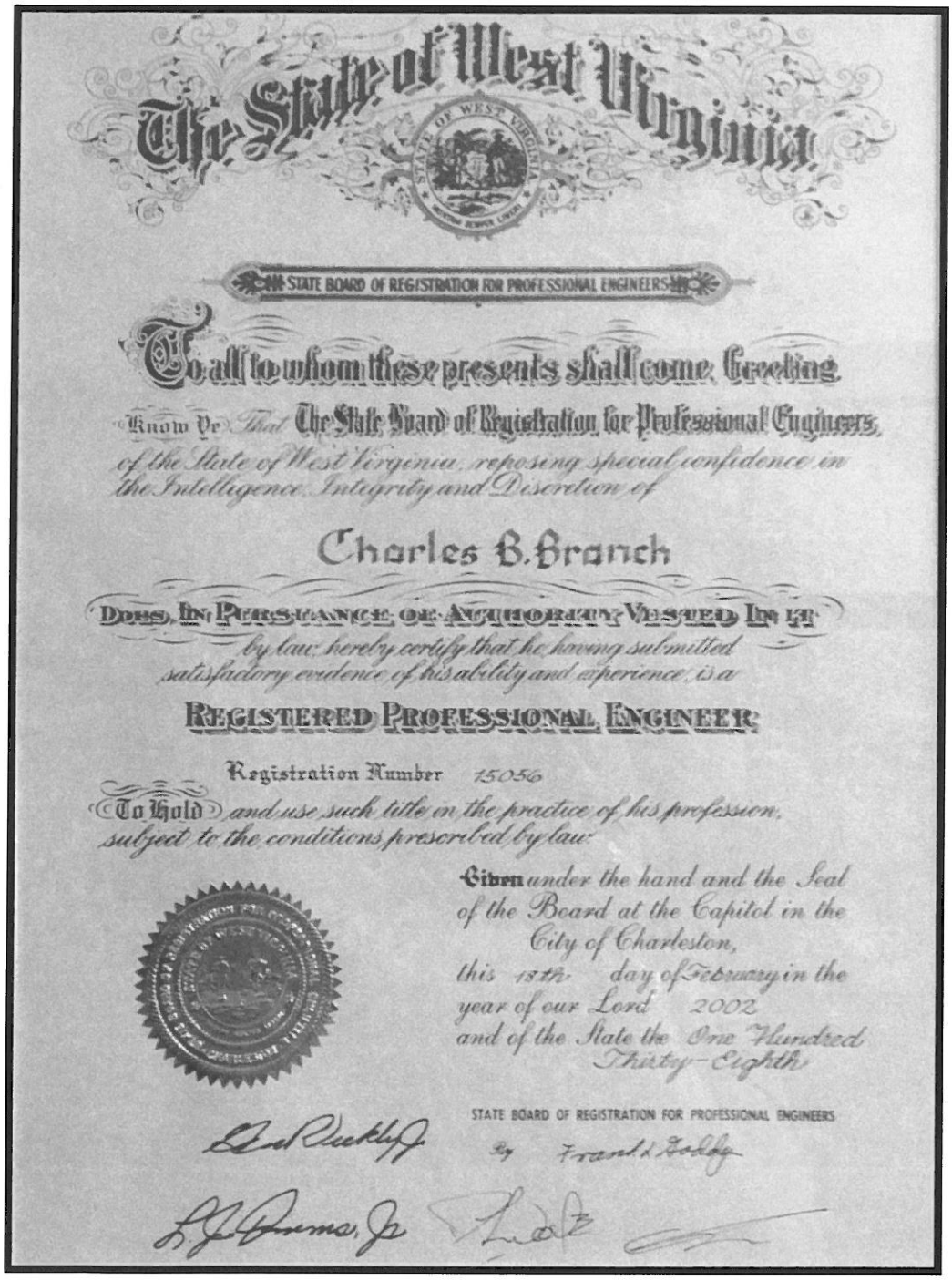
providing for the practice of engineering services in the State of West Virginia.

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

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

BOARD PRESIDENT

Alpha
ARCHITECTS ENGINEERS



The State of West Virginia

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Charles B. Branch

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number 15056

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.

Given under the hand and the Seal of the Board at the Capitol in the City of Charleston, this 18th day of February in the year of our Lord 2002 and of the State the One Hundred Thirty-Eighth

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

By Frank L. Holly

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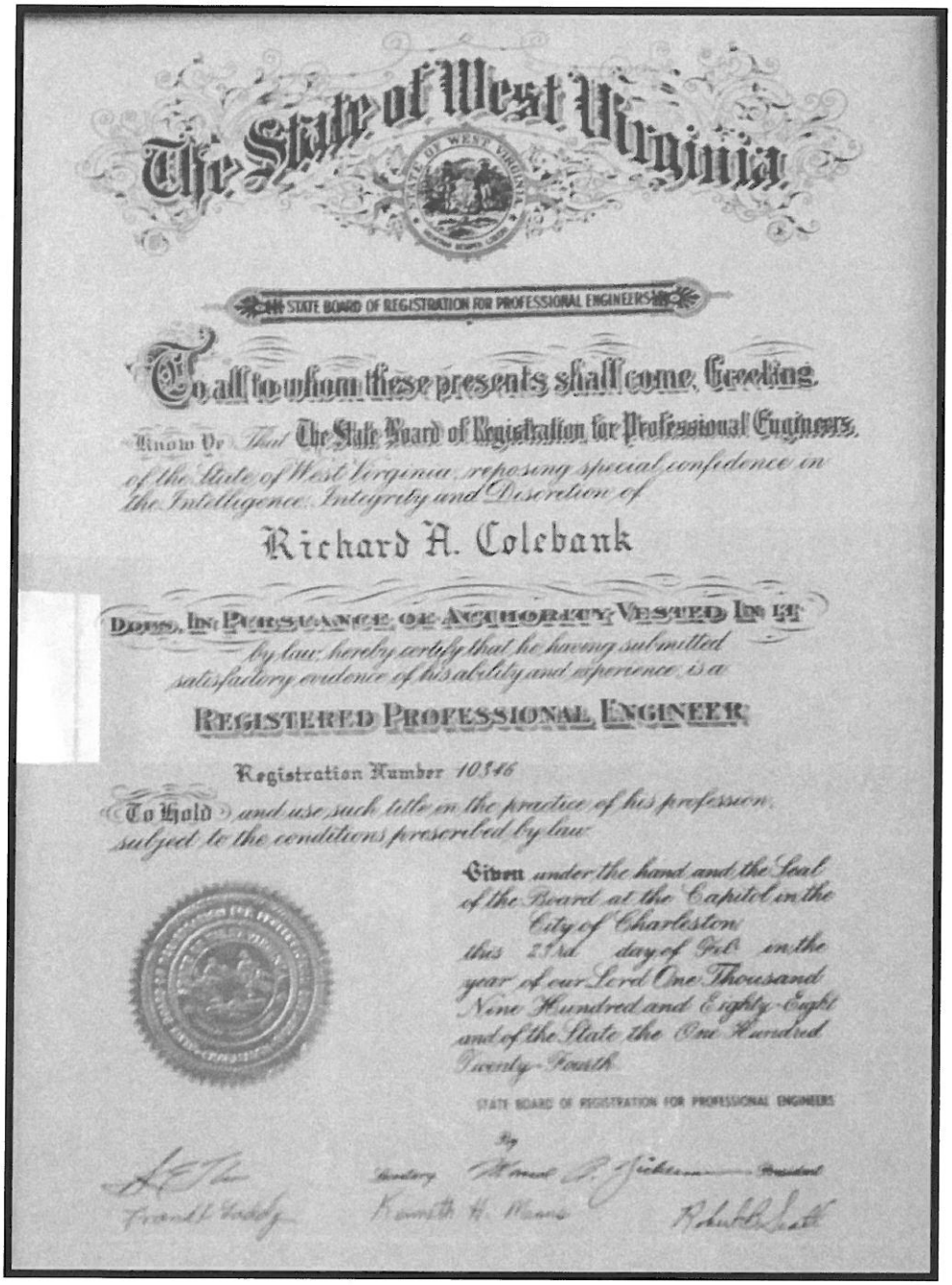
Alpha
ARCHITECTS ENGINEERS



The State of West Virginia

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Richard A. Colebank

Does, In Pursuance of Authority Vested In It by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number 10546

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.

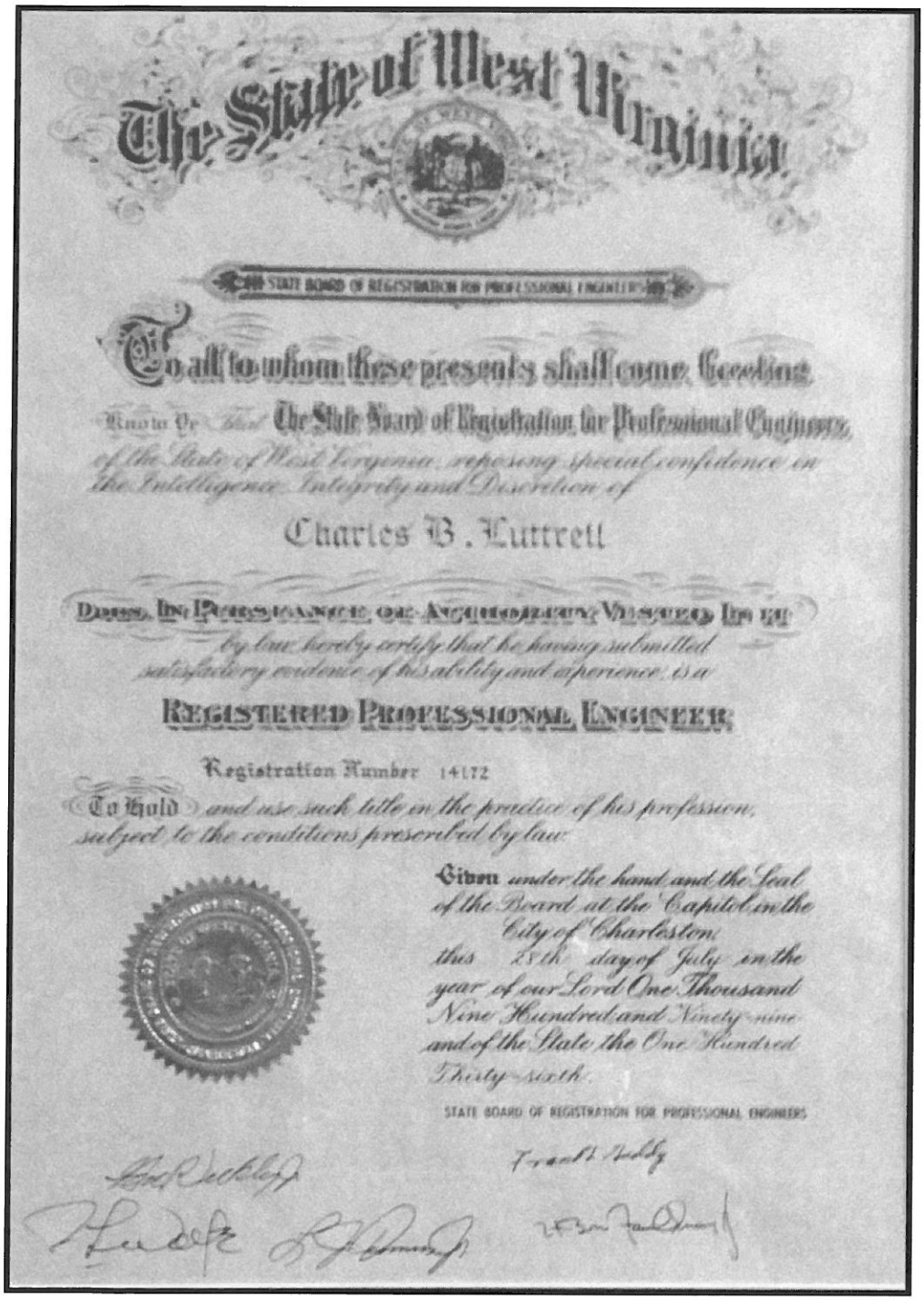
Given under the hand and the Seal of the Board at the Capitol in the City of Charleston this 23rd day of Oct. in the year of our Lord One Thousand Nine Hundred and Eighty-Eight and of the State the One Hundred Twenty-Fourth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

By

Secretary Kenneth H. Means President

Alpha
ARCHITECTS ENGINEERS



The State of West Virginia

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting

Know Ye, that The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Charles B. Luttrell

Duly, Having Performed, or Acquiesced, Vested In It, by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number 14172

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.

Given under the hand and the Seal of the Board at the Capitol in the City of Charleston, this 25th day of July in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Frank Tebbs

think Alpha first.com

The West Virginia Board of Architects

certifies that

REBECCA JEAN KEY

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

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

Certificate Number [redacted]

The registration is in good standing until June 30, 2015.

Leslie C. Lewis

Board Administrator

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

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

MILLER ENGINEERING, INC.
C02108-00

Engineer in Responsible Charge: BRIAN MILLER - WV PE 015184

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

July 1, 2013 – June 30, 2014

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

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

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

BOARD PRESIDENT

)ur ACTIVE PE renewal
:e has been received...

ACTIVE PE renewal fee has been received. Your pocket card
:ating you are entitled to practice engineering in West Virginia
June 30, 2014 may be detached and used until that date unless
.idated as a result of Board audit of your renewal form or formal
plinary action.

)RTANT REMINDERS:

ease include your WV ACTIVE PE license number on any
rrespondence to this office.

ease sign the back of this pocket card and carry the registration
th you.

u are required to immediately notify the Board, in writing, of the
llowing: loss or theft of license or seal, any name change, any
dress change, or any employment change.

BRIAN C MILLER
[redacted]

West Virginia State Board of Registration
for Professional Engineers
300 Capitol Street, Suite 910
Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free

THIS IS YOUR RENEWAL PAYMENT RECEIPT
(in addition to your secondary records of either a canceled check or credit card statement, as well as a confirmation email and printed confirmation page if renewing via our website)
PLEASE SAVE THIS FOR YOUR RECORDS

West Virginia State Board of Registration
for Professional Engineers

BRIAN C MILLER
[redacted]

This is to certify that the above named **PROFESSIONAL ENGINEER** has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES June 30, 2014

The State of West Virginia

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting

"Know Ye" *That* **The State Board of Registration for Professional Engineers**
of the State of West Virginia, reposing special confidence in
the Intelligence, Integrity and Discretion of

Travis W. Taylor

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT
by law hereby certify that he having submitted
satisfactory evidence of his ability and experience is a

REGISTERED PROFESSIONAL ENGINEER

Registration Number 20244

"To Hold" *and use such title in the practice of his profession,*
subject to the conditions prescribed by law.

Given *under the hand of the*
Seal of the Board at the Capitol in the
City of Charleston,
This 23rd day of May
in the year of our Lord 2013
and of the State
the One Hundred Forty-Ninth

Members of the Board

Leonard D. Timms, Jr. Richard E. Lyons

Bhajan S. Sahija William E. Pierson

Hereby Certifies that

Jack E. Jamison, Jr.

has demonstrated professional qualifications through a written examination based on the National Electrical Code® along with successful completion of field practice and documented expertise in required categories and has hereby achieved certification as

Master Electrical Inspector

Effective through:

September 30, 2013

Certification Identification No.

[redacted]

Secretary to the International Board
International Association of Electrical Inspectors

International Code Council
500 New Jersey Avenue, NW
Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written examinations.

Not valid unless signed by certificate holder.
ICC Certification attests to competent knowledge of codes and standards.

Jack E Jamison, Jr - 5171444
Accessibility Inspector/Plans Examiner - Exp. 10/31/2014
Certified Building Official - Exp. 10/31/2014
Commercial Building Inspector - Exp. 10/31/2014
Commercial Mechanical Inspector - Exp. 10/31/2014
Electrical Inspector - Exp. 10/31/2014
Master Code Professional - Exp. 10/31/2014
Mechanical Plans Examiner - Exp. 10/31/2014
Residential Combination Inspector - Exp. 10/31/2014

International Code Council
500 New Jersey Avenue, NW
Washington, DC 20001

The individual named hereon is CERTIFIED in the categories shown, having been so certified pursuant to successful completion of the prescribed written examinations.

Not valid unless signed by certificate holder.
ICC Certification attests to competent knowledge of codes and standards.

Jack E Jamison, Jr - 5171444
Building Plans Examiner - Exp. 10/31/2014
Combination Plans Examiner - Exp. 10/31/2014
Commercial Electrical Inspector - Exp. 10/31/2014
Commercial Plumbing Inspector - Exp. 10/31/2014
Electrical Plans Examiner - Exp. 10/31/2014
Mechanical Inspector - Exp. 10/31/2014
Plumbing Plans Examiner - Exp. 10/31/2014
Residential Energy Inspector/Plans Examiner - Exp. 10/31/2014