

**West Virginia DNR  
Winfield & Huntington  
Boating Facilities  
Engineering Services**

October 26, 2016

**STATEMENT OF QUALIFICATIONS**



10/26/16 09:59:38  
WV Purchasing Division

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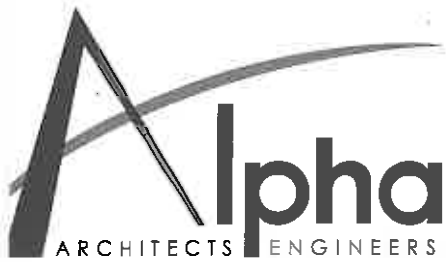
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October 26, 2016

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

**RE: Boating Facilities Design and Construction  
Town of Winfield and Mouth of Guyandotte River**

Dear Selection Committee,

Alpha Associates, Incorporated is pleased to submit this Statement of Qualifications to provide the necessary architectural, engineering, and construction administration services for the design of boat ramps, courtesy docks, access roads, and parking areas for the Town of Winfield on the Guyandotte River in Huntington, West Virginia. Our expertise combined with our history with the Division of Natural Resources make us the perfect design partner for this upcoming project.

#### **Qualifications**

Alpha has completed numerous projects with the Division of Natural Resources over our more than 47 years of providing professional engineering services throughout the State of West Virginia and we are currently working with the Division on the Tygart Lake State Park Boating and Parking Improvements Project. This project highlights Alpha's experience and expertise that will be required for the Project in Winfield. In addition to our ongoing projects, Alpha has worked on access roads and parking areas which you can find in the portion of this Statement of Qualifications labeled "Related Experience".

#### **The Project Team**

Alpha's staff includes Professional Engineers and Registered Architects, as well as additional technicians, surveyors, and landscape designers who are available to assist with all your project needs. We have also included Miller Engineering on our design team to provide any electrical design services and CTL Engineering to provide any necessary geotechnical and environmental services required throughout the Project. Alpha, Miller, and CTL have teamed up for several other

projects, which ensures the Division of Natural Resources a cohesive design team for a seamlessly completed project.

Your dedicated project team will include the following:

Rick Colebank, PE, PS, - Principal-In-Charge  
Chuck Branch, PE, - Project Manager  
Charlie Luttrell, PE – Structural Engineer  
Tom Pritts, AIA, LEED-AP - Architect  
Brad Casdorff, PE, PS, - Civil Engineer  
Craig Miller, PE – Miller Engineering  
Pat Gallagher, PE – CTL Engineering

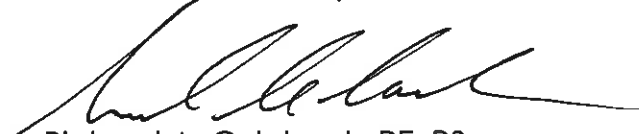
### **Summary**

The Alpha Team is excited for the opportunity to work with the WV DNR on another project. Our dedicated team of professionals will make your project a priority. Please contact me at 304-296-8216 extension 102 if you have any questions or would like to discuss our qualifications further.

Thank you for your consideration.

Sincerely,

### **ALPHA ASSOCIATES, INCORPORATED**



Richard A. Colebank, PE, PS  
President and COO  
[rick.colebank@thinkALPHAfirst.com](mailto:rick.colebank@thinkALPHAfirst.com)



## FIRM PROFILE

### Firm Profile

#### FIRM NAME

**Alpha Associates, Incorporated**

#### OFFICE LOCATIONS:

209 Prairie Avenue  
Morgantown, West Virginia 26501

535 West King Street  
Martinsburg, West Virginia 25401

#### 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  
Charles B. Branch, PE; Principal

#### NUMBER OF EMPLOYEES

24 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 of projects throughout Morgantown and the state of West Virginia. Alpha's Corporate Office is located in Morgantown with our Eastern Regional Office located in Martinsburg.



## STATEMENT OF QUALIFICATIONS

Alpha Associates, Incorporated is a West Virginia-based architectural and engineering design firm that provides services in the areas of architectural design, interior design, construction administration, civil engineering, structural engineering, landscape design, project management, and surveying. Our clients benefit from our unique combination of extensive design and construction experience, advanced technical tools, dedicated principals and highly skilled staff members.

Since 1969, Alpha has provided architectural and engineering design services on numerous projects for the West Virginia Division of Natural Resources, including multiple roadway, parking, and trail areas. Alpha also has vast experience in ADA compliancy and what is necessary to bring projects to code while being budget conscientious.

Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do whatever is necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the President to the administrative staff, works towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will provide frequent updates on the project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of 26 architects, engineers, surveyors and administrative personnel all work diligently towards producing the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for 47 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients.



## 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 civil and structural engineers and architects 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.



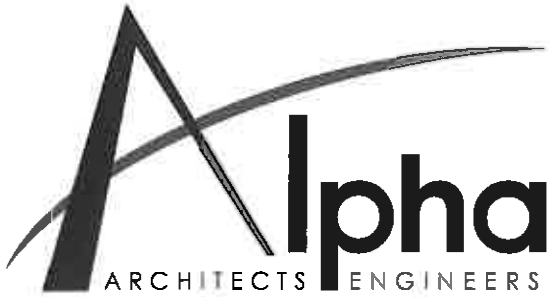
In addition to project management meetings, design principals meet every four weeks to review all project schedules and all personnel utilization. Alpha's project managers and staff work daily with simultaneous projects and understand the importance of time management and prioritization. The Project 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.





## WORKLOAD CAPACITY

Alpha Associates, Incorporated is prepared to commit staff resources to the Division of Natural Resources' upcoming project. Alpha has the qualified and experienced personnel, administrative support, along with the production equipment and resources to ensure the successful completion of this project. We are confident in our ability to provide the WV DNR with a committed and dependable design team.

Our multidisciplinary design team is prepared to meet and exceed the expectations of this project committing any resources necessary to meet the project schedule.

The work for this project will be managed and directed from our Morgantown, West Virginia office. The Alpha team will be led by **Richard Colebank, PE, PS** – President and COO, and supported by Project Manager, **Charles Branch, PE** - Principal. The following is list of the professional staff who will be dedicated to the success of this project.

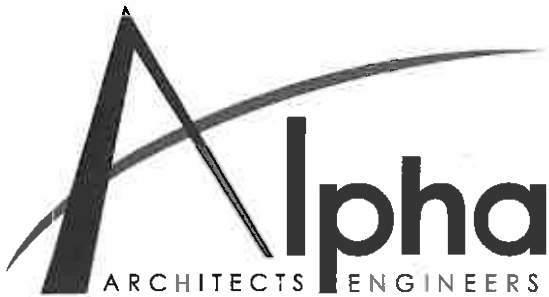
Richard Colebank, PE, PS — **Principal in Charge**

Chuck Branch, PE – **Project Manager, Principal, Civil Engineer**

Bradley Casdorff, PE, PS – **Civil Engineer**

Charles Luttrell, PE – **Principal, Senior Structural Engineer** – Alpha Associates

Our staff of 25 professional and support staff allows us to handle projects of any size but also to give them the individualized attention they require. The Team is ready to begin the Project immediately upon reward of contract.



## SCHEDULE AND BUDGET

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many A/E 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.

Below you find several examples where Alpha was able to execute projects successfully within a reasonable budget.

### **Jefferson County Emergency Services Agency**

Estimate: \$1,230,651.26  
Bid Amount: \$1,219,000.00  
Change Order: \$4,354.52  
Final Budget: \$1,223,354.52

### **Berkeley County Emergency Ambulance Authority**

Estimate: \$345,463.30  
Bid Amount: \$399,400.00  
Change Order: \$23,859.91  
Final Budget: \$423,259.91

### **Clear Mountain Bank – Oakland**

Estimate: \$1,922,615.80  
Bid Amount: \$1,925,948.00  
Change Order: -\$37,405.00  
Final Budget: \$1,888,543.00



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 County of Washington with the most accurate estimates of probable construction cost.



**Tygart Lake State Park**  
**Grafton, WV**

The West Virginia Division of Natural Resources selected Alpha Associates to design improvements to the boat ramps and parking areas at the Tygart Lake State Park in Grafton, West Virginia. Alpha worked with the WV DNR and the Army Corps of Engineers to design a project which fit into the Corps' Master Plan for Tygart Lake. The project increased the size of the parking lot at the boat launch area accommodating 100+ vehicles and trailers and improved vehicular movement and circulation. The boat ramps were widened and lengthened to provide access to the lake at low pool elevations as well as improved access during summer pool levels.

**Canaan Valley Resort Buildings 1, 4, & 5**  
**Davis, WV**

Alpha Associates, Incorporated is providing demolition plans for the existing buildings 1, 4, and 5 at Canaan Valley Resort. The reclamation plan includes creating two levels of grassed, accessible open spaces that can be used for outdoor activities.

**Coopers Rock State Forest**  
**Bruceton Mills, WV**

Alpha Associates, Incorporated is designing a new potable water supply and distribution system for Cooper's Rock State Forest. The current well, storage tank, and pump systems are deficient and in need of replacement. The upgraded system will serve the Forest Superintendent's residence, the Assistant Superintendent's residence, as well as the Forest Office Building.

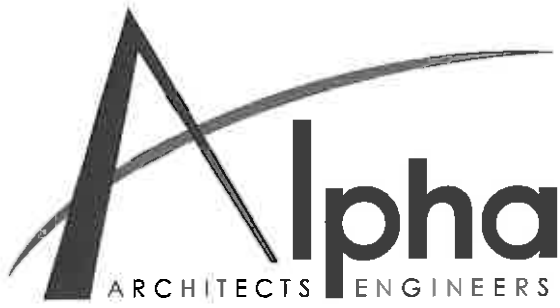
**Watters Smith Memorial State Park**  
**Jane Lew, WV**

Alpha Associates, Incorporated is preparing demolition plans for the existing pool at Watters Smith Memorial State Park. As part of the reclamation, Alpha is doing the architectural design and site design for a large pavilion that the park will rent to the public to use for gatherings such as weddings receptions, family reunions, and company picnics.

Alpha Associates, Incorporated is also developing a structural engineering plan to straighten and stabilize the historic Farm Barn located within the Historical Restoration and Interpretive Area of the park.

**Spring Run Fish Hatchery**  
**Petersburg, WV**

Alpha Associates, Incorporated is providing architectural and engineering services for the improvements at Spring Run Fish Hatchery. These improvements include replacing the existing flat roof with a new sloped roof.



**ALPHA EXPERIENCE**

**Alumni Center Parking Lots | 2008**

**Engineering Case Study**

**West Virginia University Alumni Center  
Parking Lots / Demolition**

Morgantown, WV

Alpha Associates provided surveying, civil engineering, and construction administration services for the West Virginia University Alumni Center Parking Lots Project. This project provided 200 controlled access, paved parking spaces adjacent to the new WVU Alumni Center, lighting, storm water controls, and other related appurtenances.

Alpha's civil engineering components included: building demolition, site grading, storm water management, utility design, and storm drain design. Alpha coordinated the project with the Morgantown Utility Board, the City of Morgantown, and all local utility companies.

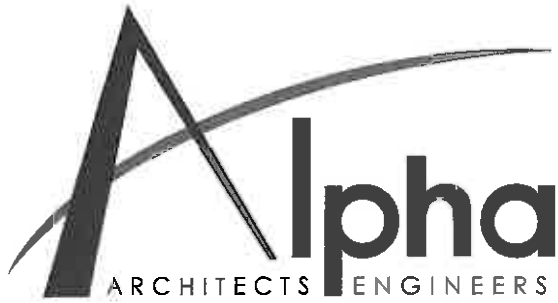
**Also included in this construction package was the demolition of two existing apartment buildings. Alpha provided engineering for the removal of the buildings and coordination of environmental remediation services.**

**Project Contact:**  
**Paul Hanko**  
**PO Box 4269**  
**Morgantown, WV 26504**  
**304-293-4731**

**At a Glance**

**CLIENT:** WV Alumni Association  
**LOCATION:** Morgantown, WV  
**COMPLETION DATE:** 2008  
**SIZE:** 200 spaces  
**CONSTRUCTION COST:** \$997,000





**ALPHA EXPERIENCE**

**Lot 81 Parking Lot** | 2011

**Engineering Case Study**

**West Virginia University Parking Lot 81**

Morgantown, WV

Alpha Associates provided surveying, civil engineering, and construction administration services for the West Virginia University Parking Lot 81 Project. This project was the renovation of a parking lot of approximately 1000 spaces. Phase 1 provided revised entrances and additional handicap parking. Phase 2, provided additional asphalt and storm water management controls as well as new lighting.

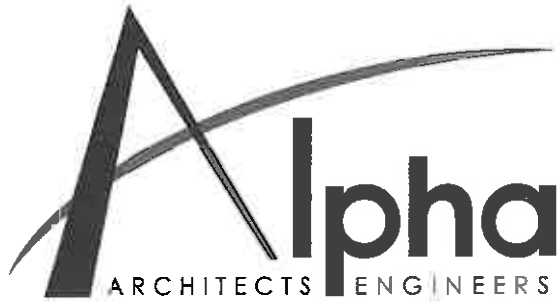
Alpha's civil engineering components included: site grading, storm water management, utility design, and storm drain design. Alpha coordinated the project with the Morgantown Utility Board, the City of Morgantown, and all local utility companies.

**Project Contact:**  
**Kevin Kilinsky**  
**PO Box 6572**  
**Morgantown, WV 26506**  
**304-293-4731**

**At a Glance**

**CLIENT:** West Virginia University  
**LOCATION:** Morgantown, WV  
**COMPLETION DATE:** 2011  
**SIZE:** Multiple Phases  
**CONSTRUCTION COST:** Phase I \$197,700  
Phase II \$1.3 Million





**ALPHA EXPERIENCE**

**I-68 Welcome Center | 2002**

**Transportation Case Study**

**West Virginia Medal of Honor Recipients  
Memorial Plaza  
Hazelton, WV**

This project required a separate sewage treatment plant and major utility extensions due to the remote location of the site. In addition, Alpha's team designed all roadways pertaining to the project, including all entrance and exit ramps leading from the interstate.

The Welcome Center is a single-story building of approx. 7,700 square feet. It has separate spaces for public restrooms, vending, landscaped sitting "mall", arts and crafts display and offices. A state of the art, multiple-monitor, computerized theater having multi-media presentation capabilities is also included, as well as interactive computer kiosks bringing the latest updates on regional and state-wide information) to residents and visitors alike. This design utilizes large glass view areas within the Welcome Center to take advantage of the mountainous vista at this site.

**Project Contact:**  
**Dirar Ahmad**  
**State Capital Complex**  
**Bldg. 5, Room 317**  
**Charleston, WV 25301**  
**304-558-9721**

**At a Glance**

**CLIENT:** WV Division of Highways  
**LOCATION:** Hazelton, WV  
**COMPLETION DATE:** 2002  
**SIZE:** 7,700 SF  
**CONSTRUCTION COST:** \$2 Million





**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

**At a Glance**

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







**ALPHA EXPERIENCE**

**Glennville City Square | 2011**

**Engineering Case Study**

**Glennville City Square**

Glennville, WV

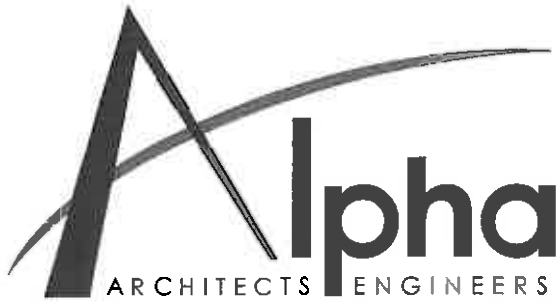
Alpha Associates, Incorporated provided design and construction administration services for a park in downtown Glennville. The park includes 2200 square feet of pavilion, a 20' diameter gazebo, lighting, clock, sidewalk and landscaping.

**Project Contact:**  
**Donna Waddell**  
**115 East Main Street**  
**Glennville, WV 26351**  
**304-462-7545**

**At a Glance**

**CLIENT:** Gilmer County Family Resource Network  
**LOCATION:** Glennville, WV  
**COMPLETION DATE:** 2011  
**SIZE:** 120' x 120'  
**CONSTRUCTION COST:** \$510,000

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ALPHA EXPERIENCE

Rocky Lane Road | 2009

## Transportation Case Study

### Rocky Lane Road

Martinsburg, WV

Alpha Associates, Incorporated provided the design of a new connection of Rocky Lane Road to Winchester Avenue (US Route 11) in the City of Martinsburg. The work included a new intersection, widening of Winchester Avenue to accommodate turning lanes, a new traffic signal, utility relocation, various roadway improvements including new sidewalks, curbs, gutters, retaining wall and a storm water management system were added.

#### Project Contact:

Barry Knotts, PE

PO Box 99

Burlington, WV 26710

304-289-3521

#### At a Glance

CLIENT: WVDOH

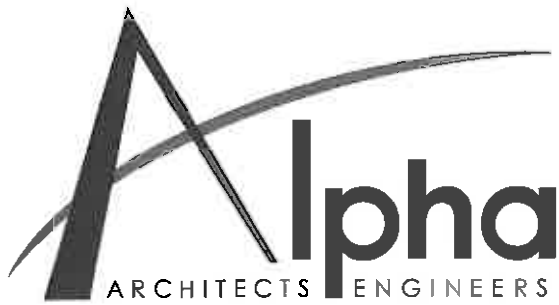
LOCATION: Martinsburg, WV

COMPLETION DATE: 2009

SIZE: .017 Miles

CONSTRUCTION COST: \$1,067,515

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## ALPHA EXPERIENCE

**Monongalia General Access Road** 2012

### Engineering Case Study

**Monongalia General Hospital Access Road to Route 705**  
Morgantown, WV

Alpha provided design services for a new entrance onto WV Route 705 opposite Willowdale Road. This access will provide for a five lane direct connection for Monongalia General Hospital onto Rt. 705.

The project consists of a traffic impact analysis, intersection and signal design at the Willowdale intersection, and the design of an access road from Maple Drive to J.D. Anderson Drive.

Alpha's design services include:

1. Preparation and approval of Traffic Impact Analysis.
2. Coordination with DOH District and Main Office.
3. Access road design.
4. Plans for closing of Maple Drive West at WV Rt. 705.
5. Design of turn lanes, pavement marking, signal modifications, signage, and permitting.
6. Drainage design for all work.
7. Design of maintenance of traffic plans for all work.
8. Coordination with all utility companies.
9. Preparation of right of way documents.
10. Erosion and sediment control design.

#### Project Contact:

**Daryl Duncan**  
1200 J.D. Anderson Drive  
Morgantown, WV 26505  
304-598-1200

#### At a Glance

**CLIENT:** Monongalia General Hospital

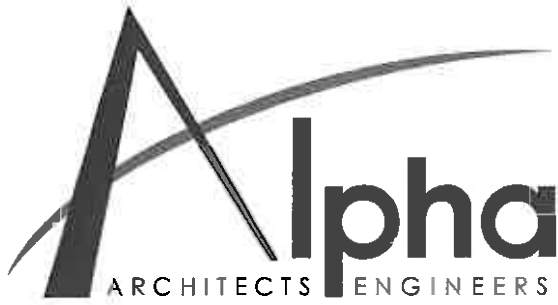
**LOCATION:** Morgantown, WV

**COMPLETION DATE:** 2012

**SIZE:** Approx .5 miles

**CONSTRUCTION COST:** \$2.5 Million

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**ALPHA EXPERIENCE**

**Airport Access Road | 2015**

**Engineering Case Study**

**Morgantown Municipal Airport  
Access Road**

Morgantown, WV

Alpha Associates, Incorporated recently completed the design of a new access road for the Morgantown Municipal Airport. The access road runs from County Route 857 near the Glenmark Center intersection to the East side of the Morgantown Municipal Airport.

The road will service a new US Army Reserve Center and a new airport business park. Design services provided by Alpha include traffic impact analysis, coordination with DOH, actual access road design, design of all turning lanes, pavement markings, signage, permitting, coordination with utility companies, preparation of right of way documents, and all other details pertinent to the completion of the project.

**Project Contact:**  
**Monongalia County Development  
Authority**  
**955 Hartman Run Road, Suite 200**  
**Morgantown, WV 26505**

**At a Glance**

**CLIENT:** Monongalia County  
Development Authority

**LOCATION:** Morgantown, WV

**COMPLETION DATE:** 2015

**SIZE:** 5500 LF of Roadway

**CONSTRUCTION COST:** \$4.5 Million

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## Descriptions of Past Projects Completed – High Voltage Repair

### Holly River State Park

Hacker Valley, WV

#### Services Provided:

- High Voltage Electrical Design
- Emergency Repair
- Installation

**Estimated Budget: \$2.4M**

**Facility Area: 8,101 acres of recreational space**

**Owner: West Virginia Division of Natural Resources**



Emergency electrical supply was restored to select areas of the park in phase 1 due to the timing of the storm and the onset of winter. Phase 1 was a priority for the owner (WVDNR) and went from start of design to bid in less than 4 weeks. Coordination with the DOH and the DEP were facilitated during this short turnaround in order to restore electrical supply to the administrative areas.

Our team designed and developed a plan to restore power to the park and reduce future outages. MEI's design solution opted for burying 2.5 miles of electrical supply cabling in conduit, demo of the existing storm damage-prone overhead service, reclaiming PCB transformers and re-connecting all existing electrical loads. During Phase 1, MEI noted several concerns and safety issues which needed to be addressed long term.

MEI worked with the client to both document and estimate the cost to address code deficiencies and issues, which the client used to secure funding. Phase 2 design of the replacement of 9,000 feet of high voltage cabling and PCB transformers has been completed and is bidding.

Phase 2 addresses the long-term reliability and code deficiencies in the remainder of the park, particularly the campground areas.

#### Project Contact:

*Bradley S. Leslie, PE, Assistant Chief*  
WVDNR State Parks Section  
(304) 558-2764 ext. 51826

## Descriptions of Past Projects Completed – HVAC Piping

### Pipestem McKeever Lodge

Pipestem, WV

#### Services Provided:

- HVAC
- Plumbing
- Electrical
- Accommodation of Existing Systems

**Estimated Budget: \$1.7M**

**Facility Area: 63,000 ft<sup>2</sup>**

**Owner: West Virginia Division of Natural Resources**



The original HVAC piping at McKeever Lodge had exceeded its lifespan and had been suffering from corrosion leading to multiple leaks, including one causing an electrical service outage. Miller Engineering was hired to investigate the existing piping, discovering all of the piping required replacement. As this lodge is regularly occupied for larger conferences, the project had to be phased to minimize the amount of guest rooms taken out of service at one time. MEI also designed provisions to interconnect the lodge's two separate boiler/chiller plants so one plant could operate the entire lodge at a partial capacity while the other plant was replaced and re-piped. This interconnect also allows the lodge to operate in the event of a boiler or chiller outage. Power was provided to new equipment, and motor control centers were added to control the building loop pumps. A new building controls system was installed to allow the plants to run at optimum efficiency while meeting the lodges heating and cooling needs.

#### Project Contact:

*Carolyn Mansberger, Project Manager  
State Parks Section  
(304) 558-2764*

## Project Experience – Beach and Bathhouse

### Tygart Lake State Park

Grafton, WV

#### Services Provided:

- Mechanical
- Electrical
- Plumbing
- Commercial Kitchen Update
- Construction Administration

**Estimated Budget: \$995k**

**Facility Area: 4 acres**

**Owner: West Virginia Division of  
Natural Resources**



Previously the beach area was nothing more than a concrete slab prone to algae infestation creating a slip hazard. Paths and recreation areas were ill-defined, lacking clear flow or direction and did not contribute to natural surroundings. After a site review, an overall plan was developed by Miller Engineering and is now a successfully completed project. The State Park is a popular recreation destination for Morgantown area residents. The beach area and access, volleyball, horse shoe, grilling and bath house were all renovated. The kitchen received code compliant updates and additional electric capacity to add a concession stand in the future.

#### Project Contact:

*Bradley S. Leslie, PE, Assistant Chief*

*WVDNR State Parks Section*

*Phone: (304) 558-2764*



**Project: Buffalo Creek Floodplain Study and Expansion**

**Owner: Monongalia Conservation District**

**Location: Farmington, West Virginia**

#### **Project Features**

The town of Farmington has experienced occasional flooding from storms of short intense duration. CTL Engineering of West Virginia, Inc., in conjunction with an open-ended contract with the Monongahela Conservation District and the West Virginia Conservation Agency, provided hydrologic studies, survey control and design services to increase the flood plain cross-sectional area of Buffalo Creek upstream of Farmington. This initial project lowered the flood plain elevation through the town of Farmington.

#### **Client Reference**

**Gene Saurborne**

**(304) 295-3118**

#### **Project Completion**

**2007**





**Project: Upper Deckers Creek Impoundment**

**Owner: Monongahela Soil Conservation District**

**Location: Preston County, West Virginia**

#### **Project Features**

CTL Engineering, Inc. was responsible for surveying the project boundary, flooding easement and existing and proposed pool elevations.

CTL Engineering determined the stream and wetland impacts and mitigation required from raising the pool elevation. CTL also completed the field and office work for the HGM and the West Virginia Stream and Wetland Valuation Metric (SWVM). CTL supplied the information to the Monongahela Soil Conservation District to prepare the 401 and 404 permits

Construction is scheduled start in the Fall of 2016.

#### **Client Reference**

Monongahela Soil Conservation District  
Gene Saurborn  
201 Scotts Run  
Morgantown, WV 26508  
(304) 285-3118

#### **Project Completion**

Spring 2018



**Project: Farmington Box Culvert Rehabilitation**

**Owner: Monongalia Conservation District**

**Location: Farmington, West Virginia**

**Project Features**

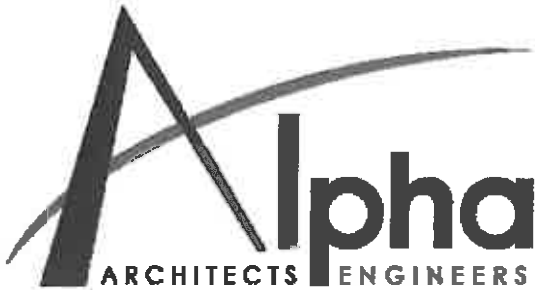
The town of Farmington has experienced occasional flooding from storms of short intense duration. CTL Engineering of West Virginia, Inc., in conjunction with an open-ended contract with the Monongahela Conservation District and the West Virginia Conservation Agency, provided design, specifications, bidding and construction observation and testing for the project consisting of demolishing and replacing the existing deteriorating concrete deck lid, repair spalling and cracking areas of existing sidewalls, and installation of a 8" diameter sanitary stub into the existing main line.

**Client Reference**

Gene Saurborne  
(304) 295-3118

**Project Completion**

2011



## 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 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 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
- West Virginia State Office Building; Clarksburg, WV
- WVU College of Physical Education and Sports Science/Student Health Center; 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 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
- American Red Cross - Regional Chairman
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- WVU College of Civil and Environmental Engineering Visiting Committee
- WVU College of Business and Economics MBA Advisory Committee

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Contact

Richard A. Colebank

304.296.8216

800.640.8216

rick.colebank@thinkalphafirst.com



#### 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

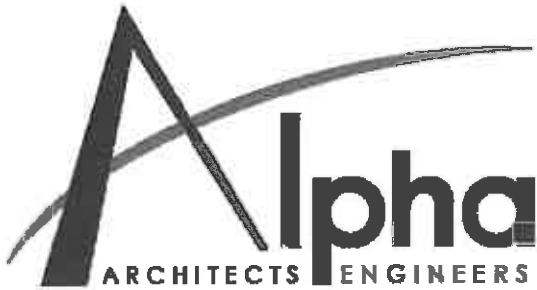
Broad-based responsibilities in the following areas:

- 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 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

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Contact

Charles B. Branch

304.296.8216

800.640.8216

[chuck.branch@thinkalphafirst.com](mailto:chuck.branch@thinkalphafirst.com)



## ALPHA RESUMES

### 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.

**Charles B. Luttrell, PE** | Principal, Structural Engineer

### PROFILE

Broad-based responsibilities in the following areas:

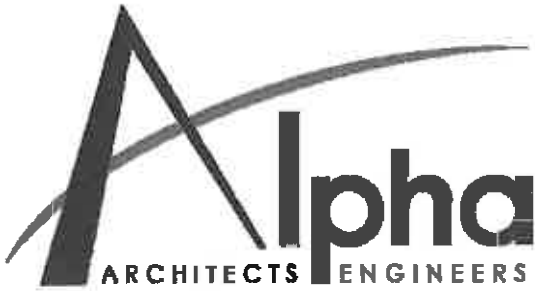
- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

### 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 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 shear failures
- Composite Cold Formed Steel and Concrete Deck Research
  - ✓ Line load behavior/failures
  - ✓ Concentrated load behavior/failures
  - ✓ Web crippling
  - ✓ Punch failures

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Contact

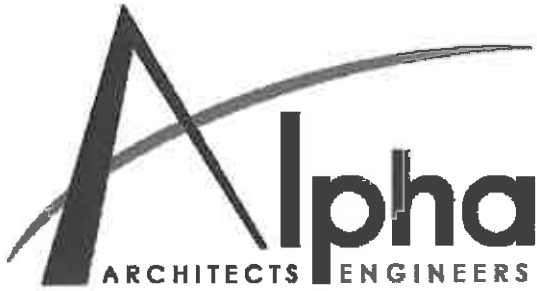
Charles B. Luttrell

304.296.8216

800.640.8216

charlie.luttrell@thinkalphafirst.com





## ALPHA RESUMES

**Thomas Pritts, AIA, LEED-AP** | Associate, Architect

### SUMMARY

Mr. Pritts is a licensed Architect who joined the Alpha Associates, Incorporated staff in the Morgantown office in 2004. His involvement in projects in West Virginia's Eastern Panhandle facilitated his relocation to Cumberland, MD in 2008 to better serve clients in that area. In 2008 he received his LEED Accredited Professional Certification from the USGBC and Construction Document Technologist designation from the Construction Specification Institute. Mr. Pritts has become a valuable asset to Alpha Associates with broad experience in K-12 and higher educational design, commercial design and programmatic development.



### PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Programmatic Development
- Green Building Design

### PROFESSIONAL HIGHLIGHTS

#### Higher Educational Facilities

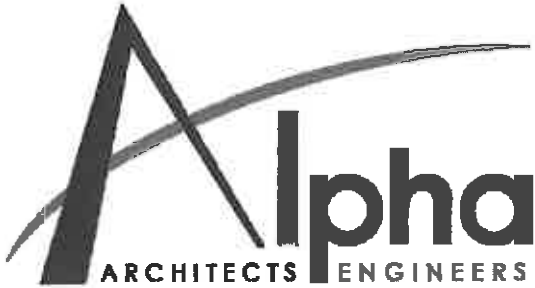
- WVU CPASS and Student Health Building; Morgantown, WV
- Glenville State Skybox; Glenville, WV
- Potomac State College, ADA Connector Link; Keyser, WV
- Engineering Science Building, East Wing Addition, WVU
- Potomac State College, Library Façade Replacement, Keyser, WV
- Potomac State College, McKee Arts Center Plaza; Keyser, WV

#### K-12 Educational Facilities:

- Huff Consolidated School; Hanover, WV
- Aurora Elementary School Addition; Preston County, WV
- Riverview High School Football Fieldhouse; McDowell County, WV
- Washington High School; Charles Town, WV
- Monongalia County Schools – School Access Safety; Morgantown, WV
- Pineville Elementary School; Wyoming County, WV

#### Miscellaneous:

- Harry Green Nissan; Clarksburg, WV
- Martinsburg Wastewater Treatment Plant; Martinsburg, WV
- Bavarian Inn Pool; Shepherdstown, WV
- Fairmont Federal Credit Union; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Jefferson County Emergency Operations Building; Ranson, WV
- Eastern Panhandle Transit Authority Renovation; Martinsburg, WV
- Elkins Chrysler Dodge Jeep Ram; Elkins, WV



## ALPHA RESUMES

**Thomas Pritts, AIA, LEED-AP** | Associate, Architect

### EMPLOYMENT HISTORY

2004 – Current Alpha Associates, Incorporated  
2003-2004 Marshall Craft Associates

### EDUCATION

Virginia Tech  
Bachelor of Architecture; 2004

### QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland
- NCARB Certified
- Leadership in Energy and Environmental Design Accredited Professional
- Construction Document Technologist
- Certified Construction Specifier

### AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Autodesk User Group International
- U.S. Green Building Council
- Construction Specification Institute

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Contact

Thomas Pritts  
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800.640.8216

[tom.pritts@thinkalphafirst.com](mailto:tom.pritts@thinkalphafirst.com)



## ALPHA RESUMES

**Bradley Casdorph, PE, PS** | Civil Engineer

### SUMMARY

Mr. Casdorph joined the Alpha Associates, Incorporated team in 2004 and currently works as a project engineer in the Morgantown office. He has 36 years of professional experience with roadway design, storm sewer design, airport airside renovation and design, storm water management including conveyance and detention, environmental permitting, project administration supervision and inspection, as well as boundary and construction surveying.



### PROFILE

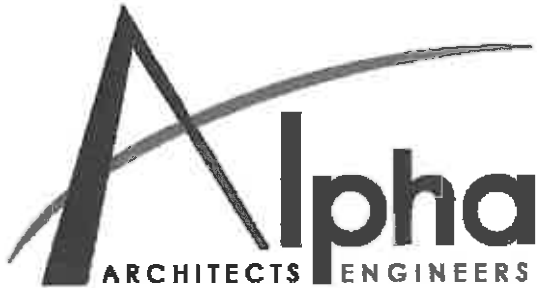
Broad-based responsibilities in the following areas:

- Airport Planning and Design
- Highway Design
- Hydraulic and Hydrology Studies
- Site Plan Development
- Land Surveying

### PROFESSIONAL HIGHLIGHTS

#### Civil Engineering:

- Platinum Properties - Waterfront Conference Center; Morgantown, WV
- Hart Field - Runway Safety Area; Morgantown, WV
- Hart Field - Ramp Renovation and Deicing Facility; Morgantown, WV
- Hart Field - Signage and Lighting; Morgantown, WV
- Hart Field - Airport Certification Manual; Morgantown, WV
- Hart Field - Air Rescue and Fire Fighting Vehicle Procurement, WV
- WVU - Lot 81 Parking Area Improvements; Morgantown, WV
- WVU Animal Facilities Annex, Engineering Retrofit; Morgantown, WV
- McKee Crossing - 120 Acre Subdivision; Martinsburg, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- Davison Estates - 60 Acre Subdivision; Morgantown, WV
- Mon General Hospital - East Parking Area; Morgantown, WV
- Applebee's Restaurant, Site Plan; Morgantown, WV
- WVU CPASS/Student Health; Morgantown, WV
- WVU Research Park- 100 Acre ALTA/ACSM Survey; Morgantown, WV
- WVU Museum; Morgantown, WV



## ALPHA RESUMES

**Bradley Casdorff, PE, PS** | Civil Engineer

### EMPLOYMENT HISTORY

2004 – Current    Alpha Associates, Incorporated  
1979-2004        Triad Engineering, Incorporated

### EDUCATION

West Virginia University  
Bachelor - Civil Engineering; 1979

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia  
Professional Surveyor: West Virginia  
Certified Private Pilot

### AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- WVSPS - Mountain Regional Chapter; President
- Aircraft Owners and Pilots Association; Member

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Contact

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## ALPHA RESUMES

### Kevin McClung | Landscape Designer

#### SUMMARY

Mr. McClung comes to Alpha Associates, Incorporated after spending ten years in public service. He was formerly the Marion County Planner and his most recent position was Assistant Planner for the City of Fairmont. During his tenure in municipal government Mr. McClung has worked on grant writing and administration, comprehensive planning and code enforcement. Prior to working in municipal government Mr. McClung worked in the field of historic preservation as a delineator for the Eberly College of Arts and Sciences Institute for the History of Technology and Industrial Archaeology at WVU.



#### PROFILE

Broad-based responsibilities in the following areas:

- Landscape Design
- Historic Landscape Preservation
- Delineation to HABS/HAER Standards
- Grant Writing
- Zoning Administration
- Comprehensive Planning
- Wetland Delineation

#### PROFESSIONAL HIGHLIGHTS

##### Landscape Designer:

- Clarksburg State Office Building; Clarksburg, WV
- Mon County Sheriff's Department Building; Morgantown, WV
- WVU Art Museum; Morgantown, WV
- WVU CPASS Building; Morgantown, WV
- 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
- ClearMountainBank; Reedsville, WV
- Mon General Medical Office Building Site Plan; Morgantown, WV
- Airport Access Road, Wetland Delineation; Morgantown, WV
- Glenville City Square; Glenville, WV
- J.B. Chambers Recreation Park; Wheeling, WV



**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 and building types, 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
- Multiple Project Experience with Buildings Aged 70+ years
- Metropolitan Theater Historic Renovation
- Bartlett House Phased Adaptive Renovation
- West Virginia Capitol Building Renovation
- Veteran's Memorial and Reflecting Pool

### **Professional History**

2003- Present	Miller Engineering, Inc.	President and Principal Engineer
2007-2003	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/CERTIFICATION**

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





**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, Electrical, and Fire Protection design solutions and services for our clients. Travis's hands-on construction experience enables him to provide engineered solutions for all types of building's fire protection and suppression requirements.

**Profile**

**Staff Engineer**

- Design of MEP, Fire, Data, and Phone Systems
- Constructable Design and Materials Evaluation
- Site Evaluation and Mechanical System Review
- Submittal and RFP Review
- RFI Coordination, Review, and Response
- Construction Observation

**Project Highlights**

- Bobtown Elementary School HVAC Renovation
- Electrical Contractor Project Manager for the Louis Johnson VA Hospital -- 3<sup>rd</sup> floor Inpatient Renovation
- WV Veterans Memorial Renovations
- Adaptive Renovation of the Bartlett House
- Pipestem State Park Switchgear, Piping, and Fire Alarm Upgrades
- WVU Hesland Hall Fire Alarm and Sprinkler Upgrades
- Adaptive re-use of Urliaga General Store into mixed-use facility

**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





**Joseph Machnik**

MEP Designer

Joseph joined Miller in order to support computer aided design and modeling functions while enhancing design synergy to occur for our clients. He has experience with AutoCAD, MEP and Revit MEP. He provides modeling, drafting, and supervised design services and construction support for Miller Engineering.

### **PROFILE**

#### **Design of Mechanical, Electrical, and Plumbing Systems**

- Drawing Coordination of New Construction and Renovation Designs including Autodesk Revit® & AutoCAD®
- Design of Plumbing & Mechanical Systems
- Assistance with Construction Administration

### **PROFESSIONAL PROJECT HIGHLIGHTS**

- Bobtown Elementary School HVAC Renovation
- WV Veterans Memorial Renovation
- Bardist House Renovation
- Adaptive Re-Use of Livings General Store
- Tygart Lake State Park Lodge Kitchen HVAC Upgrades

### **EMPLOYMENT HISTORY**

2010 – Present Miller Engineering, Inc. MEP Designer

### **EDUCATION**

2008 Penn State – Fayette, AS • Building Engineering Systems Technology: Building Environmental Systems Technology

2007 Penn State – Fayette, AS • Building Engineering Systems Technology: Architectural Engineering Technology







**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 expertise 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 which meet project goals.

**Profile**

**Construction Administration**

- Construction Estimation and Building Information Modeling
- Site Evaluation, Mechanical System Review
- Submittal Review and Project Planning
- RFI, RFPCO Review and Response

**Project Highlights**

- 3<sup>rd</sup> Party Construction Observation – Canaan Valley Resort
- Bartlett House Renovation
- Veteran's Memorial and Reflecting Pool
- Blackwater Falls Kitchen HVAC Renovation, Fire/Sprinkler System
- Metropolitan Theater Historic Renovation
- Holly Grove Historic Mansion Renovation

**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





**Jack Jaminson**

**Code Professional**

Jack brings (15) years as an electrical/building inspector and over (20) years of experience in the commercial electrical construction field. He is certified as a Master Code Professional and has many professional registrations and certifications. Jack also teaches code review classes throughout the year. Through his experience, he is familiar with many local and state code enforcement officials. His experience and knowledge are valuable resources to Miller's complete assessment process.

### **Profile**

#### **Design of Electrical Systems**

- Facilities and Project Evaluation
- Management of Project Observations
- Field Observations and Issue Resolutions
- Code Research

### **PROFESSIONAL HIGHLIGHTS**

- Board Member of the WV Code Officials
- Founder and Secretary of the West Virginia Division of the International Association of Electrical Inspectors
- IAEI Ohio Chapter – Membership Chair

### **Professional History**

2010- Present	Miller Engineering, Inc.	Code Professional
1999-2010	Megco Inspections	Chief Inspector
1972-1998	Jaminson Electrical Construction	Electrician
1971-1972	General Electric	inside Sales Engineer

### **Education**

1971 Fairmont State College, BS-Engineering Technology-Electronics

### **LICENSES/CERTIFICATIONS**

- Master Code Professional
- ICC Commercial Building, Building Plans, Commercial Plumbing, Residential Energy, and Accessibility Inspector/Examiner
- IAEI Master Electrical Inspector
- Certified WV Home Inspector
- Class C Electrical Inspector – WV, PA, MD, & OH
- WV Master Electricians License
- NCECC-1A, 2A, 4A, & 5A: 1 & 2 Family Dwelling
- NCECC-2B, 2C, 4B, 4C: Electrical & Mechanical General/Plan Review
- OSHA 30 Hour Course: General Industry
- NFPA Code Making Panel 14 – NEC 2014 Edition





## CTL RESUMES

**Patrick Gallagher, PE, CPGS, PS** | President/Geotechnical Engineer

### SUMMARY

Mr. Gallagher serves as President of CTL Engineering of West Virginia, Inc. Projects successfully completed under Mr. Gallagher's direction include: Civil Site Design, Foundation Design, Storm Water Management, Waste Water Design, Roadway design, Parking Lot Design, Geotechnical Investigations & Design, Site Stability Analyses, Mine Subsidence Evaluations, Failure Investigations and Environmental Investigations and Permitting.

Prior to joining CTL Engineering, Mr. Gallagher was the chief of the Abandoned Mine Reclamation Program for the State of Maryland, Department of Natural Resources, and Bureau of Mines. In addition, he was also responsible for overall engineering/geologic support to the Maryland Bureau of Mines Program.

### PROFESSIONAL HIGHLIGHTS

#### Mine Related/Transportation Projects

- Morgantown Anderson Highwalls, AML Reclamation Design, Morgantown, WV
- Schramm, Gordon, East Franklin Landslide, AML Reclamation, MD
- Fairmont Subsidence, AML Reclamation & Geotechnical Services, Fairmont, WV
- Ottawa State Route 2 Mine Subsidence, Geotechnical/Grouting Plan, Ottawa County, OH
- Douglas Avenue Landslide, AML Reclamation/Geotechnical/Hydrologic, Allegany County, MD
- I-81 Martinsburg to Marlowe Interchange, Design Build, Martinsburg, Jefferson County, WV
- Terra Haute Airport, AML Reclamation/Subsidence, Grout Stabilization/Geotechnical, Indiana
- Emerson Avenue, Slope Stabilization Investigation & Design, Wood County, West Virginia
- Charles Point Roadway Cut Evaluation, Geotechnical Services, Bridgeport, WV

#### Geotechnical Projects

- University Place, Site/Civil/Geotechnical/Environmental, Morgantown, WV
- Ambulatory Care Center, Geotechnical Services, Morgantown, WV
- Schramm – Gordon – East Franklin Landslides, AML Reclamation, Allegany County, MD





## CTL RESUMES

**Patrick Gallagher, PE, CPGS, PS** | President

### PROFESSIONAL HIGHLIGHTS

- Douglas Avenue Stormwater System, Geotechnical/ Hydrologic, Allegany County, MD
- Fairmont Subsidence, AML Reclamation / Geotechnical, Fairmont, Marion County, WV
- Parkview Heights Retaining Wall Bridgeport, Geotechnical, Harrison County, WV
- Huff Consolidated School, Geotechnical Services, Wyoming County, WV
- Lower Consol Road Subsidence, Subsurface Mine Investigation/Geotechnical, MD

### Other Miscellaneous Project Experience

- Primary & Secondary Education
- Healthcare
- Building Development

### EDUCATION

B.S., Civil Engineering, 1975  
Virginia Polytechnic Institute and State University  
Blacksburg, VA

B.S., Geology, 1975  
Virginia Polytechnic Institute and State University  
Blacksburg, VA

### QUALIFICATIONS

- Registered Professional Engineer
  - Ohio, [REDACTED]; Maryland, [REDACTED] West Virginia, [REDACTED] Pennsylvania, [REDACTED] Wyoming, [REDACTED] North Carolina, [REDACTED] Kentucky, [REDACTED]
- Certified Professional Geologist Scientist, [REDACTED]
- Professional Surveyor, WV
- Adjunct Professor, Civil Engineering, Fairmont State College

733 Fairmont Road  
Morgantown, WV 26505  
304.292.1135 (phone) • 304.296.9302 (fax)  
www.ctleng.com

### Contact

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304.292.1135 (office)  
304.282.7847 (cell)  
pgallagher@ctleng.com



## CTL RESUMES

**James P. Gowarty, Jr.** | Quality Control Manager

### SUMMARY

As the Construction Services Manager for CTL Engineering of West Virginia Inc., Mr. Gowarty is responsible for supervising field and laboratory technicians. He is also responsible for report writing for field and laboratory testing, project management, client contact, estimating, proposals and invoicing for the Construction Services Department. Mr. Gowarty's experience also includes surveying, pre-mining and pre-blast surveys, field supervision of drilling crews, Phase I Environmental Site Assessments and radiation safety officer and corporate safety officer. In addition, Mr. Gowarty is the Construction Materials Testing Supervisor, providing concrete, compaction, and aggregate testing and has over 20 years of experience with Nuclear Gauge Operation. For this project, he will be responsible for ensuring that all workmanship, materials, inspections and testing are in compliance with contract requirements.

### PROFESSIONAL HIGHLIGHTS

#### Transportation Projects


- Mileground Roundabout, Construction Services, Morgantown, WV
- Fairmont Airport, Various Services, Fairmont, WV
- Benedum Airport, Geotechnical/Construction Services, Bridgeport, WV
- I-81 Martinsburg to Marlowe Interchange, Design Build, Martinsburg, WV
- Jackson County Airport, Construction Services, Ravenswood, WV

#### Energy Projects

- Harrison Step II, Construction Monitoring, Haywood, WV
- Leer Mine Complex, Construction Services, Grafton, WV
- Tunnel Ridge Coal, Construction Services, Wellsburg, WV
- Refuse Testing; Testing Services, Wellsburg, WV
- Harrison Power Station CCB Landfill Phase V Step III; Construction Services, Haywood, WV

#### Miscellaneous Projects

- Bridgeport Burger King, Evaluation, Bridgeport, WV
- Farmington 218 Culvert Design, Various Services, Farmington, WV
- Charles Point Storm Water Ponds, Testing Services, Bridgeport, WV
- Wheeling Landfill, Various Services, Wheeling, WV



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## CTL RESUMES

**James P. Gowarty, Jr.** | Quality Control Manager

### PROFESSIONAL HIGHLIGHTS

#### Other Miscellaneous Project Experience

- Building Development
- Primary & Secondary Education
- Higher Education
- Hospitals
- Municipal Infrastructure

### EDUCATION

B.S., Civil Engineering Technology, 1990  
Fairmont State College; Fairmont, West Virginia  
A.S., Mechanical Engineering Technology, 1990  
Fairmont State College; Fairmont, West Virginia

### SAFETY TRAINING

- Radiation Safety Training, CPN Corporations
- Radiation Safety Officer Training, Troxler Electronics
- Principals of Fire Protection, Fairmont State University
- Certified Forklift Trainer, Brickstreet Insurance
- Drug Free Workplace Employee Trainer, Working Partners
- Drug Free Workplace Supervisor Trainer, Working Partners
- OSHA 10 hr Construction Safety and Health

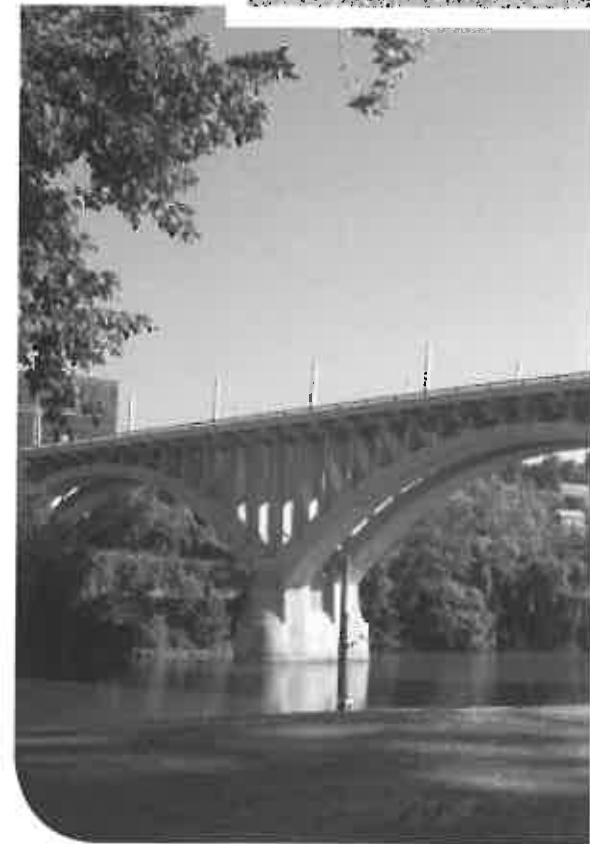
### OTHER QUALIFICATIONS

- Transportation Engineering Technician Level 5 (TRET Level 5)
- West Virginia DOT Certified Compaction Technician
- West Virginia DOT Certified Bituminous Concrete Technician
- West Virginia DOT Certified Portland Cement Concrete Technician
- West Virginia DOT Certified Aggregate Sampler
- Bridgmont Level V (TRET)
- NICET Level III Asphalt & Concrete
- NICET Level II Soils
- Certified Dipfloor Profiler Operator, Face Company

### Contact

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## CTL RESUMES

**Tim Darrah** | Lead Environmental Manager

### SUMMARY

Mr. Darrah serves as the manager of the Civil Site and Surveying Departments at CTL Engineering, WV. Civil site design and surveying projects including topographic, property and construction layout. Mr. Darrah also serves as project manager on various types of civil engineering projects including residential and commercial developments and reclamation design projects. Office work includes site designs, hydrology calculations, quantity calculations, and various other forms of engineering related duties.

Mr. Darrah has vast experience with design, installation and monitoring of surface and subsurface geotechnical monitoring instruments for multiple types of projects including: Ohio Mine Subsidence Insurance Underwriting Association, Federal and State Locks and Dams, Power Stations, Commercial and Residential Buildings, Dwellings, Civil Site Developments, Bridges, Conveyor Systems, Retaining Walls, Highways, WV BRIM (Subsidence Insurance), Underground and Aerial Utilities

### PROFESSIONAL HIGHLIGHTS

#### Mine Related Projects

- Morgantown Anderson Portals & Highwall, AML Reclamation Design, Morgantown, WV
- Hopewell Church Refuse & AMD, AML Reclamation, Preston County, WV
- Fairmont (Jackson Addition) Subsidence Project, AML Reclamation, Subsidence Investigation & Geotechnical, Marion County, WV
- Shinns Run Portals & AMD, AML Reclamation, Harrison County, WV
- Ream Refuse Piles, AML Reclamation, Mine Refuse & Fire Abatement, McDowell County, WV
- Cheat Neck (Lenhart) Landslide, Geotechnical Services & Hydrologic Evaluation, Monongalia County, WV
- St. Clair Portals, AML Reclamation & Various Services, Monongalia County, WV
- Morning Star Baptist Church Subsidence, Subsidence Investigation & Mitigation, Marion County, WV
- Fairmont United Methodist Church, Subsidence Investigation & Mitigation, Fairmont, WV
- Eccles and MacArthur Subsidence, Subsidence Investigation & Mitigation, Raleigh County, WV
- Oakland PSD, Feasibility Study, Hancock County, WV
- Peninsula Highwalls, AML Reclamation, Hydrologic & Geotechnical Services, Monongalia County, WV



## CTL RESUMES

**Tim Darrah** | Lead Environmental Manager

### PROFESSIONAL HIGHLIGHTS

#### Geotechnical Projects

- First Energy Harrison Power Station, CCB Landfill Phase V Step III, Harrison County, WV
- Genpower: Longview Power Plant, Overland Conveyor Permitting, Monongalia County, WV
- Conveyor Grading Redesign, Surveying Services, Monongalia County, WV
- Longview Power Plant Coresco Permitting, Permitting Services, Monongalia County, WV
- Fort Martin Power Station Chimney, Various Services. Monongalia County, WV

#### Other Miscellaneous Project Experience

- Primary & Secondary Education
- Healthcare
- Building Development
- Municipal Infrastructure

### EDUCATION

B.S., Civil Engineering Technology, 1988  
Fairmont State College, Fairmont, West Virginia

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### Contact

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