

Expression of Interest
West Virginia Rehabilitation Center
GSD 116409

Section 1	Expression of Interest
Section 2	Firm & Team Qualifications
Section 3	Representative Projects
Section 4	Project Organization

RECEIVED
2010 SEP 15 PM 12:08
WV PURCHASING
DIVISION

September 14, 2010

Department of Administration
General Services
Building 1 Room MB60
1900 Kanawha Boulevard East
Charleston, WV 25305

Re: WV Rehabilitation Center Renovations

Dear Sirs,

It is with pleasure and anticipation that Paul D. Marshall Architects and Engineers (PDMAE) submits this expression of interest to provide architectural and engineering services for the renovations of the West Virginia Rehabilitation Center.

PDMAE has a long history of successful renovations to existing buildings. When existing building are renovated and reused resources are saved and costs over new construction can be less.

Improvement of existing mechanical and electrical system, especially lighting and HAC System, with new technologies will save energy by improved efficiency. PDMAE with Appalachian Design Group has provided analysis and efficiency redesign on a number of projects, and are currently providing an energy audit for the Clay County Commission Offices Building in Clay, WV.

Our extensive experience, which dates back to the early 1970's, includes numerous projects of adaptive reuse of existing buildings. Whether historic or non-historic our existing built environments have the potential for continued viable use. Through careful evaluation and effective space planning existing buildings can provide efficient, energy conscious environments for new occupancies.

PDMAE has combined services with Triad Engineering on a number of projects both large and small. Triad's vast experience in site planning will be extremely beneficial for the WV Rehabilitation Center.

PDMAE together with Appalachian Design group and Triad Engineering will provide for the WV Rehabilitation Center the most comprehensive evaluation and adaptive reuse design for this expansive facility. We look forward to being a part of this exciting and challenging project.

Sincerely,



David M. Marshall, President



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

Request for Quotation

RFQ NUMBER
 GSD116409

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 304-558-2596

VENDOR

*709044920 304-342-0300
 PAUL D MARSHALL ARCHITECTS & E
 305 WASHINGTON ST W
 CHARLESTON WV 25302

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

DATE PRINTED 08/19/2010	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
----------------------------	---------------	----------	--------	---------------

BID OPENING DATE: 09/15/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
A&E SERVICES: WV REHAB CENTER RENOVATIONS						
EXPRESSION OF INTEREST (EOI)						
<p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTUAL AND ENGINEERING SERVICES FOR RENOVATIONS TO THE WEST VIRGINIA REHABILITATION CENTER LOCATED AT INSTITUTE, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTION SUBMISSIONS IS 08/31/2010 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>EXHIBIT 10</p> <p style="text-align: right;">REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-343-5310	DATE 14 SEPT. 2010
TITLE PRESIDENT	FEIN 800065213	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
 GSD116409

PAGE
 2

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 304-558-2596

VENDOR

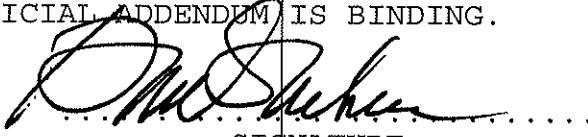
*709044920 304-342-0300
 PAUL D MARSHALL ARCHITECTS & E
 305 WASHINGTON ST W
 CHARLESTON WV 25302

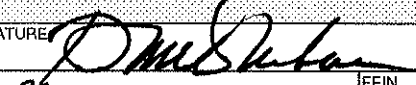
SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/19/2010				

BID OPENING DATE: 09/15/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO. S:</p> <p>NO. 1 ✓</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF EOIS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: right;">  SIGNATURE PAUL D. MARSHALL Arch. # Eng. COMPANY 14 SEPTEMBER 2010 DATE </p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
	304-343-5310	14 SEPT. 2010	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
PRESIDENT	800065213		

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



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

Request for Quotation

RFQ NUMBER
GSD116409

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF
KRISTA FERRELL 304-558-2596

VENDOR

*709044920 304-342-0300
 PAUL D MARSHALL ARCHITECTS & E
 305 WASHINGTON ST W
 CHARLESTON WV 25302

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/19/2010				

BID OPENING DATE: 09/15/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE EOI.</p> <p>REV. 09/21/2009</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>EOI. NO.: GSD116409</p> <p>EOI OPENING DATE: 09/15/2010</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Dan Siskin</i>	TELEPHONE 304-343-5310	DATE 14 SEPT. 2010
TITLE PRESIDENT	FEIN 800065213	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
 GSD116409

PAGE
 4

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 804-558-2596

VENDOR

*709044920 304-342-0300
 PAUL D MARSHALL ARCHITECTS & E
 305 WASHINGTON ST W
 CHARLESTON WV 25302

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/19/2010				

BID OPENING DATE: 09/15/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
EOI OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI: ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- ***** THIS IS THE END OF RFQ GSD116409 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Paul Marshall</i>	TELEPHONE 304-343-5310	DATE 14 SEPT. 2010
TITLE PRESIDENT	FEIN 800065213	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
 GSD116409

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 KRISTA FERRELL
 304-558-2596

VENDOR
 *709044920 304-342-0300
 PAUL D MARSHALL ARCHITECTS & E
 305 WASHINGTON ST W
 CHARLESTON WV 25302

SHIP TO
 DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES
 BUILDING 1 ROOM MB60
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0123 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/07/2010				

BID OPENING DATE: 09/15/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				THIS ADDENDUM IS ISSUED TO:		
				1.) PROVIDE ANSWERS TO ALL TECHNICAL QUESTIONS SUBMITTED IN ACCORDANCE WITH THE PROVISIONS OF THE ORIGINAL EXPRESSION OF INTEREST (GSD116409), AND		
				2.) ADD BUILDING LAYOUT DRAWING		
				EOI OPENING DATE REMAINS: 09/15/2010		
				EOI OPENING TIME REMAINS: 1:30 PM		
				***** END ADDENDUM NO. 1 *****		
0001	1	LS		906-07		
				A&E SERVICES: WV REHAB CENTER RENOVATIONS		
				***** THIS IS THE END OF RFQ GSD116409 ***** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Paul D Marshall* TELEPHONE: 304-343-5310 DATE: 14 SEPT. 2010
 TITLE: PRESIDENT FEIN: 800065213 ADDRESS CHANGES TO BE NOTED ABOVE

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

Firm / Team Qualifications

The project team has the personnel and expertise to provide all architectural and engineering services for the entire rehabilitation and renovation of the WV Rehabilitation Center as outlined.

All design work will meet or exceed all State, Local and Federal codes, ordinances or agency requirements. This includes all requirements of ADA and Life Safety.

All work product (drawings, cad files, etc) will become property of the State for future use on these facilities.

Project Team

Paul D. Marshall Architects & Engineers
305 Washington Street West
Charleston, WV 25302
(304) 343-5310
Main Contact Email: jloaks@yahoo.com

David M. Marshall, Architect
John Oaks, Architectural Technician

Appalachian Design Group
Box 126
Clay, WV 25043

Brent Spradling, President
Mike Ramsey, PE

Triad Engineering
4980 Teays Valley Road
Scott Depot, WV 25560

Joseph Young, ASLA
L. Lee McCoy, Jr., P.E.
Jack E. Ramsey, P.E.
Earnest M. McCarty Jr., (*Mack*), P.S.
Steven A. Clark, P.S.



COMPANY OVERVIEW

Paul D. Marshall Architects & Engineers, Inc.

Mr. Paul D. Marshall AIA, founded the firm Paul D. Marshall & Associates, in 1972. For thirty-seven years, the firm has enjoyed a celebrated history leading up to the retirement of Mr. Marshall in 2003 and the subsequent sale of the firm in the same year. The firm was restructured and renamed Paul D. Marshall Architects & Engineers, Inc. Mr. Marshall serves as President Emeritus of the firm and assumes an active and vital role as a consultant on many of the firm's projects.

Paul D. Marshall Architects & Engineers, Inc., remains a leading regional architectural firm, specializing in the same market sectors to which the original firm gained its credibility and recognition. These markets include, but are not limited to: Premier primary and resort residences, commercial design, adaptive re-use of existing buildings & properties and historic restoration, preservation and renovation projects.

Paul D. Marshall Architects & Engineers, Inc., employs a knowledgeable staff of degreed professionals with a credible record of notable accomplishments. Since the firm's inception in 1972, the firm has completed over 600 projects ranging in complexity from simple residential additions, to multi-million dollar private and commercial ventures. These market sectors include:

Commercial developers & property owners
Residential developers & property owners
Local & national corporations
Non-profit organizations

Local & national retail businesses
Colleges & Universities
City, county, state & federal agencies
Religious establishments

Our Mission

Paul D. Marshall Architects & Engineers, Inc., is committed to providing its clients with unsurpassed personal service and an array of essential architectural, engineering and consultative services that meet and exceed the client's expectations. These areas of focus include:

Site Planning
Land use planning
Historic tax credit evaluations
Historic register nominations
Cultural resource management
Code compliance

Historic preservation, restoration & renovation
Interior space planning
Architectural design services
Engineering services



Originally incorporated to serve the previous WV board of regents with small renovation projects and critical corrective actions, our firm remains as an important resource for higher education. The Appalachian Design Group, Inc. has provided engineering and architectural services directly to WV State government agencies and Federal agencies within WV, for 23 years. During that period, our firm has supported the firm of Paul D. Marshall Architects and Engineers with engineering and other technical services.

Highly motivated and highly automated, we maintain coordination offices in Logan, WV, and staff various support offices as convenient throughout the state, close to our major projects. All of our professionals are local, and we are supported by local staff and services. Our firm has, since incorporation, worked toward a dedicated customer base, and have developed our offerings to match our customers' needs, including architectural, electrical/mechanical, infrastructure, communications and data, life safety, and surveillance.

At the invitation of Paul D. Marshall Architects and Engineers personnel, Appalachian Design Group, Inc. became their parent organization, providing economical engineering services and important operational resources from our Charleston, WV offices at 305 West Washington Street.

Our PDMAE Division remains a leading regional architectural firm, specializing in commercial design, premier primary and resort residences, adaptive re-use, of existing buildings and properties, historic restoration, preservation, and renovation projects.

PDMAE employs a knowledgeable staff of degreed professionals with a credible record of notable accomplishments. Since the firm's inception in 1972, the firm has completed over 400 projects ranging in complexity from simple residential additions, to multi-million dollar private and commercial ventures. These market sectors include:

Commercial developers & property owners
Residential developers & property owners
Local & national corporations
Non-profit organizations

Local & national retail businesses
Colleges and universities
City, county, state & federal agencies
Religious establishments

Company Background

TRIAD ENGINEERING, INCORPORATED (TRIAD) is a regional consulting firm based in West Virginia that provides professional services in the areas of civil, environmental, mining, geotechnical and chemical engineering; site assessment; planning and landscape architecture; geology and hydrogeology; surveying and mapping; construction inspection; and, related services. Our firm has provided services on many thousands of projects of varying size and complexity since its founding in Morgantown, West Virginia in 1975. A significant number of these services are provided in the areas of commercial developers, industrial facilities, manufacturers, mining companies, waste management companies, governmental agencies, contractors, and architects.

Through our 35 years of service in West Virginia and surrounding states, both the number and complexity of these projects have grown. Our clients include Federal and State governmental agencies, mining and industrial corporations, contractors, architects, engineers, attorneys, developers, and commercial organizations.

TRIAD was founded in 1975 in Morgantown, West Virginia by three civil engineers from West Virginia University. A second office was opened in Charleston, West Virginia in 1979 and later relocated to our present St. Albans, West Virginia location. TRIAD expanded into the northern Virginia area beginning in 1989 with an office in Winchester Virginia, and began operations in Pennsylvania in 1990 with a full-service office in Greensburg. Most recently, TRIAD has opened offices in Hagerstown, Maryland and Ashburn, Virginia.

Facilities and equipment available to support our staff have grown substantially during the past 35 years. Each of our offices contains computer facilities that are utilized for hydrogeologic evaluations, risk assessment, stability analyses, survey data reduction, mapping and site design. Our computer based drafting and reproduction facilities are used to develop detailed site plans (monochrome or color), construction details, and other graphic documentation as required for our projects. Our fleet of drilling rigs and support vehicles are based at our West Virginia and Virginia offices and are maintained in-house to meet the needs of our engineering and site assessment projects. Well equipped, modern state-of-the-art materials testing laboratories are maintained at most of our offices to support our engineering and construction related projects. Our offices also utilize both standard 35-mm photography and digital cameras to photo-document our projects.

TRIAD currently includes a staff of more than 200 personnel located in six offices. Our personnel include chemical, civil, environmental, geotechnical and mining engineers, as well as geologists and hydrogeologists, biologists, chemists, environmental scientists, planners, landscape architects, natural resource specialists, regulatory compliance specialists, permitting engineers, risk assessors and health and safety specialists. Our technical support and administrative staff includes designers, draftsmen, surveyors, technicians, drillers, construction inspectors and clerical personnel. Most of our professional and technical staff have been with the company for many years. We pride ourselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by TRIAD.



DAVID M. MARSHALL, AIA
President, Principal Architect
Paul D. Marshall, Architects and Engineers Inc.

B.S., Construction Management, West Virginia State College, 1975
Registered Architect, West Virginia, #2377, 1989

David M. Marshall, AIA, served in several key positions at PDM Associates, Inc. since joining the firm in 1987. Since December 1998, he served as President and Project Architect, serving as Lead Architect on PDM Associates' projects and manages the day-to-day operations of the company.

Mr. Marshall first joined PDM Associates in 1979. His initial responsibilities included design, design development, working drawings, cartography, and contract administration for the firm's projects. In 1982, he was appointed by the Mayor of Charleston, West Virginia to serve as Building Commissioner for the City. As such, he supervised major commercial developments such as the Charleston Town Center, Laidley Tower, United Bank Center, and major residential developments. He also fulfilled the duties of office manager, building inspection coordinator, and administrative consultant.

After his tenure with the City ended, Mr. Marshall rejoined PDM Associates in 1987 and resumed his responsibilities of design, design development, cartography, working drawings, contract administration. He has remained with the firm ever since.

Mr. Marshall is a member of the American Institute of Architects, Building Officials and Code Administrators International (BOCA), the American Institute of Architects Historic Resources Committee, the Kanawha Valley Historical Society, the East-End Historic District Review Board, and the West Virginia State Capitol Building Commission. He serves as Architectural Advisor of the Charleston Urban Renewal Authority's Village District Review Board.

His project experience includes:

- West Virginia Southern Community and Technical College, Allied Health and Technology Center, Logan, WV. A five-story lab and classroom building scheduled for construction in 2005.
- Capitol Market, Smith St., Charleston, WV. A circa 1915 railroad depot adapt ably re-used and restored for use as a farmer's market facility for the WV Department of Agriculture.
- Shoenbaum Family Enrichment Center, Charleston, WV. A circa 1940 heavy equipment sales and service facility in the art deco style adapt ably re-used as a human services facility.
- Restoration and adaptive use of the Arthurdale Community Center in Arthurdale, WV.



PROFESSIONAL PROFILE

- Marlinton Opera House (1902), Marlinton, WV. Restoration of concrete and wood opera house for the Pocohontas County Historical Society.
- Design of a new South Plaza for the West Virginia State Capitol Building in Charleston, WV as originally conceived by master architect Cass Gilbert.
- Feasibility study of adaptive use of Sunrise Mansion, the historic home of former Governor William MacCorkle, in Charleston, WV.
- Restoration and adaptation of Capitol Farmer's Market, early-twentieth-century railway freight depot, for use as an indoor specialty market on behalf of the City of Charleston, WV. The project also entailed the conversion of the railroad yard into an outdoor farmer's market with customer parking.
- Putnam/Hauser House, Blennerhassett Island State Park, WV. Relocation of eighteenth-century, original homestead of the Putnam family to Blennerhassett Island, where it has been preserved as an interpretive historic site.
- McFarland/Hubbard House, Charleston, WV. Consulting services—including production of measured drawings—for adaptive-use feasibility study of historic 1834 house.
- Charleston Municipal Auditorium, Charleston, WV. National Register of Historic Places nomination for 1939, art-deco performing hall for Kanawha Valley Historical & Preservation Society.
- West Virginia Governor's Mansion, Charleston, WV. Design of retrofit railing for 1928 governor's mansion originally designed by architect Walter F. Martens.



JOHN L. OAKS
Corporate Director
Architectural Technician

**Associate Degree, Drafting and Design Engineering Technology,
West Virginia University Institute of Technology, 1997**

John Oaks is Paul D. Marshall Architects & Engineers' expert computer draftsman. He is proficient in state-of-the-art, three-dimensional rendering, graphic design, and presentation design. He is responsible for total project production for Paul D. Marshall Architects & Engineers, an architectural firm specializing in historic restoration and renovation, as well as adaptive re-use of existing structures.

Mr. Oaks joined Paul D. Marshall Architects & Engineers in 1997. Before joining the architectural firm, he worked as a tutor at West Virginia University Institute of Technology in Montgomery, West Virginia, where he earned his Associate's Degree in drafting and design-engineering technology. Before enrolling at WVU Tech, he was employed as a carpenter.

His project experience at PDMAE includes the following:

- West Virginia Southern Community and Technical College, allied health and technology center, Logan, WV. A five-story lab and classroom building scheduled for construction in 2005.
- A New Residential Community for Roaring River Development. Amenities to include community design guidelines, grand lodge with indoor/outdoor pool, base camp, entrance gates, mail pavilions, observation platforms, and new residences.
- A New Residence for the Greenbrier Sporting Club. Design and site development at the Summit Village community for the Allegheny Group.
- Capitol Market, Smith St., Charleston, WV. A circa 1915 railroad depot adapt ably re-used and restored for use as a farmer's market facility for the WV Department of Agriculture.
- Shoenbaum Family Enrichment Center, Charleston, WV. A circa 1940 heavy equipment sales and service facility in the art deco style adapt ably re-used as a human services facility.
- Sunrise, Charleston, WV. A circa 1905 mansion, the former home to Governor MacCorkle, it has been restored and re-used as a law office.
- The Governor's Mansion, State Capitol Complex, Charleston, WV. A renovation and restoration of West Virginia's state residence involving all new infrastructure, interior renovations and restorations, new slate roofing, etc.
- The Arcade, Charleston, WV. For McCabe-Henley developers, an in-depth historical survey and physical documentation of two-story, nineteenth-century, glass-roofed arcade building in downtown Charleston.
- The Kanawha Hotel, Charleston, WV. For McCabe-Henley developers, a historical survey and existing conditions report of an early twentieth-century downtown hotel building.



PROFESSIONAL PROFILE

- Putnam/Hauser House, Blennerhassett Island State Park, WV. Relocation of eighteenth-century, original homestead of the Putnam family to Blennerhassett Island, where it has been preserved as an interpretive historic site.
- Ironton Catholic Churches, Ironton, OH. Consulting services for facade restoration of two early-twentieth-century churches and a high school building, with a restoration plan report.
- Thomas Jefferson, Jr. High School (original Charleston High School), Charleston, WV. Renovation and adaptive use of 1920s high school building for apartments and condominiums.
- Hughes River Presbyterian Church, Cairo, WV. Consulting for repairs to floor structure of 1870s wood church building
- McCrory's Building, Charleston, WV. Restoration and adaptive use of 1920s, terra-cotta façade in downtown Charleston.
- McFarland/Hubbard House, Charleston, WV. Consulting services—including production of measured drawings—for adaptive-use feasibility study of historic 1834 house.
- McFarland/Hubbard House, Charleston, WV. Stabilization and restoration of 1834 house for West Virginia Humanities Council.
- Coyle & Richardson Building, Charleston, WV. Comprehensive restoration and renovation of 1907 Coyle and Richardson dry goods store and offices built in the classical-formalism style. Facilities now serve as the corporate offices of AMFM Corporation.
- Charleston Municipal Auditorium, Charleston, WV. National Register of Historic Places nomination for 1939, art-deco performing hall for Kanawha Valley Historical & Preservation Society.
- West Virginia Governor's Mansion, Charleston, WV. Design of retrofit railing for 1928 governor's mansion originally designed by architect Walter F. Martens.
- Ort Building, Charleston, WV. National Register of Historic Places nomination for 1898 brick commercial building to become offices for PDM Associates.
- Maple Terrace, Charleston, WV. Renovation and restoration of 12 early-twentieth-century townhouses and an apartment building to serve as single-family residences.
- L&S Building, Charleston, WV. Restoration of façade of 1903, Italianate-style Loenstein Hardware Building to house the law offices of Flagherthy, Sensibaugh & Bonasso.
- Scott Brothers Drug Store, Charleston, WV. Restoration and renovation of 1896 Victorian building to house the law firm of Bailey and Glasser.



MR. KYLE BRENT SPRADLING

Chief Executive Officer

University of Charleston, BA Fine Arts, Military Training at The University of Illinois, Champagne-Urbana, in Meteorology.

Mr. Spradling has 35 years of experience in design and construction coordination.

Began work experience with US Air Force as a military weather observer, resources research for Pond Fork Oil and Gas Co., then later as project coordination for Irving Bowman and Associates/ Walter Gropius with WV State Park development.

Project coordination for WV State and Federal projects for Appalachian Engineers, Inc. including WV State Capitol renovations for air conditioning, electrical and communications upgrading, and structural corrections to the Dome area. Later work for A/E Associates, Inc. included US Post Offices renovation projects, assistance with emergency infrastructure construction after the Buffalo Creek disaster, and adaptive uses for strip mine reclamation, which included the basics for the original strip mining permit resulting in creation of the Logan, WV Airport.

An original founder of the Appalachian Design Group, Inc., in March of 1984, coordinating correctional and developmental work for State owned facilities, historical landmarks, colleges and universities.

Mr. Spradling became Chief Executive Officer of Paul D. Marshall Architects and Engineers, Inc. upon the combination of resources with Appalachian Design Group, Inc., in January of 2007. He continues to provide training and consulting services for fringe technologies which are important to our completion of special projects such as: Archival Research, Solid State Lighting, Communications and Data Distribution, High Definition Aerial Imaging & Reconnaissance, and coordination of special needs requests from our clients.

Representative Projects:

(Projects marked "*" were performed as design consultants to Paul D. Marshall Architects and Engineers, Inc.)

* Carriage House Historical Adaptive Restoration, Fairmont, WV - Air conditioning, heating, and electrical upgrade and restoration of an historic structure to be utilized as a community center.

* Master Plan for Charleston, WV Downtown Renaissance - Design of period street lighting, power distribution, and utilities relocations. In addition to the original Downtown Renaissance, provided the same infrastructure services for several later phases of the "Streetscape" improvements for Charleston, including the section from the State Capitol, down Washington Street.

Potomac State College of WVU, Keyser, WV - Corrective design and retrofit of campus lighting system. This project was a rescue of a failed owner-designed and bid installation.

Town of Keyser, WV, Town of Buckhannon, WV, and Town of Marlinton, WV - Streetscape lighting, lighting power systems, and utilities relocations for the local Mainstreet programs.

Reynolds Hall, Potomac State College, Keyser, WV - Air conditioning, heating, and electrical entrance retrofit for historical structure. Project included installation of new telecommunications and entertainment infrastructure.



PROFESSIONAL PROFILE

* Putnam-Houser House Restoration, Blennerhassett Island, Parkersburg, WV - Design of hidden air conditioning and heating systems for preservation of historical structure.

* Graceland Mansion Historical Adaptive Restoration, Elkins, WV - Air conditioning, heating, electrical, communications and entertainment systems upgrade of an historical structure for use as a full service hotel and restaurant.

* Robert C. Byrd Conference Center, Elkins, WV - Complete remodeling of an unused residence hall to modern hospitality standards, including addition of conference rooms, adjacent to the historic Graceland Mansion.

WVU, Design of Concealed Multi-Campus Student TV Cable Entertainment System, Morgantown, WV - Design and field supervision of installation of a totally concealed TV cable system serving residence halls, and other selected university buildings on both Downtown and Evansdale campuses. Project includes a concealed earth station, laser-driven fiber optic distribution to buildings on both campuses, and includes 74 basic channels plus 12 premium movie channels for student resident use. Nearly half of the buildings receiving the installation on the Downtown Morgantown Campus are of historical status. System installation contained spare capacity for HDTV, data distribution, telecommunication, and surveillance capabilities.

WVU Byrd Collection Area Colson Hall, Morgantown, WV - investigation and correction for moisture problems destroying the collection, included corrective design and supervised fabrication and installation of corrections by Owner's employees. This was a sensitive project, both in terms of the historical status of Colson Hall, and the historical content of the area.

WVU Silo instability and boiler house corrective modifications, Downtown Morgantown Campus, WV

Pinecrest State Hospital, New Campus High Voltage Distribution, Beckley, WV - Phased replacement of antiquated high voltage campus distribution with a new system serving buildings, with new installations of unit substation transformers and entrances for each building on a phased and budgeted basis.

* St George Greek Orthodox Church Sanctuary Expansion, Charleston, WV - Design of hidden air conditioning and heating to exceed quiet recording studio sound requirements for an exquisite restoration of an historic sanctuary. This project included electrical service upgrading, along with additions to other parts of the church complex.

WVU Institute of Technology Campus Wide Telecommunications System, Montgomery, WV - Complete new installation of a telecommunications system in all campus buildings. This investigative and resulting construction project was entirely financed with savings in service costs, with a large ongoing resultant net savings to the institution. This project was financed through leased construction.

WV higher Education Policy Commission, Charleston, WV - On site assistance at Glenville State College for quality control for campus-wide physical plant inventory.

West Virginia State University, Institute, WV - Provided quick response aerial photography for campus and surrounding area mapping program for use in master planning and expansion of the University



MICHAEL A. RAMSEY, P.E.
Corporate Director

Registered Engineer, West Virginia # 8139, 1979
B.A.S. Architectural Engineering Technology, 1971, Bluefield State College
A.S. Architectural Engineering Technology, 1969, Bluefield State College

Michael Ramsey was an original charter member of the incorporation of the Appalachian Design Group, Inc., in 1984, providing mechanical, electrical, plumbing engineering design. Michael now serves as a director for the combined corporate structure of Appalachian Design Group, Inc, which now includes former PDMAE personnel.

Michael has 35 years of design experience in many types of mechanical and electrical projects, including educational, industrial, health care, and commercial facilities.

Michael will be the engineer responsible for any mechanical, electrical or plumbing engineering required for completing assignments through this agreement.

Past projects which Michael Ramsey provided engineering design for Appalachian Design Group, Inc., and PDM Architects and Engineers are:

- Praise Tabernacle, Church of God, in Culloden, WV
- Allied Health and Technology Building, Southern WV Community and Technical College, Logan, WV
- Point Pleasant Museum, Point Pleasant, WV
- Cabin Creek Quiltters' Heating Cooling Design, Malden, WV
- Graceland Mansion Historical Renovation, Elkins, WV
- Robert C. Byrd Conference Center, Elkins, WV
- Potomac State College Residence Halls New Heating and Air Conditioning, Keyser, WV
- Saint George Church Restoration and Addition, Charleston, WV

Steven A. Clark, P.S.
Survey Supervisor

EDUCATION

High School Diploma
Surveying and Mapping Course

East Bank High School, 1972
Carver Career Center, 1972

REGISTRATIONS AND LICENSES

Licensed Professional Surveyor
Certified Black-Hat Coal Miner
Certified 40 Hr HAZWOPER (OSHA 29 CFR 1910.120)

WV, 2003
WV, 1985
OSHA, 2001

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc.,
St. Albans, WV

Survey Supervisor
1999 - Present

Triad Engineering, Inc.,
St. Albans, WV

Party Chief
1991 - 1999

A. D. Whitaker Construction Co.,
Ashland, VA.

Party Chief
06/90 - 9/91

H.A. Durdan & Assoc.,
Jacksonville Beach, FL.

Instrument man/Party Chief
1985 - 1990

PROFESSIONAL ORGANIZATIONS/ASSOCIATIONS

West Virginia Society of Professional Surveyors. Member

CURRENT POSITION RESPONSIBILITIES

Mr. Clark is currently the Survey Supervisor for the St. Albans office of TRIAD. In this capacity, he is responsible for the supervision of the survey crews, overseeing the field work through drafting to the finished product delivered to the client, meeting with clients, and performing field work on large and complex projects. Mr. Clark is experienced in underground surveying, construction layout, boundary and road work surveying, photogrammetric and topographic surveying. Mr. Clark has supervised and/or performed survey work on various types of work including both underground and surface mine surveying for coal mine facilities, site surveys and construction layout for landfill facilities, site surveys and right of way plans for WVDOH highway projects, and site surveys and construction layout for site development projects. Mr. Clark has been involved in survey projects in several states including West Virginia, Florida, Virginia, and Ohio. In his supervisory capacity, Mr. Clark is responsible for schedules, project budgets, and the overall coordination of all survey projects. He works with all levels of engineering staff, the overall project team, and the project owner to produce a quality work product which satisfies all project requirements.

PROJECT EXPERIENCE SUMMARY

Airport Facilities, Various Airports throughout West Virginia

In both the supervisory and surveying role on these projects, Mr. Clark is responsible for the generation of site surveys and property boundary surveys to be used in the planning and design of airport facility expansion and upgrade. These surveys include locating all physical and topographic features, utility locations, storm drainage features, and property boundary lines. He works directly with our Senior Airport Engineer to obtain all necessary survey information required to generate a thorough and accurate existing conditions map. Steve has also supervised and performed construction layout on these projects that require extreme accuracy to meet the needs of the local airport operator and the Federal Aviation Association. Notable airport projects include:

Summersville Airport - Summersville, WV, Wood County Airport - Parkersburg, WV, Tri-State Airport - Cabell County, and Yeager Airport in Charleston, West Virginia.

WVDOH Highway Projects, Various Highway Engineering Consultants

Mr. Clark's expertise includes several WVDOH projects for various highway consulting engineering firms. He is responsible for the generation of site surveys and property boundary surveys to be used in highway planning and design. These surveys include locating all physical and topographic features, utility locations, storm drainage features, and property boundary lines. He is also responsible for supervising and coordinating other necessary work to perform these surveys including courthouse research and interaction with all existing property owners to complete property questionnaires for right of way acquisition. He has also supervised and performed construction layout on highway projects including bridge and structure layout. Some notable highway design projects include: Corridor D - Parkersburg, WV, I-64 Widening - Kanawha County, WV, Veterans Bridge - Clarksburg, WV, and Route 10 Upgrade - Logan County, WV, King Coal Highway - Mercer County, West Virginia. Notable construction layout projects include: Holden Bridge - Logan County, WV, Chelyan Bridge - Kanawha County, WV, Tug River Bridges - Mingo County, WV, Bruno Bridge - Logan County, WV, Robinson Creek Bridge - Boone County, WV, and various small bridge and highway construction projects throughout West Virginia.

Coal Mine Facilities, Various Facilities throughout West Virginia

Mr. Clark's experience on coal mine facilities consists of underground and surface mine surveying. Underground surveying consists of surveying mine projections for the production of coal, and keeping mine entry horizontal and vertical datum current. Surface mine surveying consists of surveying the coal pits for quantity and mapping purposes, mapping of the overburden monthly for coal production ratios, and assorted construction layout, topographic and GPS surveys. Mr. Clark's experience also entails the preparation of yearly state and federal mine maps for underground and surface mines, slurry impoundment dams, monthly quantity surveys of the clean coal stockpiles, and assisting in the mine permitting process. Notable mining companies include Mingo Logan Coal Company- Logan County, and Ashford Coal Company- Boone County.

Abandoned Mine Lands, Statewide Contract, WV

In his role as Chief Surveyor, Mr. Clark is responsible for generating site survey data including all physical and topographic features for various Abandoned Mine Land (AML) projects throughout West Virginia. Various types of AML projects include landslide correction include retaining wall design and site grading and drainage improvements, acid mine drainage collection and neutralization, water line upgrade and extensions, and various projects requiring site regrading and drainage upgrade. Work on these projects also included establishing horizontal and vertical control surveys for aerial photogrammetry mapping, baseline layout, referencing control points, generating check cross sections and site surveys including all physical and topographic features of each unique site.

Retail Development, Construction Surveying

Mr. Clark's experience as a construction layout surveyor includes multiple site design and construction layout projects. Notable projects include the construction layout of the Nitro Market Place retail Center in Nitro, WV, Southridge Retail Center, Charleston, WV, Devonshire Luxury Housing Site, Putman County WV, Ripley Hudson Housing Development, Jackson County, WV, numerous retail restaurants', including

Arby's, Burger King, Wendy's, O'Charley's. Retail stores include Walgreen's, Rite Aid, Wal-Mart, Lowes. Work on these projects included establishing horizontal and vertical control. Staking out the buildings as per the instruction of the Project Superintendent. Laying out drainage, sewage, paving and curbing with grades.

Chemical Plant Facilities, Various Facilities throughout West Virginia

Mr. Clark's experience in the chemical plant environment include construction layout surveying, topographic mapping surveys, quantity surveys, and boundary surveying. Notable chemical companies include Dow Chemical Company, South Charleston, WV, Bayer Crop Science, institute, West Virginia.

Earnest M. McCarty Jr., (Mack), P.S.
Project Manager-Surveying Department

EDUCATION

B.S. Civil Engineering Technology	WV Institute of Technology, 1992
A.S. Surveying Technology	WV Institute of Technology, 1991
A.S. Drafting and Design	WV Institute of Technology, 1991

REGISTRATIONS AND LICENSES

Licensed Professional Surveyor:	West Virginia	(No.1001)
	Pennsylvania	(No.SU057606)
	Tennessee	(No.2140)
	Kentucky	(No.3666)
	Ohio	(No.8443)

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc., St. Albans, WV	Project Manager 2004 - Present
Woolpert LLP, St. Albans, WV	Project Manager 1996 - 2004
Chapman Technical Group, St. Albans, WV	Project Surveyor 1994 - 1996
Pray Construction Company, St. Albans, WV	Project Surveyor 1992 - 1994

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

Society of American Military Engineers-Huntington Post- Currently serving as Post Director and Immediate Past President.
West Virginia Association of Professional Surveyors. Member

CURRENT POSITION RESPONSIBILITIES

Mr. McCarty is currently the Project Manager of the Surveying Department for the St. Albans office of TRIAD. Having managed and completed a wide variety of projects including cadastral boundary surveys, boundary records research, conventional horizontal and vertical control networks, geodetic control surveys, topographic surveys, hydrographic surveys and photogrammetry control surveys. Mr. McCarty has vast experience in the use of modern equipment including total stations, global positioning systems, automatic levels, digital levels and survey grade hydrographic equipment. Mr. McCarty is often called upon by clients for product review, recommendations and implementation in the use of modern equipment. Mr. McCarty is also well versed in the use of many forms of electronic data collection, data processing, and bringing it into drawing multiple CADD platforms for drawing development. Mr. McCarty is trained and proficient in the use of AutoDesk Land Development Desktop, Bentley MicroStation, Trimble Geomatics Office, Trimble Pathfinder Office, C & G Survey Software, Eagle Point, Microsoft Office Package including Word, Excel, Access, Outlook, PowerPoint and Project and the WordPerfect Office Suite of products. Mr. McCarty is also familiar with older surveying equipment, their history of usage, and how they apply when performing modern retracements.

PROJECT EXPERIENCE SUMMARY

Highway Projects

West Virginia Department of Transportation-Division of Highways-Statewide Surveying Services-2004 through 2006

As a Project Manager, oversaw the work being done on an as needed basis for the WVDOT District Two under the statewide agreement. Task for these projects varied from construction stakeout, right of way, cross-sections, control surveys and topographic. Mr. McCarty implemented the use of Trimble equipment on most of these projects making the project files interchangeable with the equipment recently purchased by the DOT. The following is a list of projects worked on under this agreement.

- Coalwood Avenue Bridge Replacement-Logan County
- I-64 Cable Guardrail-Hurricane to Teays Valley-Putnam County
- Yates Crossing Truss Bridge-Cabell County
- Water Street Slide Repair-Cabell County
- I-64 19th Street Overpass-Cabell County
- West Pea Ridge-East Pea Ridge-Cabell County
- I-64 Guyandotte River Overpass-Cabell County
- U.S. 52 Jefferson Avenue Overpass-Cabell County
- Martha Railroad Overpass-Cabell County
- Man Bridge-Logan County
- Paddle Creek Bridge Replacement-Wayne County
- Culloden Railroad Overpass-Cabell County
- Mt. Gay Turning Lane-Logan County
- Railroad Tunnel Overpass-Mingo County
- Williamson Signal Project-Mingo County
- Delbarton Arch Bridge-Mingo County
- Radnor Thru Truss Bridge-Wayne County
- Hubbard's Branch Bridge-Wayne County
- Edgewood Driver Overpass-Wayne County
- Grapevine Creek Bridge Replacement-Mingo County
- Lincoln County Consolidated High School Access Road-Lincoln County
- Trace Fork Pony Truss Bridge-Lincoln County
- Zion Church Bridge Replacement-Mingo County
- Varney Slab Bridge-Mingo County

West Virginia Department of Transportation, Division of Highways, Charleston, WV

Provided Surveying and Design Services on numerous projects from 1994 to Present including:
As a Project Surveyor, provided complete surveying services toward the development of Right of Way and Construction Plans for a 2.5 mile section of Appalachian Corridor L (U.S. Route 19) in Nicholas County. Services included field surveying, right of way, utilities verification and relocation and storm drainage

As a Project Manager, provided surveying and preliminary right of way services toward the development of Right of Way and Construction Plans for numerous highway and bridge projects

for various consultants throughout West Virginia. Services have included field surveying, courthouse research, the completion of right of way questionnaires, utilities verification mapping and right of way parcel stakeout.

Bob Evans Farms, Inc., Columbus, OH

As a Project Manager provided complete services for an ALTA/ACSM Survey of the Bob Evans Restaurants in Huntington, West Virginia and Cannonsburg, Kentucky. Services included field surveying, courthouse research and assessment of the Title Commitment for the subject property.

Abandoned Mine Lands, Statewide Contract, WV

As a Project Manager provided services for topographic mapping and civil design for various Abandoned Mine Land (AML) projects throughout West Virginia. Various types of AML projects include landslide correction include retaining wall design and site grading and drainage improvements, acid mine drainage collection and neutralization, water line upgrade and extensions, and various projects requiring site regrading and drainage upgrade. Work on these projects also included establishing horizontal and vertical control surveys for aerial photogrammetry mapping, baseline layout, referencing control points, generating check cross sections and site surveys including all physical and topographic features of each unique site.

Shanghai Bridge Replacement Project—Berkeley County, West Virginia

Performed a comprehensive site survey for the design of a new bridge over Back Creek on Berkeley County Route 18.

Lee Street Bridge Replacement Project, David Volkert and Associates—Charleston, West Virginia

Oversaw and performed a topographic survey of the Lee Street Bridge over the Elk River. Established both horizontal and vertical control by classical methods.

Appalachian Corridor "L"/Muddelty to Powells Mountain—West Virginia Department of Transportation

Right-of-way, utilities, drainage structures and soil borings, horizontal and vertical control, established monuments for construction. This project was a "fast-track" project with a nine-month turnaround from notice to proceed to the final tracing submittal.

Interstate 64 Bridge over Cabell County Route 13—Milton, West Virginia

Performed a site survey of the existing bridges for the design phase of this project including 3 miles of vertical leveling to establish a benchmark on the site for the construction phase of the project.

U.S. Route 52 Waterline Relocation Project, Welding Inc. - Crum, West Virginia

Performed layout for approximate 4 kilometers of waterline to be laid along the right-of-way line of the new Route 52 outside of Crum, West Virginia. For this project the right-of-way line had to be established from existing control set during the design phase of the highway design.

I-64 Big Sandy Bridge Replacement Project, Mahan Construction Company - Kenova, West Virginia

Performed layout and cross sections on the traffic cross-overs and performed a precise as-built survey of the existing bridge Piers locations to be used in the fabrication of the new girders for the bridges.

USACE Huntington District Section 202 Levisa Fork and Tributaries - Pike County, Kentucky

Horizontal and vertical base control networks. Managed the establishment of a complete

horizontal control base throughout the county consisting of B-1 monuments placed at 4-mile intervals. In addition to the horizontal control, Mr. McCarty oversaw the establishment of a vertical base network throughout the county with a vertical benchmark at half-mile intervals. These control points were then used in various projects relating to the 202 project.

Kentucky FBN Survey Kentucky Department of Highways & National Geodetic Survey - State of Kentucky (Statewide)

Assisted in the Project Setup and Management for this project which included establishing 75 new control monuments and the survey of another 125 existing stations. Observations were taken with twenty units/operators making 5 ½ hour observations on three consecutive days using dual frequency receivers.

USACE Huntington District - Hannibal Locks and Dam at New Martinsville to the Robert C. Byrd Locks and Dam near Gallipolis, Ohio.

Hydrographic Section – Oversaw the completion of cross section lines from bank to bank along a 153 mile stretch of the Ohio River from the Hannibal Locks Dam to the Robert C. Byrd Locks and Dam.

Other hydrographic surveys included:

- ***USACE Susquehanna River Northeastern Pennsylvania*** –125 miles 135 sections.
- ***USACE Alum Creek Lake Delaware County, Ohio*** –Sedimentation volume survey.
- ***USACE Leesville Lake Carroll County, Ohio*** –Sedimentation/volume survey.
- ***USACE Summers County, West Virginia, Bluestone Lake*** –Sedimentation volume survey.
- ***USACE Pocahontas County, West Virginia*** -Greenbrier River Sections, Marlinton LLP
- ***USACE Greenup County, Kentucky*** -Greenup Locks Expansion.
- ***USACE Clermont County, Ohio*** -Meldahl Locks Expansion. ***Madison Coal and Supply— Belle Vernon, Pennsylvania*** Lock #4 Diversion Dyke
- ***Kokosing/Fru-Con, Kanawha County, West Virginia*** -Marmet Lock Replacement
- ***Parsons-Main - Wood County, West Virginia*** Bellville Hydro Power Station.

Hazard Risk Assessment—Randolph and Tucker Counties, West Virginia

Oversaw the placement of 80 12'x12'x12' aerial control targets and the geodetic survey of their position for the creation of digital ortho photos for inventory of structures located in floodway.

Other aerial control projects Mr. McCarty has managed or completed:

- ***West Virginia Department of Transportation - Elkins, West Virginia.*** Elkins Bypass corridor mapping.
- ***U.S. Prison Bureau - Hazelton, West Virginia.*** Hazelton Federal Prison.
- ***Kentucky Department of Transportation - Lawrence County, Kentucky.*** KY 3 and U.S. 23 project.
- ***Kentucky Department of Transportation - Boyd County, Kentucky.*** Ashland Urban Connector.
- ***Kentucky Department of Transportation - Carroll County, Kentucky.*** Kentucky Speedway Connector.
- ***Kentucky Department of Transportation - Elliott County, Kentucky.*** KY 7 Improvements.
- ***Kentucky Department of Transportation - Rowan County, Kentucky.*** KY 519 Improvements.
- ***Kentucky Department of Transportation - Larue & Hart Counties, Kentucky.*** I-65 Improvements.
- ***USDA - Ritchie County, West Virginia.*** North Bend Waterline Replacement.
- ***Barbour County Airport - Barbour County, West Virginia.*** Airport Master Plan.
- ***Mingo County Airport - Mingo County, West Virginia.*** Airport Master Plan.
- ***Roane County Airport - Roane County, West Virginia.*** Airport Master Plan

East Lynn Lake Boundary Survey - Wayne County, West Virginia

Boundary retracement and monumentation survey, record research, and reconnaissance necessary for the analysis, reconciliation and monumentation of portions of 15 individual tracts in 4 separate locations consisting of over one thousand acres located in Wayne County, West Virginia.

Beech Fork Lake - Wayne County, West Virginia

Completed a records research, and boundary and corner research as necessary to prepare for future surveying and monumentation along a 4 mile portion of boundary line for Beech Fork Lake consisting of 7 rural tracts and 600 acres.

USDA Soil Conservation Service, North Bend Water Utilities Project, Ritchie County, WV

Completed a survey of ten miles of photo control for photo enlargements for the design of water line running from Cairo, West Virginia to the entrance of North Bend State Park then on to a proposed water treatment in Harrisville thence running to US Route 50. Also control for survey mapping photogrammetry of the proposed water treatment plant site in Harrisville, West Virginia.

Hatfield Bottom Boundary Survey - Mingo County, West Virginia

Boundary and Monumentation Survey, establish the boundary of 20 individual tracts in 15 separate locations and/or severance lines consisting of approximately 10 acres supplied electronic files in Intergraph DGN format, plats and descriptions and addressed, plotted, and computer encroachments. All work was done in conjunction with Huntington District Corp of Engineers Flood Plain buy out.

Proposed Seneca Rocks Visitor Center, Seneca Rocks, West Virginia

Completed a topographic survey of the existing temporary, visitor's center site of the previous visitor center, and area for the proposed visitor's center. Also located all trees with a BHD of 3" and larger. All existing structures and ruins, sidewalks, roads, utilities, and located all boundary corners on the site.

WVDOT-Corridor "L" - Nicholas County, West Virginia

Completed a Right-of-Way survey for the design stage of the widening of US Route 19 project from Muddetty to the crest of Powell's Mountain near Birch River, West Virginia.

Marlinton Local Protection Project, US Army Corps of Engineers-Huntington District, Marlinton, West Virginia

Performed and oversaw the location of all drainage utilities within the City of Marlinton including storm and sanitary sewers as a portion of the design of Marlinton LPP utilizing Trimble RTK equipment with a Hammerhead Pentop Computer

Logan County Development Corporation - Logan County, West Virginia

Conducted the necessary records research and corner reconnaissance for partition a 20 acre portion out of a larger 20,000 acre tract. Once the 20 acres was platted and monumented the tract was subdivided into smaller parcels for use as an industrial park.

Phillippi Multi Tenant Park - Barbour County, West Virginia

Conducted records research and retracement survey on a 40 acre site and monumented lost or obliterated corners. A subdivision was then platted and corners were set in the field for all new parcels to State of West Virginia minimum requirements.

Exxon USA - Various Sites throughout West Virginia

Completed boundary and site surveys to ALTA (American Land Title Association) specifications at several Exxon properties spread throughout the State of West Virginia

Cadastral/Boundary Retracement Surveys - Charleston Landfill Survey,

Boundary Survey, Charleston, WV; Philippi Multi-Tenant Building, Boundary survey and subdivision layout, Philippi, WV; Clay County Public Service District, Boundary and control surveys and site mapping, Clay County, WV; T&W Enterprises, Scary Creek Site Plan, Site Survey, St. Albans, WV; Mount Olive Correctional Center Warden's Residence, Mt. Olive Correctional Center, Boundary Survey, Mt. Olive, WV; Town of Poca Annexation Plan, Poca, WV; City of S. Charleston-Coventry Woods Annexation Plan, S. Charleston, WV; City of St. Albans-Lakewood Area Annexation Plan, St. Albans, WV; Clay-Roane Public Service District-Varneytown Area Annexation Plan, Clay County, WV.

Topographic Surveys - WVDOT, Corridor L,

Site mapping and boundary survey, Summersville, WV; Central WV Regional Airport Authority, Yeager Airport, Site mapping, Charleston, WV; Eastern WV Regional Airport Authority, Shepherd Field, Site mapping, Martinsburg, WV; Buckhannon-Upshur Airport Authority, Site mapping, Buckhannon, WV; Mercer County Airport Authority, Site mapping, Bluefield, WV; Charleston Job Corp. Center, Site mapping, Charleston, WV; Seneca Rocks Visitors Center, Site mapping, Seneca Rocks, WV; Columbia Gas Headquarters Storm Sewers, Site mapping, Charleston, WV; WV University National Resources Center, Site mapping, Morgantown, WV.

Route Surveys - WVDOT, Corridor L,

Site mapping and boundary survey, Summersville, WV; WVDOT, Belington Water and Sewer Line Relocation, Site mapping, Belington, WV.

Geodetic Surveys - Mingo County Airport Authority,

Site mapping and photo mapping control, Williamson, WV; Barbour County Airport Authority, Photo mapping control, Philippi, WV; Town of Monongaha, Site mapping, Monongaha, WV; Petersburg Water Treatment Plant, Control survey and site mapping, Petersburg, WV; Roane County Airport Authority, Photo mapping control, Spencer, WV; USDA-SCS, North Fork Hughes River Water System, Site mapping and photo control, Ritchie County, WV; West Virginia Air National Guard, Control survey and site mapping, Yeager Airport, Charleston, WV.

Construction Surveys - Mason County Commission,

Site mapping and construction layout, Mason County Airport, Point Pleasant, WV; WV Graduate College-Administration Building, Site mapping and construction layout, S. Charleston, WV; City National Bank, Site mapping and construction layout, Various locations in WV; Exxon Company, USA, Site mapping and construction layout, Various locations in WV; Chapman Technical Group, Post Office Renovations, Construction layout, St. Albans, WV; APCO, N. Charleston Service Center, Construction layout, Charleston, WV; WV Behavioral Health Complex, Building layout, Weston, WV; Northern Regional Jail/WV Regional Jail Authority, Building layout, Moundsville, WV; Leaps and Bounds/McDonald's Corporation, Building layout and project scheduling, Various locations across the United States; Tyler County Soil Remediation Facility, Building layout, Bens Run, WV; Liberty High School-New Addition, Building layout, Clarksburg, WV; Go-Mart, Inc., Tank Rehabilitation, Site mapping and construction layout, St. Albans, WV; Union Boiler/Union Carbide Corp., Construction layout, S. Charleston, WV

Dam Monitoring and Instrumentation Surveys

Mr. McCarty has overseen the precise surveys required for periodical checks for movement at a large number of the flood control project and inland navigation structures inside the Huntington District of the USACE. These surveys have required precise measurements to be made by GPS, Robotic Total Stations and Digital Levels. This data has been processed utilizing the least squares adjustment method and compared to previous observations to check for movement.

- 1998 Capt. Anthony Meldahl Locks and Dam-USACE Huntington District \$21,000
- 1999 Summerville Dam and Dikes-USACE Huntington District- \$19,000

- 2001 R.D. Bailey Dam-USACE Huntington District-\$15,000
- 2001 Yatesville Dam-USACE Huntington District-\$15,000
- 2008 Capt. Anthony Meldahl Locks and Dam-USACE Huntington-\$32,000
- 2008 Willow Island Locks and Dam-USACE Huntington District-\$28,000
- 2007 Dover Dam-USACE Huntington District-\$15,000
- 2007 Mohawk Dam-USACE Huntington District-\$15,000
- 2009 Charles Mill Dam-USACE Huntington District-\$32,000
- 2009 North Branch of Kokosing Dam-USACE Huntington District-\$32,000
- 2009 Pleasant Hill Dam-USACE Huntington District-\$32,000
- 2009 Mohicanville Dam-USACE Huntington District-\$32,000
- 2009 Pavonia Levee-USACE Huntington District-\$18,000
- 2009 Charles Mill Lake Dikes 1 and 2-USACE Huntington District-\$36,000
- 2009 Mohicanville Lake Dikes 1 and 2-USACE Huntington District-\$36,000
- 2009 Nasport Dike of Dillion Lake-USACE Huntington District-\$18,000
- 2009 Pleasant Valley Dike of Dillion Lake-USACE Huntington District-\$18,000
- 2009 Silica Sands Levee of Beech City Lake-USACE Huntington District-\$18,000

West Virginia Department of Transportation, Division of Highways, Charleston, WV

American Church Bridge Replacement, Delbarton, WV

Project Manager and lead roadway designer for the replacement of the American Church Bridge in Delbarton and related roadway work in Mingo County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Design work for this project included drainage, HEC-RAS analysis, roadway design, and right of way design.

Corridor H, U.S. 48 – Scherr, WV

Project Manager and lead roadway designer for 2.25 miles of 4 lane divided highway in Grant County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Worked closely with West Virginia Department of Transportation personnel as well as local residents during the highways design through the environmentally sensitive Greenland Gap area.

Dunlow Thru Truss Bridge Replacement, Dunlow, WV

Project Manager and lead roadway designer for the replacement of Dunlow Thru Truss Bridge and related roadway work in Wayne County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Design work for this project included drainage, HEC-RAS analysis, roadway design, and right of way design.

U.S. 460 – I77 Interchange, Princeton, WV

Project Manager and lead roadway designer for replacement of existing bridge over I-77 in Mercer County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Worked closely with West Virginia Department of Transportation personnel during the Maintenance of Traffic planning stages to maintain traffic flow during construction at this very busy interchange.

Jones Laughlin Overpass Bridge Replacement, Martinsburg, WV

Project Manager and lead roadway designer for bridge replacement and associated roadway on WV Route 45 in Berkeley County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers.

Tablers Station Connector, Martinsburg, WV

Project Manager and lead roadway designer for 1.57 miles of 4 lane highway including an interstate overpass bridge in Berkeley County, WV. This project included managing structural engineers, geotechnical engineers, surveyors, other roadway engineers, and designers. Extra care was involved in this project due to numerous manufacturers in the area as well as historic properties.

Hundred Littleton Bridge Replacements, Littleton, WV

Roadway designer and lead right of way designer and investigator for the replacement of 2 bridges along U.S. 250 in Wetzel County, WV.

Hobet Mining, LLC – Madison, WV

Performed design of roadway, drainage, and pavement for the relocation of Boone County Route 9 near

Madison, WV.

Appalachian Fuels, LLC – Man, WV

Performed design of roadway, drainage, and pavement for the relocation of Logan County Route 10 near Pardee, WV.

Pendleton County Commission - Franklin, WV

Project Manager and lead designer for a park project near Ruddle, WV. This park includes baseball fields, jousting field, parking facilities, exercise trails, and concession building. Mr. McCoy also managed the preparation of construction documents and aided in the bidding of the project. As **Project Manager and Lead Engineer**, provided technical supervision and oversight to the civil site design for the construction of this \$300,000 Recreational/ Sport Park. This project included grading, drainage, roadway design, parking lot design, as well as all aspects of designing a large multi use sports complex. As Project Manger, was also responsible ensuring that the site was able to acquire United States Corps of Engineers Permitting due to sensitive flood plan issues.

BB & T Bank – Louisville, KY

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a branch bank in Beckley, WV. This project includes grading, drainage, roadway expansion, parking lot design, as well as many other aspects.

Marshall Foundation – Huntington, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a 33,000 square foot alumni center in Huntington, WV. This project includes grading, drainage, roadway expansion, parking lot design, as well as many other aspects.

Loves Country Stores – Ripley, WV

As Project Manager and Lead Designer, Mr. McCoy prepared construction documents for the construction of a truck stop/travel store in Ripley, WV. This project includes grading, drainage, roadway expansion, parking lot design, as well as many other aspects.

Putnam County Office of Planning and Infrastructure, Putnam County, WV

Contracted to Putnam County as Putnam County Engineer. In this position, Mr. McCoy performs site and building reviews and inspections countywide, for West Virginia's second fastest growing county.

Platinum Properties, Morgantown, WV

As Project Manager and Lead Designer, provided design and construction documents for the construction of Platinum Drive and associated utilities in Bridgeport, WV. This included:

- Design and specification of roadway.
- Design and specification of sanitary sewer extension.
- Design and specification of waterline extension.

City of Charleston, Charleston, WV

- ***Kanawha Boulevard Sidewalk Renovation Project*** - As Project Manager and Lead Designer, provided construction plans and documents for this federally funded multimillion dollar project including several miles of sidewalk and lighting renovations. This project involved the management of several different contractors as well as working with numerous funding agencies.
- ***Streetscape Renovations*** - As Project Manager and Lead Designer, designed several renovations to existing streetscape areas within downtown Charleston, WV. Areas involved the following areas:
 - Lee Street Triangle
 - Hale Street/Quarrier Street Intersection

- Dickenson Street/Lee Street Intersection (1st in state to utilize Streetprint® asphalt paving process)

Habitat for Humanity of Kanawha and Putnam Counties - South Charleston, WV

As Project Manager, Lead Designer, and Construction Administrator, designed and specified for the construction of Jubilee Heights, a multiple phase subdivision in the City of South Charleston, WV.

Rite Aid Corporation - New Cumberland, PA

As Project Manager, Lead Designer, and Construction Administrator, Mr. McCoy performed work at the following new Rite Aid stores:

- Huntington, WV, Hal Greer Boulevard
- Beckley, WV, Robert C. Byrd Drive
- Beckley, WV, Eisenhower Drive

Devonshire Development, Scott Depot, WV

As Project Manager and Lead Engineer, Mr. McCoy, is responsible for the project design and construction administrative services for a large resort style mix use residential development located in Scott Depot, WV. This development consists of apartments, townhouses and condominiums, state-of-the-art 6500 sq ft clubhouse as well as swimming pools, Jacuzzis, sport courts, tot lots, and dog exercise areas. This project includes grading, drainage, permitting, parking lot design, as well as many other aspects.

WVDEP, Division of Abandoned Mine Land & Reclamation, various locations

As Project Manager and Lead Engineer, Mr. McCoy has been responsible for numerous AML&R designs throughout southern West Virginia. These designs have included grading, drainage, sealing of mine portals (wet & dry), and all aspects related to the closure and reclamation of pre-law mining sites.

Jack E. Ramsey, P.E.
Utilities Group Manager

EDUCATION

B.S. Civil Engineering Technology West Virginia Institute of Technology, 1994

CERTIFICATIONS, REGISTRATIONS AND LICENSES

Registered Professional Engineer West Virginia
Registered Professional Engineer Ohio
Registered Professional Engineer Virginia

America's Registry of Outstanding Professionals 2002 / 2003
Cambridge Who's Who 2007 / 2008
Cambridge Who's Who - VIP 2009 / 2010

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc., Utilities Group Manager
St. Albans, WV 2006-present

QK4 Senior Project Manager
Charleston, WV 2003-2006

S&S Engineers, Inc., Project Manager
Charleston, WV 1999-2003

Dunn Engineers, Inc., Project Manager
Charleston, WV 1995-1999

Dunn Engineers, Inc., Staff Engineer
Charleston, WV 1994-1995

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

American Society of Civil Engineers (ASCE)

CURRENT POSITION RESPONSIBILITIES

Mr. Ramsey brings 16 years of design and project management experience to Triad Engineering. He has been involved in all aspects of water and wastewater engineering as well as general civil engineering. Mr. Ramsey came to Triad in 2006 to provide technical assistance and project management on complex and sensitive wastewater and potable water projects. In his current capacity Mr. Ramsey works on the planning, coordination, design, and construction of civil engineering projects to meet the expectations and needs of the client. Mr. Ramsey has experience in environmental engineering, civil engineering, wastewater collection, storm water conveyance, and water distribution systems, as well as wastewater and water treatment plants and storm water pollution control. Duties have included line layout, hydraulic analysis, pump and booster station designs, water storage tank design, pressure reducing station design, and plant layout and design. Mr. Ramsey has vast experience in dealing with funding and regulatory agencies. He has been instrumental in helping clients obtain loans and grants for their projects.

PROJECT EXPERIENCE SUMMARY

Wastewater Projects

Alcon Laboratories

Design of a 30,000 gpd extended aeration wastewater treatment plant which included UV disinfection and post aeration.

Buffalo Creek PSD

Wrote the preliminary report for a \$6.6 million dollar sanitary sewer project. The project included new sanitary sewer lines along WV Route 10 and the Greenville and Taplin areas of Logan County. Also included is an upgrade to the main lift station and conversion of the chlorine contact chamber into ultra-violet disinfection. The new system will serve over 500 customers.

Buffalo Creek PSD

Design of a 1.2 meter belt filter press and accessories for the wastewater treatment plant. Preparation of a Preliminary Engineering Report to extend sanitary sewer service to over 350 customers, upgrade to the existing pump station, and installing a UV Disinfection Unit. General consulting work for the wastewater system.

Central WV Regional Airport Authority (CWVRAA)

Design and construction management of a grinder pump station and force main for the civil air patrol facility, site and utility design for the terminal expansion project, and preparation of an environmental audit for the rent-a-car facility.

City of Glenville

Wrote the facilities planning report for a wastewater treatment plant upgrade, which included a sequencing batch reactor (SBR), belt filter press, additional clarification, and headworks as well as the collection system extension to various areas of the City and to the proposed \$100 million Federal Prison. Total estimated project cost \$7,500,000.

City of Huntington

Construction management of the Orchard Avenue wastewater collection system extension. Permitting and consulting for the Hal Greer Boulevard wastewater collection system extension project.

City of Paden City

Performed a Sanitary Sewer Evaluation Study (SSES) on the entire wastewater treatment and collection system. Study included system mapping, Closed Circuit Television (CCTV) of over 15 miles of collection line, evaluation of problem areas and corrective measures, cost estimates, and report preparation.

City of St. Albans

Design of the collection system pump stations for the Strawberry Road wastewater collection system extension and the headworks for the new SBR wastewater treatment plant.

Craigsville PSD

Wrote the facilities planning report for a wastewater collection system extension to three (3) separate areas and the wastewater treatment plant upgrade which included a belt filter press and piping modifications. Total estimated project cost \$3,500,000.

Crab Orchard-MacArthur PSD

Performed the line layout, hydraulic calculations, and pump station designs for the Community of Midway wastewater collection system extension.

Flatwoods-Canoe Run PSD

Performed the line layout, hydraulic calculations, and pump station designs for the Town of Flatwoods and Weyhauser wastewater collection system extension.

Wastewater Projects continued

Nitro Regional Wastewater Utility

Construction of the Poca River Road wastewater collection system extension that served 350 customers and included five (5) pump stations. Total project cost \$2,700,000.

Nitro Regional Wastewater Utility

NPDES Permit Renewal/ Negotiations. Preparation of preliminary estimates/ documents to outline the long term control plan for combined sewer overflows.

Nitro Regional Wastewater Utility

Design and construction management of a sanitary/ storm sewer separation project. Total project cost \$1,700,000.

Nitro Regional Wastewater Utility

Design and construction management of a wastewater treatment plant upgrade. The project consisted of a 0.65 MGD packaged treatment unit, a 1.2 meter belt filter press with building, a 150,000 gallon aerobic digester, and headworks upgrade. Total project cost \$2,700,000.

Salt Rock Sewer PSD

Wrote the facilities planning report for a wastewater collection system extension to serve 700 customers and a treatment plant upgrade (Phase 1). Total estimated project \$10,000,000.

South Putnam PSD

Wrote a preliminary engineering study for the Vintroux Road wastewater collection system extension. Total estimated project cost \$1,750,000.

Syracuse-Racine Regional Sewer District

Design of the Wastewater Treatment Plant Upgrade and Pump Station Rehabilitation project that consisted of rehabilitating the existing oxidation ditches and secondary clarifiers, replacing the existing sewage grinder, splitter box, return and waste sludge pump and controls, and sludge meter. Installing a new belt filter press building and SCADA system as well as rehabilitating three (3) existing collection system pump stations and replacing two (2) others.

Syracuse-Racine Regional Sewer District

Design of the Tackerville sewer system extension project. Project included over 10,000 LF of gravity sewer line and one (1) pump station. The project served 55 previously unsewered customers.

Town of Belle Sanitary Board

Performed a Sanitary Sewer Evaluation Study (SSES) on the entire wastewater treatment and collection system. Study included system mapping, Closed Circuit Television (CCTV) of over 15 miles of collection line, smoke testing, manhole inspections, evaluation of problem areas and corrective measures, cost estimates, and report preparation.

Town of Belle Sanitary Board

Performed the design of a wastewater collection system improvements project that included relining over 13,000 LF of existing sewer line, replacement and/or rehabilitation of approximately 80 manholes, and rehabilitation of the 13th Street pump station.

Town of Belle Sanitary Board

Performed the Design and Construction Administration for a 1.0-meter Belt Filter Press and new Building, including all ancillary equipment.

Town of Cairo

Design and construction management of a wastewater collection system extension for the Overton Heights, Route 31 North, and Route 31 South areas. Total project cost \$1,000,000.

Wastewater Projects continued

Town of Camden on Gauley

Design and construction management of the wastewater collection system Total project cost \$2,300,000.

Town of Cedar Grove

Wrote the combined sewer overflow report for compliance with WVDEP regulations. Report included system evaluation, identification of problem areas, solutions and costs to comply with regulations.

Town of Eleanor

Designed the renovations to the existing wastewater treatment plant pump station converting it from a wet pit/ dry pit station to a triplex submersible station.

Town of Hartford

Performed a Preliminary Sewer Evaluation Study on the entire wastewater collection system. Study included system mapping, smoke testing, manhole inspections, evaluation of the existing pump stations, and evaluation of corrective measures, cost estimates, and report preparation.

Town of New Haven

Performed the design of a wastewater treatment plant upgrade and collection system improvements project that included installation an automatic bar screen, a UV unit, replacing and/or rehabilitating the motor control center, the sludge holding tank, the chlorine contact chamber, and the existing WWTP pump station. Project also includes replacing over 6,300 LF of existing 10-inch and 8-inch sewer line, 24 manholes, and one (1) pump station.

Town of Moorefield

Performed the design and permitting of the regional wastewater collection system project that includes installation of approximately 4,000 LF of 24-inch gravity sewer pipe and over 20,000 LF of 18-inch and 14-inch force main. This system will convey wastewater from all of Moorefield, the Pilgrim's Pride industrial facility and most of Hardy County to the new Regional WWTP.

Town of Pratt Utilities

Performed a Preliminary Sewer Evaluation Study on the entire wastewater collection system. Study included system mapping, smoke testing, manhole inspections, evaluation of the existing pump stations, and evaluation of corrective measures, cost estimates, and report preparation.

The Meadows of Hawthorne

Layout and design of lots, roads, wastewater collection system and water distribution system for the Pocahontas County subdivision.

Towne of Middlebourne

Preparation of preliminary engineering study for a water treatment plant upgrade.

Town of Winfield

General services for both the Town and Sanitary Board. Services included planning, design, and construction management of various storm water and development projects.

Village of Rio Grande

Design and permitting of a sewer line replacement to serve the existing customers as well as a new Elementary School.

Water Projects

City of Glenville

Wrote the preliminary engineering report for a water line extension and treatment plant upgrade to serve the proposed \$100 million federal prison. Total estimated project cost \$3,500,000.

City of Paden City

Design and construction management of a 500 GPM air stripping water treatment plant and water system rehabilitation. Total project cost \$2,500,000.

Craigsville PSD

Construction management of a water treatment plant upgrade which included replacement of the raw water pumps, filter media and under drains, construction of a 150,000 gallon clearwell, and repainting of the existing presedimentation tank which had lead-based paint. Total project cost \$1,000,000.

Craigsville PSD

Planning, design, and construction management of a water line extension, pressure reducing station, and 150,000 gallon water storage tank that also provided service for approximately 180 customers with the City of Summersville.

Craigsville PSD

Design and construction management of a 300,000 gallon elevated water storage tank.

Green Valley Glenwood PSD

Performed a preliminary engineering study for the water treatment plant upgrade and new raw water intake system, including purchasing of the Dr. Dan Hale reservoir. The water plant upgrade consists of increasing the capacity from 600 gpm to 2,000 gpm by installing a new presedimentation basin, new filters, replacing all pumps, expansion of the underground clearwell and other improvements.

Silverton PSD

Design of 18 miles of water line, two (2) water storage tanks, two (2) booster stations, and one (1) pressure reducing station to serve 300+ customers throughout the district. Total estimated project cost \$4,500,000.

South Putnam PSD

Wrote preliminary engineering study for the Vintroux Road water distribution system upgrade. Total estimated project cost \$400,000.

South Putnam PSD

Design of a water system upgrade to improve water service to 57 customers along Vintroux Road.

Town of Fort Gay

Construction management of a water treatment plant upgrade that included a new raw water pump station, settling tank, pumps, and piping. Total project cost \$400,000.

Union Williams PSD

Design of over 25,000 LF of water line and a 50,000 gallon ground level water storage tank.

WV American Water

Prepared a raw water source study on Shaver's Lake, which feeds the Snowshoe Resort. Study included projections of future demand, existing and future capacities, and potential sources of contamination as well as remediation techniques.

Stormwater Projects

South Putnam PSD

Wrote the Storm Water Management Plan that encompasses 3/4 of the Putnam County. Report focused on water quality as it relates to NPDES MS4 as well as water quantity.

Huntington Alloys

Preparation of a preliminary engineering report that outlined various alternatives for dealing with contaminated runoff into Pat's Branch.

Town of Belle

Preparation of the NPDES MS4 plan and application.

Town of Eleanor

Preparation of the stormwater master plan. Sized over 600 pipes throughout the Town.

WV Division of Highways

Design of drainage systems for multiple WV DOH projects.

Other Civil Engineering Projects

Fruth Pharmacy (Cross Lanes)

Performed the site layout (grading and drainage), utility design, and permitting.

Habitat for Humanity (City of Charleston)

Design of the streets, wastewater collection, water distribution, and storm water collection systems for a 50 lot subdivision located within the City of Charleston.

International Coal Group (ICG) Site

Preparation of construction plans for the ICG Corporate Headquarters (Total \$6.4 million). Plans included grading, drainage, utilities, lighting, landscaping, and erosion control in compliance with Putnam County Regulations.

Nitro Regional Wastewater Utility

Design and construction management of a retaining wall for an earth slide along 21st Street.

Teays Valley Cinemas

Performed the site grading, drainage design, and permitting.

Town of Winfield Planning Commission

Serves as the Planning Director for the Commission. Responsibilities include subdivision and building permit review to insure compliance with regulations.

PUBLICATIONS

Ramsey, J.E., 2003. "Stormwater Quantity and Quality Issues" WV Rural Water Association Fall Quarterly

Ramsey, J.E., 2006. "Rehabilitating Existing Sewer Systems" WV Rural Water Association Summer Quarterly

Ramsey, J.E., 2009. "Belle Wastewater Systems Gets a Facelift" WV Rural Water Association Fall Quarterly

Joseph Young, ASLA
Landscape Architect

EDUCATION

BSLA, Landscape Architecture

West Virginia University, WV, 1989

REGISTRATIONS AND LICENSES

Registered Landscape Architect

West Virginia & Ohio

DIRECT WORK EXPERIENCE AND PRIMARY RESPONSIBILITIES

Triad Engineering, Inc.,
St. Albans, WV

Project Manager/Landscape Architect
2003 - Present

Edwards and Kelcey,
Charleston, WV

Project Manager/Landscape Architect
2000 - 2003

Environmental Design Group,
Charleston, WV

Project Manager/Landscape Architect
1997 - 2000

The Siebenthaler Company,
Dayton, Ohio

Project Manager/Landscape Architect
1996 - 1997

Woolpert LLP,
Dayton, Ohio

Landscape Architect
1990 - 1997

PROFESSIONAL ORGANIZATION/ASSOCIATIONS

West Virginia Recreation and Park Association (WVRPA)

American Society of Landscape Architects (ASLA)

CURRENT POSITION RESPONSIBILITIES

Mr. Young currently serves as Landscape Architect for the St. Albans branch of TRIAD. In this capacity, Mr. Young brings nineteen years of experience on a diverse range of projects covering all aspects of landscape architectural design and planning in both the public and private sector. Mr. Young's experience includes but is not limited to park and streetscape design, resort and campus master planning, subdivision layout, landscape and hardscape design, grading and earthwork calculations, construction detailing, specifications, estimating, and project management. Mr. Young also performs Project Management on related projects, and has been involved in planning projects for national and international military bases, pocket parks, 5,000 acre reserves, large downtown streetscapes, subdivision layout and design, and campus master plans for many college and universities.

PROJECT EXPERIENCE SUMMARY

Washington Nile Local School District, West Portsmouth, Ohio

The project consists of the development of a middle school on an existing high school and elementary site. The new addition will occupy the area now being used as a football practice field and open play area. Site features included the development of a new circulation and parking system, the placing of the building for appropriate sun orientation, pedestrian circulation around the site, utility design and an extensive storm water management system. Triad worked with a project team headed by the architect and owner, to develop a complete comprehensive set of construction documents. Client: Tanner Stone & Company Architects

Clay Local School District, Portsmouth Ohio

The project consists of the development of an existing high school site into a K-12 school site with the addition of the middle and elementary schools. The new addition will occupy the area now being used as student and faculty parking area. Site features included the development of a new circulation and parking system, the development of age appropriate play areas, outdoor learning areas, outdoor courtyard area, pedestrian circulation around the site, utility design and an extensive storm water management system. Triad worked with a project team headed by the architect and owner, to develop a complete comprehensive set of construction documents. Client: Tanner Stone & Company Architects

King's Daughters Medical Center Medical Office Building Ashland, Kentucky

Triad provided site civil engineering services as well as landscape architectural services for 3 Medical Office Building in Southern Ohio and Eastern Kentucky. Triad worked with a project team headed by the Architect and the owner, to develop a complete comprehensive set of construction drawings. This project involved optimizing the available property to accommodate the medical office building and parking areas that improved circulation on the site to allow for a patient drop-off area at the front of the building. Services provided by Triad included preparation of construction documents and details including site grading and drainage features, landscaping to compliment the architecture of the building and local and state permits. Owner: Kings Daughter Medical Center, Howard Harrison, Director of Facilities

King's Daughters Medical Center Vision Master Plan, Ashland, KY

Triad Engineering, Inc. was asked to team with Kreps and Zachwieja Architects / Consultants Inc. to provide a comprehensive plan for the future development of King's Daughters Medical Center campus. This includes the realignment of roads and the placement of several new facilities. The plan also includes the development of a green space system that allows patients, visitors and employees to walk from building to building with minimal vehicular conflicts.

Bridge Road Master Plan, Charleston WV

Triad Engineering, Inc. was recently selected by the South Hills Neighborhood Association to prepare a Master Plan for the South Hills Business District. The purpose of this study is to provide a framework and guidance for the future development and enhancements in the Bridge Road Business District. The main goals were to increase pedestrian circulation and safety, increase parking and improve overall aesthetics and beautification of the area. Design Highlights include: Gateways into the district, increase parking opportunities, ADA compliance upgrades, new site amenities and lighting improvements, crosswalks as well as landscape design pallet to be used throughout the business district

Wolf Point Park, Ashland, KY

A 65 acre site near Ashland Kentucky will be the future site of an instructional baseball and sports academy for the local community. The park will have a 40,000 square foot multi-purpose indoor facility that will be able to be used for baseball, soccer, gymnastics and weight training. There will also be 4 Little League fields with a central concession / restroom and scorers area and 4 Babe Ruth fields with a central concession / restroom and scorers area. All fields will be lit to maximize

the play and instructional time. The park will also have a walking/fitness trail and parking for 600 cars.

Volunteer Ballpark on Memorial Boulevard, Huntington, WV

This project consists of a Little League Baseball park to be constructed in Huntington West Virginia. The project is being built by a nonprofit organization that is developing this Owens-Corning refuse landfill into the youth sports complex. The project consists of 2 fields with bleachers and scorers booth, concession/ restroom facility, a ceremonial plaza and a promenade. Project Manager / Designer.

Powderidge Condominium Improvements, Snowshoe, WV

Prepared plans for site improvements, such as signage, parking reconfiguration, entries into the buildings, ski slope access, slope side site amenities, snow management, and its impact on the landscape. Project Landscape Architect, Powderidge Home Owners Association, Snowshoe, WV.

Stonewall Jackson State Park, Roanoke, WV

Prepared plans and construction documents for 198 unit lakeside lodge and conference center with indoor and outdoor pool, outdoor dining, snack bar, fire pits, and overlook deck. Other site improvements included placement of 10 water front cottages and campsites site improvements.

The Forbes Center, Master Plan, Charleston, WV

Prepared Landscape and hardscape plans for a new executive office complex located in the NorthGate Business Park in Charleston, WV. Design drawings include the development of an entrance auto court and perennial garden courtyard to be used for outdoor dining and gatherings. Project Manager, The Forbes Center.

St. Albans Streetscape, St. Albans, WV

Triad Engineering, Inc. was recently selected by the City of St. Albans to design the new gateway and streetscape improvements to the downtown area. Services included the preparation of a master plan, construction documents, and construction administration. The streetscape included parking improvements, landscape improvements, reduction of pedestrian and vehicular interaction, period lighting upgrades, concrete sidewalks with clay pavers, street furniture, and the creation of a gateway sequence into the downtown area.

Washington Street Improvements, Charleston, WV

Prepared concepts for addressing sidewalk, intersection, crosswalk, street pavements, furniture and landscaping linking two existing streetscape for The Charleston Renaissance Corporation.

Washington Street Streetscape Master Plan, Charleston, WV

Prepared a master plan for a 1-mile area of Charleston that connects the downtown district with the West Virginia State Capital Complex. The plan gave recommendations on site amenities such as benches, trash receptacles, lighting, bollards, sidewalk configurations and planting areas. Project Manager, Charleston Urban Renewal Authority

Ripley Streetscape Improvements, Ripley, WV

Prepared construction documents for a 1 block historic area of Ripley. The streetscape was designed to not detract from the history of Jackson County Court House on the south side of the block. The design used light fixtures that were similar in design as to those found on the Court House, clay brick pavers and site furniture that blended into the historic fabric of the area. Project Manager, The City of Ripley WV and Main Street Ripley.

Washington Street East Streetscape Improvement Project, Charleston, WV

Prepared streetscape construction documents for a 3 block area of Charleston, WV. The streetscape included the installation of trees, concrete sidewalks with clay pavers, ornamental streetlights and miscellaneous street furniture. Project Manager, Charleston Urban Renewal Authority.

West Side Community Revitalization Plan, Charleston, WV

The development of pedestrian amenities throughout the west side of Charleston, WV, which included the development of gateways into the area, landscape treatments for beautification and screening, streetscape guidelines, roadway realignment and the development of green spaces. Project Manager, City of Charleston and West Side Neighborhood Association.

White Sulphur Springs Streetscape Improvement Project, White Sulphur Springs, WV

Prepared a master plan and streetscape construction documents for a 3 block area of downtown White Sulphur Springs WV. The streetscape included 60 degree angled parking, the installation of trees, concrete sidewalks with clay pavers, ornamental streetlights and miscellaneous street furniture. Project Manager, City of White Sulphur Springs.

Charleston Newspapers, Pedestrian Park, Charleston, WV

The development of a pedestrian park that could be utilized by employees as well as the general public. The park plan includes a low limestone seat wall that reflects the stone on the newspaper office building as well as the adjacent bridge. A fountain to mask the sound of the traffic with extensive landscape treatments. Project Manager, Charleston Newspapers.

Paul G. Duke Park, Troy, OH

Prepared design plans and contract documents for the development of \$1.5 million of improvements which included lighted softball and baseball fields; football / soccer fields; restroom/ concession buildings; picnic shelters; site utilities and landscape and irrigation treatments. Project Landscape Architect, The City of Troy, Ohio

The Miller Addition, Englewood, OH

Master Plan to renovate a 135 acre sand and gravel quarry into a park facility which included fishing access areas, day-use areas, canoeing access, accessible walking and nature trails throughout the site. The renovation was needed to replace existing water related activities that were gradually being lost in the main reserve because of siltation. Project Landscape Architect, The Park District of Dayton and Montgomery County.

Englewood Reserve Master Plan, Englewood, OH

Prepared a master plan for an area, which includes 5000 acres surrounding the scenic, designated Stillwater River. The plan contained numerous key recommendations for the development of the reserve including development of policies on land stewardship; detailed schematic layout of vehicular, pedestrian, and bicycle access. Project Landscape Architect, The Park District of Dayton and Montgomery County.

Camp Kern YMCA Master Plan, Dayton, OH

Prepared a master plan for a 420 acre site located adjacent to the scenic Little Miami River. The planning issues to be resolved were vehicular and pedestrian traffic conflicts; poor relationships between existing natural environments and man made facilities. Project Landscape Architect, YMCA of Metropolitan Dayton, Ohio

Chaminade- Julianne Catholic High School Master Plan, Dayton, OH

Master plan for an urban Catholic High school which included the development of student parking facility, proposed athletic facility building, multi-purpose fields, tennis courts, main arrival court, and the development of outdoor student spaces. Project Landscape Architect, Chaminade-Julienne Catholic High School.

Englewood Streetscape Development, Englewood, OH

Prepared a master plan and construction documents for a five block area of old downtown Englewood. Improvements included stone walls that replicate existing stone foundations, period style lighting from pedestrian to traffic signalization, clay pavers, ornamental fencing and a new pocket park. Project Landscape Architect, City of Englewood, Ohio.

River Corridor Street Closure, Streetscape, Dayton, OH

Complete site planning and construction documents for the redevelopment of existing parking facilities, and the closure of an dangerous, under-used city street in the warehouse district in Dayton, Ohio. Redevelopment plans included employee gathering spaces, pedestrian circulation, and the development of an formal entrance to the facility. Project Landscape Architect, Dayton Hydraulic Company, Dayton, Ohio.

University Oxbow, Ohio University, Athens, OH

Prepared concepts to improve the appearance of topographically depressed area known as the Oxbow. The project included the review of existing conditions with both University and the Hocking Conservancy District and documented both assets and liabilities related to the site. The concepts included water as the main feature and elaborate planting designs. Project Landscape Architect, Ohio University, Athens, Ohio.

Jefferson Community College, Master Plan, Louisville, KY

Development of concepts and a physical development plan for a suburban community college in Louisville, Kentucky. The plan included new buildings, plaza areas, new parking areas, education trails and recreation areas. Project Landscape Architect, University of Kentucky

Ohio University East Green, Landscape Development Plan, Athens, OH

Prepared a plan to identify existing problems and opportunities and develop a plan for the redevelopment for the East Green, a significant open space with in the residential area of Ohio University's campus. The plan included the development of bicycle storage areas, recycling areas, location of low accent walls and benches and the development of a low maintenance landscape plan. Project Landscape Architect, Ohio University, Athens, Ohio.

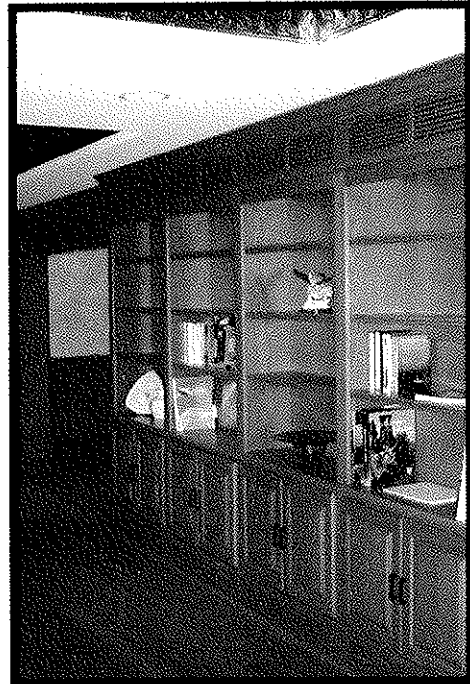
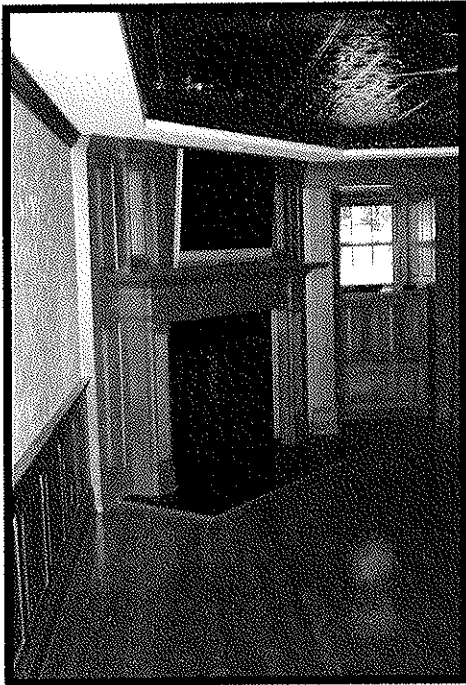
Emro Corporation Headquarters, Springfield, OH

Prepared master plan and construction documents which included site layout for a 400 car parking lot, visitor parking and drop off areas, retention pond, employee trail system, entrance plaza design, and extensive landscape plans which included a 500-foot dry stream bed. Project Landscape Architect, Emro Corporation.

Residential Community, Master Plans, Southwest Ohio

Master plans involving layout of communities ranging from single-family executive, single family estate and multi-family developments. All the developments include site amenities such as open space park areas, pool and clubhouse facilities, retention/ detention lakes, and various entrance features. Project Landscape Architect, Southwest Ohio, Various Clients.

West Virginia Governor's Mansion
Restoration & Renovation of the Governor's Mansion



Project Name: Restoration and Renovations for the WV Governor's Mansion

Project Location: Building 8, WV State Capitol Complex

Project Description: Designed the complete restoration and renovation including all new infrastructures throughout. This included renovation of the third floor unfinished space into usable living areas. The Mansion is on the National Register of Historic Places so the historic character was maintained throughout the construction. The final phase is being completed which includes the main kitchen renovation and the renovations to the State Police barracks located in the old servants quarters above the garage.

Construction Cost: Approximately 3.8 million dollars.

Services Provided: Architectural Design, Structural Engineering, Mechanical Engineering and Electrical Engineering.

Project Size: 21,200 square feet

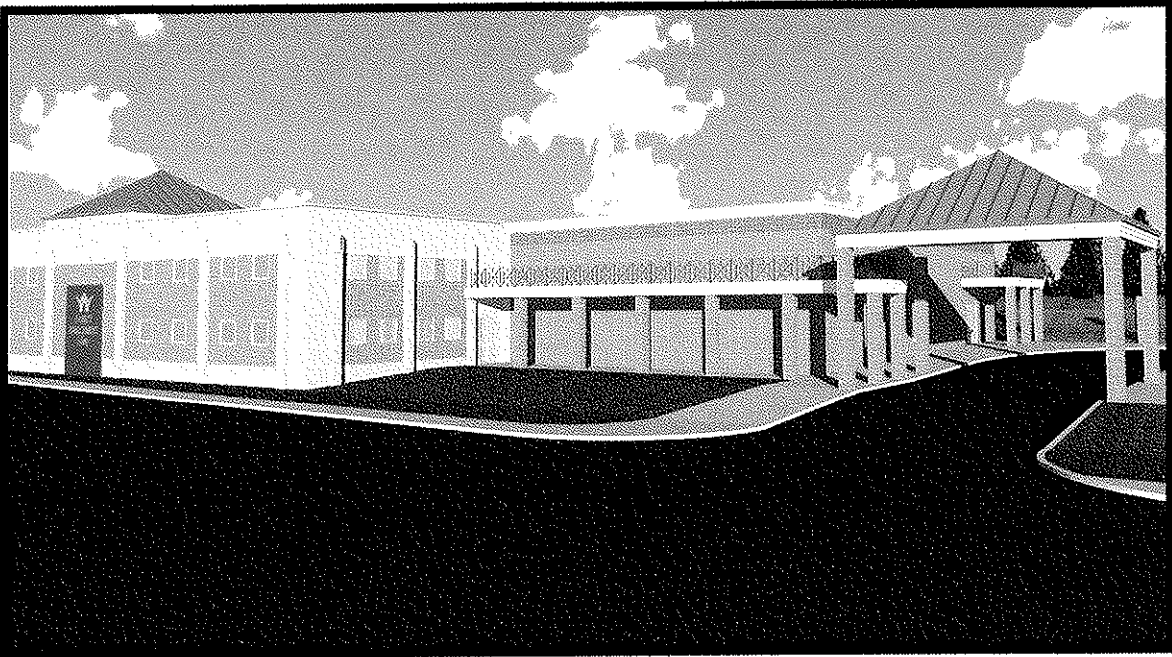
Project Owner: State of West Virginia

Contact: David Oliverio
General Services
304-558-2317

Governor's Mansion
304-558-3588

Date of Completion: May 15, 2008.

Schoenbaum Family Enrichment Center
Human Resources & Day Care Facility



Project Name: Schoenbaum Family Enrichment Center

Project Location: 1701 5th Avenue Box # 1
Charleston, WV 25312

Project Description: Adaptive use of the old West Virginia Tractor Building for the Community Council of the Kanawha Valley, Charleston, West Virginia. This project involved the renovation of an empty, dilapidated industrial complex for use as a 25,000 sf "Social Services Mall" and Child Development Center. Low-income families and individuals can obtain direction, counseling, and job training from state service organizations in one central location.

Construction Cost: \$3,600,000.00

Services Provided: Architectural Design, Structural Engineering, Mechanical Engineering and Electrical Engineering.

Project Size: 25,000 sf

Project Owner: Community Council of the Kanawha Valley

Loretta Jett Haddad
Director
Schoenbaum Family Enrichment Center
Telephone: (304) 414-4400

Date of Completion: January 2, 2002

Capitol Market

**Rehabilitation and adaptive use of a former railroad freight depot.
Charleston, W.Va.**



Project Name: Capitol Market

Project Location: 800 Smith St.
Charleston, WV 25301

Project Description: This project involved conversion of the abandoned ca. 1913 Kanawha & Michigan Railroad freight depot for use as retail and specialty shops with a restaurant. Exterior work on the historic brick facade followed the Secretary of the Interior's Standards for Rehabilitation, while open interior spaces were refitted for modern use to meet current codes. Much of the historic fabric has been retained and the original freight bays are covered with faux metal roll-up freight doors to maintain the industrial ambience of the popular site. The former rail yard located directly behind the freight depot is now a canopy-covered open-air farmer's market and parking area.

Construction Cost: \$5,000,000.00

Services Provided: Architectural Design, Structural Engineering, Mechanical Engineering and Electrical Engineering.

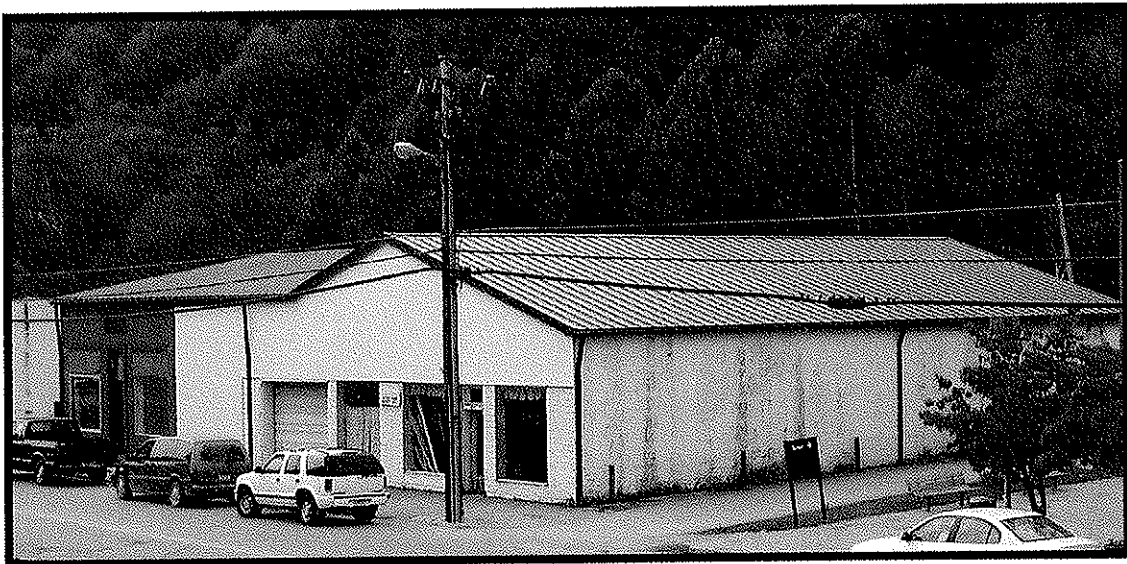
Project Size: 15,000 square foot interior market with a 20,000 square foot exterior market on a five-acre site.

Project Owner: Charleston Urban Renewal Authority

Pat Brown CURA Director 815 Quarrier St. Charleston, WV 25301 304-348-6890	Tammy Borstner Capitol Market, Director 800 Smith St. Charleston, WV 25301 304-344-1905
--	---

Date of Completion: August 14, 1996

Clay County Courthouse Annex
A New Courthouse Annex & Sheriffs Office



Project Name: Clay County Courthouse Annex

Project Location: 264 Main St.
Clay, WV 25043

Project Description: This project involves the renovations of two separate buildings into one for use as the Judicial Annex for the Clay County Courthouse. The two buildings are a Post Office and a Hardware Store with an infill connector. Phase one was to stabilize the structure and install a roof over the entire area. Phase two will complete the interior and exterior renovations.

Construction Cost: Estimated \$960,000.00

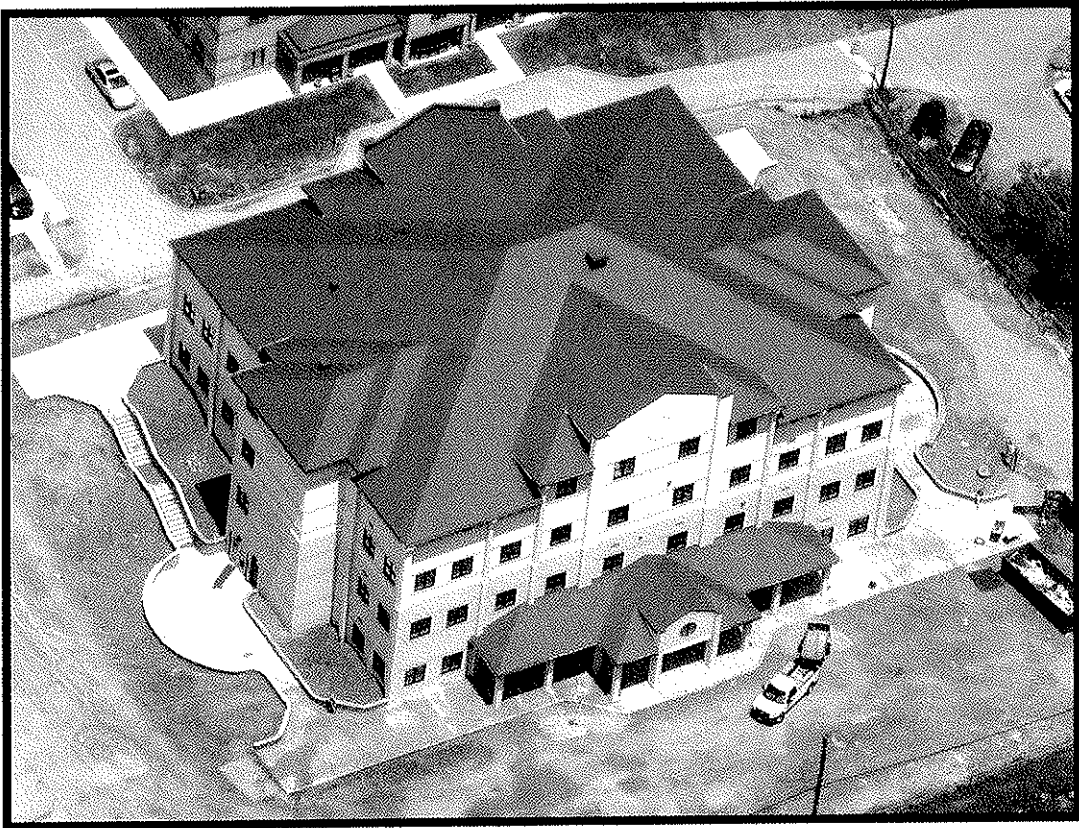
Services Provided: Architectural Design, Structural Engineering, Mechanical Engineering and Electrical Engineering.

Project Size: 5,000 sf

Project Owner: Jerry Linkinoggor
President
Clay County Commission
(304) 587-4259

Date of Completion: Estimated March 2012

Southern West Virginia Community & Technical College
New Administrative Offices & Learning Center



Project Name: Allied Health and Technical Building

Project Location: Southern West Virginia Community & Technical College
P.O. Box 2900
Mount Gay, WV 25637
(304) 792-7098

Project Description: This new Allied Health and Technical Building provides over sixty thousand square feet of educational and administration space on five levels. This new building will provide for the college state-of-the-art classroom and lab spaces for a wide range of career training. Two large student commons area greet students from entrances on two levels. Classrooms and labs exist on four levels for everything from computers to dentistry. A multi-level multi-media lecture-conference hall and a large exercise suite are just two of the many amenities offered in this facility. The top floor hosts administration offices and conference rooms as well as a small banquet hall.

Construction Cost: \$6,000,000.00

Services Provided: Architectural Design, Structural Engineering, Mechanical Engineering and Electrical Engineering.

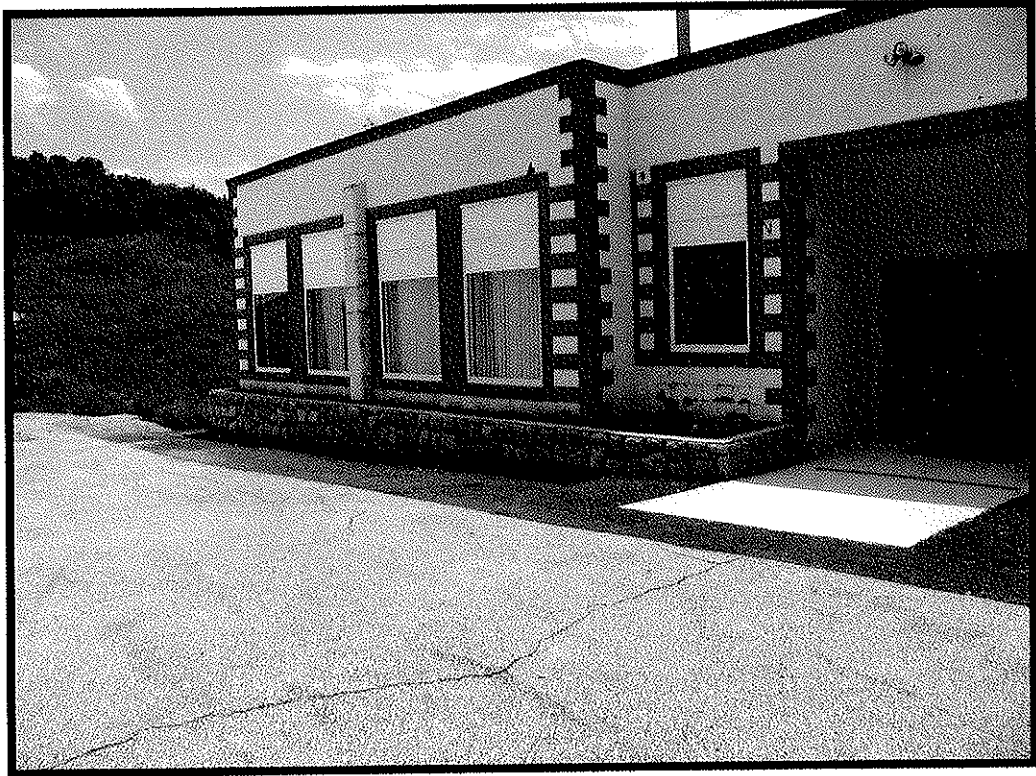
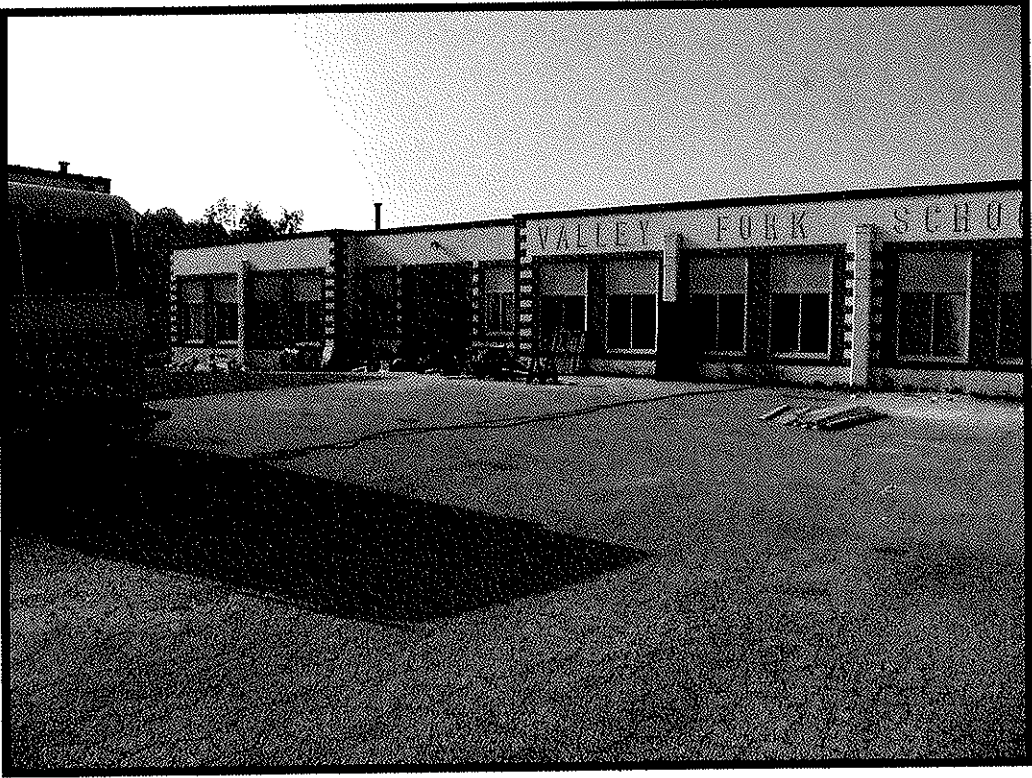
Project Size: 60,000 sf

Project Owner: West Virginia Southern Community & Technical College

Joann Tomlin
President
P.O. Box 2900
Mt. Gay, WV 25637
Telephone: (304) 792-7098

Date of Completion: August 14, 1996

West Virginia State Community & Technical College
Remote Teaching Facility & Day Care - Valley Fork, Clay County



Project Name: Renovation of Valley Fork Elementary School

Project Location: 4208 Wallback Road
Valley Fork WV 25285

Project Description: Renovations of the main level of Valley Fork Elementary School for The Kanawha Valley Community and Technical College Education Center. The lower level was converted into a Day Care Center for support of the Education Center. Exterior renovations will be included in a future phase.

Construction Cost: \$400,000.00

Services Provided: Architectural Design, Landscape Design Structural Engineering, Mechanical Engineering and Electrical Engineering.

Project Size: Education Center: 6,200 sf
Day Care Center: 2,400 sf

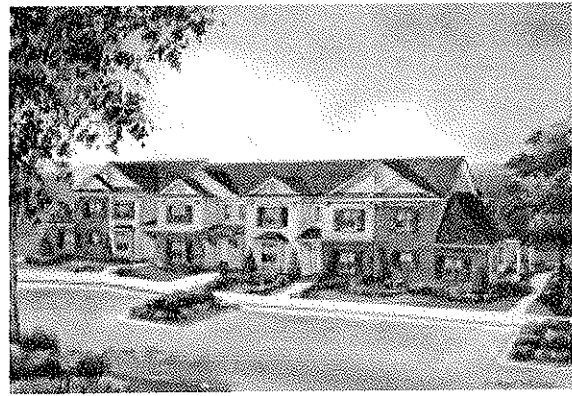
Project Owner: Central Appalachia Empowerment Zone

Connie M. Lupardus
Executive Director
135 Main Street
PO Box 176
Clay, West Virginia 25043
Telephone: (304) 587-2034

Date of Completion: July 20, 2009

PROJECT NAME

Devonshire
Scott Depot, West Virginia



PROJECT DESCRIPTION

TRIAD provided full civil engineering services including site development design for this project. The project consisted of the construction and site development for a large luxury mixed used residential development located in Scott Depot, West Virginia. The development which encompasses approximately 110 acres will ultimately have 532 luxury apartments, 174 townhouses, 72 condominiums and 59 single family patio homes. The development also includes a 6,500 square foot clubhouse, resort style pool, playgrounds and sport courts. TRIAD worked with a project team consisting of the architect and developer, to create a complete, comprehensive set of construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing ,drainage structures, and storm water management features.

As with most site development projects, this project involved optimizing the use of available property and terrain to accommodate the housing facilities and associated parking and access drives.

Services provided by Triad consisted of, field surveying to generate a map of existing site and topographic features, geotechnical investigations to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features and storm water management features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and West Virginia DEP construction storm water permits. The permitting phase of the project also included close coordination with the Putnam County, West Virginia Planning Commission to obtain building permits and certificates of occupancy. Triad also performed construction administration services on this project including full time inspection, construction documentation, pay estimate review, and Owner / Contractor coordination.

CLIENT

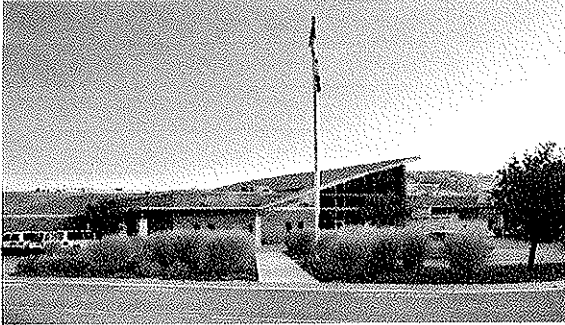
Cathcart Properties, Inc.
1244 Swan Lake Drive
Charlottesville, Virginia 22902

CLIENT CONTACT

Mr Todd Dofflemyer
(434) 296-4168

PROJECTS

Tiger Morton Juvenile Detention Center - Dunbar, West Virginia
Mount Hope Juvenile Detention Center - Mt. Hope, West Virginia
Western Juvenile Detention Center - Barboursville, West Virginia
Potomac Highlands Juvenile Detention Center - Augusta, West Virginia



PROJECT DESCRIPTION

TRIAD provided full civil engineering services including site development design for these projects. The projects consisted of the construction and site development for a 3 to 5 acre juvenile detention center facilities. TRIAD worked with a project

team consisting of the architect and owner's representatives, to develop complete and comprehensive construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing and drainage structures.

As with most site development projects, this project involved optimizing the use of available property to accommodate the facilities and associated parking and access drives.

Services provided by Triad consisted of site selection studies, field surveying to generate a map of existing site and topographic features, geotechnical investigation to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and Health Department Permits. Special services for the Regional Jail Authority included negotiation with local utilities to expand service to the new facility.

CLIENT

ZMM, Inc.
222 Lee Street, West
Charleston, West Virginia 25302

CLIENT CONTACT

Mr Carl Agsten, Jr.
(304) 342-0159
Mr. Chilton Lilly (Owner)
(304)558-2110

PROJECT NAME

Bank One Branch Facility
Teays Valley, West Virginia

PROJECT DESCRIPTION

TRIAD provided full civil engineering design services for this commercial development project. The project consisted of the construction and site development for a branch banking facility in a commercial/retail setting. TRIAD worked with a project team consisting of the architect, mechanical engineer, and owner's representatives to develop a comprehensive site design and construction drawing package. Site features included concrete paving, sidewalks, curb and gutter, and storm drainage collection and detention system, including a sub-pavement storm water detention system.

As with all projects, this project was unique due to its location and positioning. Because of zoning and permit requirements, the project required extensive landscaping design. Because the site was located within a flood sensitive area and suffered from space limitations, a fairly extensive storm water detention facility was designed to function beneath the pavement.

Services provided by Triad included: geotechnical investigation to determine subsurface conditions and facilitate design of the building foundations and associated site work; collaboration with the owner and architect to optimize use of the relatively small site; design of all site grading and drainage features; preparation of permit applications, including West Virginia Division of Highways encroachment permit and West Virginia Division of Environmental Protection construction storm water permit; and, quality control testing, inspection, and construction administration.

CLIENT

K. Norman Berry Associates, PLLC
611 Main Street
Louisville, Kentucky 40202

CLIENT CONTACT

Mr Steve Eggers
(502) 582-2500

PROJECT NAME

The Hamlets
Huntington, West Virginia

PROJECT DESCRIPTION

TRIAD provided full civil engineering services including site development design for this project. The project consisted of the construction and site development for a multi-family housing project. The development consisted of a 6 acre site including 7 buildings with a total of 52 housing units. TRIAD worked with a project team consisting of the architect and developer, to develop a complete comprehensive set of construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing and drainage structures.

As with most site development projects, this project involved optimizing the use of available property to accommodate the housing facility and associated parking and access drives.

Services provided by Triad consisted of a phase I environmental site assessment to determine past site usage regarding any environmental concerns, field surveying to generate a map of existing site and topographic features, a geotechnical investigation to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and West Virginia DEP construction storm water permits. Triad also performed construction administration services on this project including periodic inspections, construction documentation, pay estimate review, and Owner / Contractor coordination.

CLIENT

The Hamlets, LP.
#6 Fairway Drive
Huntington, West Virginia 25705

CLIENT CONTACT

Mr Robert E. Childers
(304) 733-6913

Project Outline

Phase I Evaluation of Existing Facilities

- Determine the existing condition of buildings and site.
- Evaluate accessibility and life safety code.
- Determine the condition of existing HVAC and electrical systems.
- Evaluate space availability and potential for reallocation of spaces.
- Evaluate data systems.
- Evaluate emergency systems, including security, fire alarms, lighting and emergency generators.

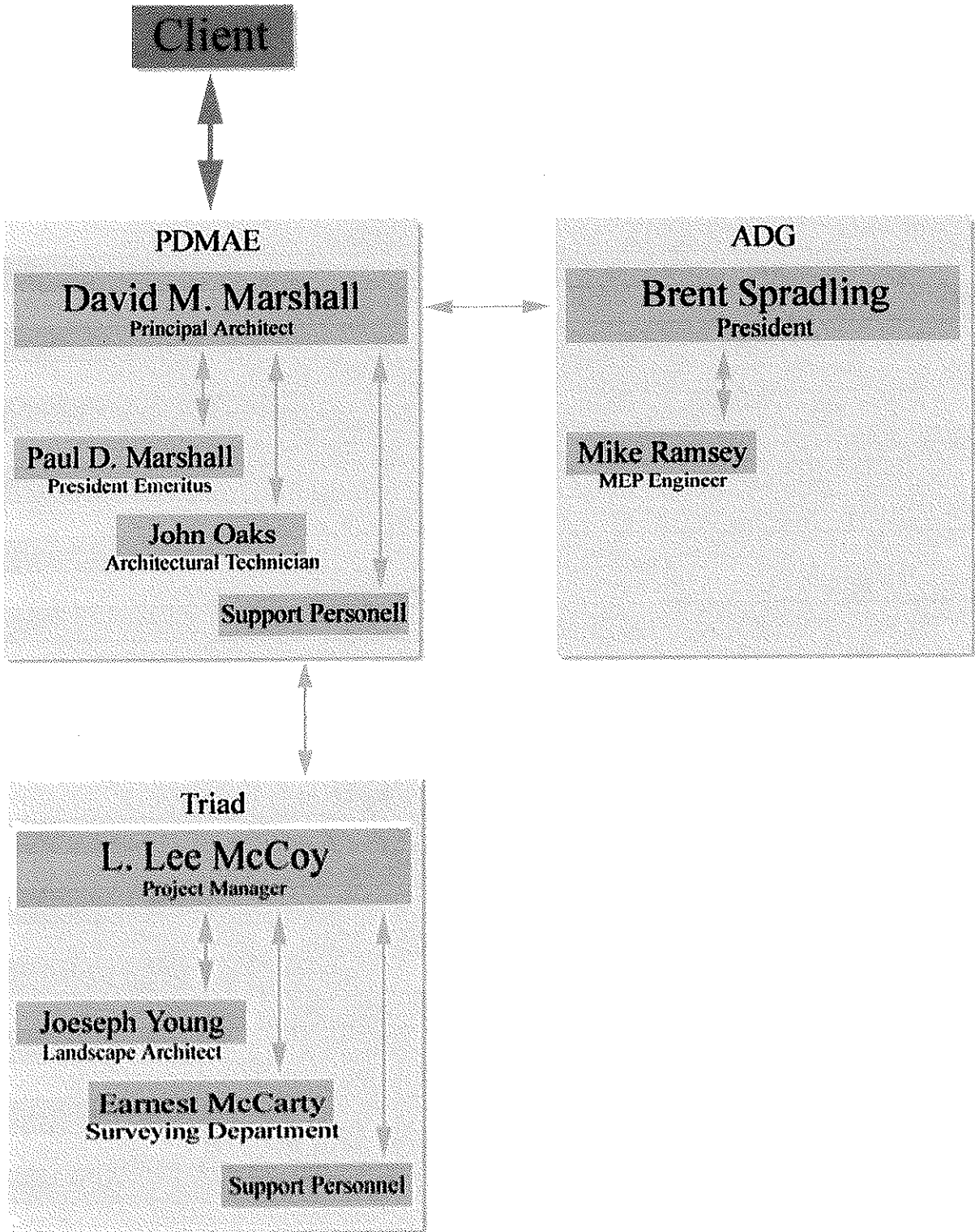
Phase II Space Planning

- Meet with tenant agencies to determine space needs.
- Evaluate programs for space requirements with attention to possible future needs.
- Develop redesign documents outlining possible solution to the renovation of spaces.
- Evaluate utilities, parking and site circulation responding to the new renovations

Phase III Development of Construction Documents

- Prepare construction documents for review by agencies.
- Obtain code approval from reviewing entities (State Fire Marshal, etc.)
- Produce final documents.
- Bid project.
- Observe construction activities

Staff Organizational Chart



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: PAUL D. MARSHALL ARCHITECTS AND ENGINEERS

Authorized Signature: *[Signature]* Date: 14 SEPTEMBER 2010

State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 14 day of September, 2010.

My Commission expires November 30, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC *Bridgett A. Shamblin*

