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## Header

List View


**General Information** [Contact](#) [Default Values](#) [Discount](#) [Document Information](#)

Procurement Folder: 146150

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0310

Vendor ID: 000000197868 

SO Doc ID: DNR1600000005

Legal Name: ANDERSON & ASSOCIATES OF VIRGINIA INC

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Response Time: 13:46

Solicitation Description: Addendum; A&E-Campground Improvements Beech Fork/Pipestem   


Total of Header Attachments: 0

Total of All Attachments: 0



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 146150

**Solicitation Description :** Addendum; A&E-Campground Improvements Beech Fork/Pipestem

**Proc Type :** Central Contract - Fixed Amt

| Date issued | Solicitation Closes    | Solicitation No             | Version |
|-------------|------------------------|-----------------------------|---------|
|             | 2015-11-18<br>13:30:00 | SR 0310 ESR1116150000002276 | 1       |

**VENDOR**

000000197868

ANDERSON & ASSOCIATES OF VIRGINIA INC

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

|             |        |      |
|-------------|--------|------|
| Signature X | FEIN # | DATE |
|-------------|--------|------|

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

| Line | Comm Ln Desc              | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|---------------------------|-----|------------|------------|-----------------------------|
| 1    | Architectural engineering |     |            |            |                             |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 81101508  |              |               |         |

**Extended Description :** AE Services Pipestem and Beech Fork Campground improvements.



# Anderson & Associates, Inc.



**TRIAD**  
TRIAD ENGINEERING, INC.



## **Pipestem and Beech Fork State Park Campground Improvement Projects**

**Solicitation No. CEOI 0310 DNR1600000005**

**Due: November 18, 2015 - 1:30pm**

Bid Clerk  
Department of Administration  
Purchasing Division  
2019 Washington Street E  
Charleston, WV 25305

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# A. COVER LETTER

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November 18, 2015

Mr. Guy Nisbet  
Buyer Supervisor  
Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305

Re: Campground Improvements – Beech  
Fork/Pipestem - JN 31935.99

Dear Mr. Nisbet,

Anderson & Associates with our project partner, Triad Engineering (Project Team) is pleased to submit this proposal for professional services relating to park improvements at Beechfork and Pipestem State Parks.

#### **UNDERSTANDING**

1. This project involves design and preparation of additional portions of camping areas relating to each park.
2. These services will involve sewer, electrical and additional water connections for camping.
3. The selected project team will review the existing plans and conditions to make recommendations to the Department of Natural Resources (DNR).
4. After consensus amongst the project team including DNR, the project team will design improvements with accordance to WV State Regulations and requirements of the DNR.
5. The Project Team will assist the team with soliciting and approval of a responsive contractor.
6. Upon execution of the contract the Project Team will provide Construction Administration/Construction Inspection in conjunction with personnel from the park and the DNR.

#### **APPROACH**

We will:

1. Following an initial scope kick-off meeting we will work with the DNR's personnel to procure information that will aid the project success.
2. The project team will gather available information to determine project parameters with the DNR
3. Provide 50%, 90%, and final project documents with cost estimates to the DNR for approval and review. Review meetings will be held at each milestone.
4. Submit the approved contract documents to DNR for their review and approval.

#### **PROJECT SCHEDULE**

Will be provided upon project initiation

#### **A STRONG EXPERIENCED PROJECT TEAM**

The project team will consist of:

- **Bill Keaton, PE – Officer-in-Charge and Project Manager**
- **Keith Boyd, PE – Quality Assurance and Quality Control**
- **Dennis Amos, PE – Project Engineer**



- **Scott Cranmer, PE – Project Engineer**
- **Chris Kaknis, LS – Survey Manager**
- **Carmen Dunford – Design Technician**
- **Mark Cline – Project Engineer**
- **Daniel Lipscomb, PE – Project Engineer**
- **Joe Young, RLA – Landscape Architect**
- **William Ernstes, ASLA – Landscape Architect**

The Project Team as assembled has over **224 years of experience** with this type of project. Details of each team member role are included in the proposal.

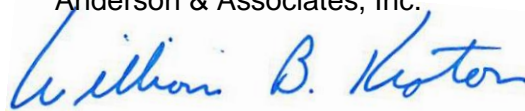
**PROJECT RESPONSIVENESS/OFFICE LOCATION**

The Project Team has staff immediately available to undertake this project. Our location in Princeton, West Virginia and St. Albans, WV enables our project team to easily perform field work to ensure a successful project for the DNR.

We have the desire to work closely with you and your staff on the ground and in the office to provide projects that will serve as the basis for improvements to your system to include better operations and cost effective changes to your system. In addition, the cost estimates will serve as the basis for budget figures appropriate for the project.

We look forward to discussing our qualifications with you in more detail. If you have any questions, or if we can help in any way, please let us know.

Sincerely,  
Anderson & Associates, Inc.



William B. Keaton. PE  
Vice President

WBK/wbk

# B. QUALIFICATIONS

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## OVERVIEW

Anderson and Associates, Inc. is an employee-owned professional design services firm. Founded in 1968, the company is headquartered in Blacksburg, Virginia, and has grown to include offices located in Northern Virginia, West Virginia and North Carolina.

A&A invests in our people, fostering not only technical skills, but the total development of the individual. A determined effort is made to recruit top-notch people, assist them in personal and professional development, and allow them to be directly responsive to clients rather than to internal management. All full-time employees are also eligible to become owners through an Employee Stock Ownership Plan (ESOP). Your work will be performed by employee-owners who have a high stake in your satisfaction and are particularly concerned about upholding the firm's well-earned reputation. With our strong staff and years of building good relationships within the communities where we work, clients appreciate the benefits of cooperative, dedicated performance.

Since 1968, A&A has provided a full range of traditional engineering services, from planning and analysis to design and implementation. The company handles institutional, municipal, state, industrial, and recreational projects that entail master planning, water, wastewater, stormwater, transportation, and site development. Other services include Geographic Information Systems, information technology services, digital site simulations, database development, and web site hosting and design.

A&A is a certified small business by the state of West Virginia. Our firm consists of 70+ full and part-time employees with a high percentage of licensed professionals, including 17 Professional Engineers, and 10 Land Surveyors. A large pool of design technicians, drafting experts, and inspectors supports the team effort.

Anderson & Associates is proud to be 100 percent employee-owned through an Employee Stock Ownership Plan (ESOP). As owners in the company, each employee understands the collective impact of his or her performance. Our model of project teams, professional development, and employee-ownership translates to a culture of efficiency, quality, and excellence. This emphasis, in turn, generates value-added benefits for our clients. A&A's consistent focus on improving responsiveness to clients reflects our dedication.

Anderson & Associates, Inc. has been helping clients achieve their goals for over three decades. Our team is practiced in designing solutions—not just projects. We work as a partner with you to ensure your ability to serve your many constituents.

Triad Engineering Inc. (Triad) provides geotechnical and civil engineering, environmental services, land surveying, construction testing and monitoring, drilling and construction materials laboratory services, to a wide range of clients. Established in 1975, we pride ourselves in being an employee-owned firm with nearly 200 employees throughout West Virginia, Virginia, Maryland, Pennsylvania and Ohio.

Triad can take a development project from property acquisition through construction. This ability offers expertise to clients during all phases of a project which ultimately leads to greater project success.

The Project Team has much experience in land development, water distribution and sewer collection projects similar to the Park's.



# B. QUALIFICATIONS

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## LAND DEVELOPMENT EXPERIENCE

The Project Team has extensive experience in all aspects of park and land development projects, and serves a variety of public and private clients directly and as consultants to other design professionals. The project team's expertise covers a broad range of educational, commercial, industrial, institutional, residential, and recreational projects. The project team is versed in planning and design, and strive to go above and beyond the role of a stereotypical engineer often facilitating the political processes involved in development projects. More than just designers, we are facilitators, guiding the development process to secure timely approvals and permits from appropriate review agencies.

### **Our Services Include:**

- ◆ Preliminary Site Planning
- ◆ Storm Water Management Systems
- ◆ Erosion & Sediment Control
- ◆ Zoning Assistance
- ◆ Construction Plan Preparation
- ◆ Permitting
- ◆ Construction Related Services

### **Project Types:**

- ◆ Commercial
- ◆ Institutional/Higher Education
- ◆ K-12
- ◆ Residential
- ◆ Industrial
- ◆ Recreational



# C. EXPERIENCE

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On the following pages, we have highlighted a few of the project team's clients and some representative projects that have been worked on. The team considers our relationships to our clients to be a partnership. We strongly encourage you to contact our clients and ask any additional questions regarding the services and performance that the project team offers.



# CROSSROADS MALL

Beckley, West Virginia



## **FIRM'S RESPONSIBILITY:**

Site Analysis, Site Design, Surveying, Traffic Impact Study, Permitting Assistance, Wetland Mitigation, Utility Coordination

## **OWNER:**

PREIT Services, LLC  
200 South Broad Street  
Philadelphia, PA 19102  
Mr. Dan Costello  
(215) 875-0457

## **COMPLETION DATE:**

2011

Anderson & Associates, Inc. provided Pennsylvania Real Estate Investment Trust (PREIT) with an initial evaluation of a parcel for development suitability. Once it was determined that the site was developable, A&A provided surveying services related to boundary line adjustments, easements plats, boundary line vacations, and rights-of-way dedications. A&A prepared complete site plans for the realignment of a portion of the mall ring road to allow room for development of a gas station on the front outparcel. A&A also provided complete site plans for the construction of a new Petsmart and Dick's sporting goods. Each of these site plan sets contained demolition plans, grading plans, erosion and sediment control plans, paving plans, storm drainage design, landscape design, and utility design & coordination.

# VETERANS ADMINISTRATION MEDICAL CENTER

Beckley, West Virginia



## **FIRM'S RESPONSIBILITY:**

Site Design

## **OWNER:**

SFCS Architects  
305 S. Jefferson St.  
Roanoke, VA 24011  
Mr. Kerry Buck, AIA  
540-344-6664

## **COMPLETION DATE:**

2013



**Veterans Administration Medical Center, Beckley, WV.** Anderson & Associates, Inc. teamed with SFCS Architects to provide civil engineering services for the design of a two level facility to house an adult day care, offices, and storage space at the Beckley VAMC. A&A provided topographic surveying services and complete site plans for construction which contain grading plans, erosion and sediment control plans, paving plans, water quantity and quality management design, drainage design, landscape design, and utility design & coordination. A&A will also provide limited construction phase assistance services during the construction of the facility.

# GILES / PEARISBURG BOAT RAMPS SITE

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County of Giles, Virginia



## **FIRM'S RESPONSIBILITY:**

Professional engineering design services

## **OWNER:**

County of Giles, Virginia  
315 N. Main Street  
Pearisburg, VA 24134

## **COMPLETION DATE:**

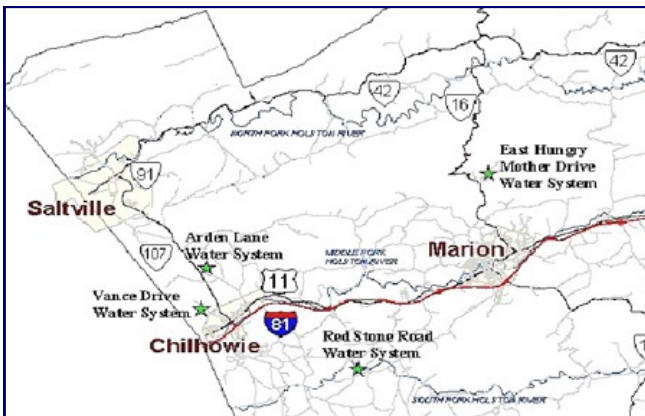
2014

A&A assisted Giles County and the Town of Pearisburg on the addition of two boat ramps located at the Bluff City and River Bend Park sites. For the Bluff City site, a previously existing entrance road and ramp was to be relocated in order to be off of Norfolk-Southern property, according to a preliminary analysis. The River Bend Park location was given a ramp along with the design of a paved parking lot which holds approximately 30 vehicles. Both locations were given environmental and archeological surveys. A&A project team members coordinated with Giles County, the Town of Pearisburg, and VDOT on all related matters.



# EAST HUNGRY MOTHER WATER PROJECT

Smyth County, Virginia



## FIRM'S RESPONSIBILITY:

Planning, Design, Contract

Administration, Inspection

## OWNER:

Smyth County

121 Bagley Circle, Suite 100

Marion, VA 24354

Mr. Scott Simpson, PE

276-783-3298

## COMPLETION DATE:

2007

## TOTAL PROJECT COST:

\$1,100,000

The East Hungry Mother Water Project was an extension of the Smyth County Water systems affecting four residential areas within the County including Arden Lane, East Hungry Mother Drive, Red Stone Road, and Vance Drive. The project consisted of installing approximately 25,000 feet of water lines and related appurtenances to provide public water service to areas that did not have adequate service, and improve service to areas that have experienced deterioration from old water lines.





# ADMINISTRATION BUILDING

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Victory Junction Gang Camp  
Randolph County, North Carolina



**FIRM'S RESPONSIBILITY:**

Site Design, Grading & Drainage,  
Water/Sewer Design, Erosion Control,  
Permitting, Watershed Plan Revisions

**OWNER:**

Victory Junction Gang Camp  
4500 Adams Way  
Randleman, NC 27317  
Ms. Pattie Petty  
336-495-2030

**GENERAL CONTRACTOR:**

J.S. Clark  
Greg Shaw  
336-759-9525

**ARCHITECTS:**

Overcash Demmitt & Design, Inc. of NC

**COMPLETION DATE:**

2003

**TOTAL PROJECT COST:**

\$1,200,000

Anderson & Associates, Inc. began design on this 16,800 square foot administration building in November 2005, and completed site construction plans on January 3, 2006. A&A was responsible for all site design, grading and drainage, water/sewer design, erosion control plan, and watershed plan revisions. The design included an access driveway to basement garage, golf cart path, ADA ramp, and reconfigured parking.

The building opened in June 2006 for all camp administrative employees.

# BIG GEM PARK MASTER PLAN

Shenandoah , Virginia



## **FIRM'S RESPONSIBILITY:**

Master Planning

## **OWNER:**

Town of Shenandoah  
426 First Street  
Shenandoah, VA 22849  
Ms. Juanita Roudabush  
540-652-3328

## **COMPLETION DATE:**

2003

## **TOTAL PROJECT COST:**

\$2,000,000

The former location of an iron furnace, Big Gem Park in Shenandoah, Virginia is now being transformed from a brownfield site of overgrown underbrush criss-crossed with eroding trails into an inclusive town park and woodland preserve. Through a working relationship with the citizenry of Shenandoah, Anderson & Associates has developed a master plan that meets both the passive and active outdoor recreation needs expressed by local representatives, while preserving much of the existing woodland. Furthermore, the proposed site changes and programming will reduce the current amount of erosion during rain events, thereby directly improving the water quality of the nearby Shenandoah River. Planned amenities include picnic shelters, play fields, a softball field, and an amphitheater.



# PARK MASTER PLANNING

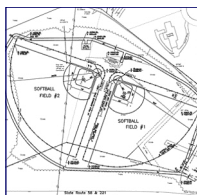
Various Locations, Virginia



**FIRM'S RESPONSIBILITY:**  
Master Planning

**OWNER:**  
Various throughout Virginia

**COMPLETION DATE:**  
Various

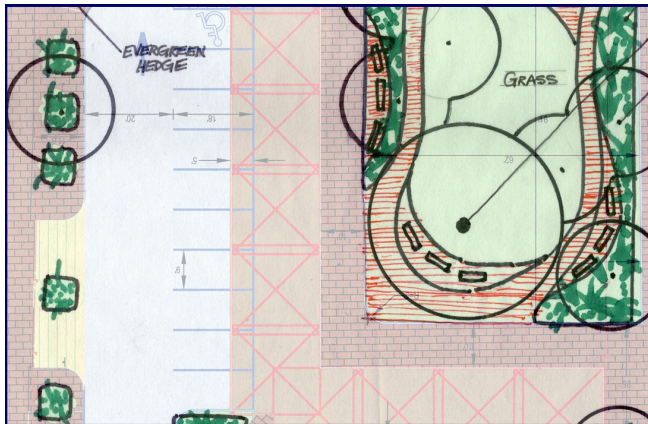


- **Big Gem Park Master Plan**, Shenandoah, VA. The former location of an iron furnace, Big Gem Park in Shenandoah, Virginia is now being transformed from a brownfield site of overgrown underbrush criss-crossed with eroding trails into an inclusive town park and woodland preserve. Through a working relationship with the citizenry of Shenandoah, Anderson & Associates has developed a master plan that meets both the passive and active outdoor recreation needs expressed by local representatives, while preserving much of the existing woodland. Furthermore, the proposed site changes and programming will reduce the current amount of erosion during rain events, thereby directly improving the water quality of the nearby Shenandoah River.
- **Park Master Plan**, Galax, VA. Planning and design for nine-acre site to contain two softball fields, two basketball courts, two soccer fields, a playground, picnic facilities, a circumferential walking trail, restroom / concession building, road improvements and parking for approximately 70 cars. Developed three alternative layouts with grading schemes and general utility schemes. Includes topographic and boundary surveying, geotechnical analysis, building design, master planning, grants assistance, and construction documents.
- **Veteran's Field**, Radford, VA. This project involved the development of a new softball park, including two separate fields, on a 30+ acre riverside site. Responsibilities included 1,920 feet of new roadway for park access and connection with the existing road, stormwater management, erosion control, grading, parking, restroom/utility buildings, and lighting. The project was funded by the National Park Service through the Virginia Outdoors Fund.



# MARKET SQUARE PARK

Blacksburg Farmers Market  
Town of Blacksburg, Virginia



## FIRM'S RESPONSIBILITY:

Green Site Design, Landscape Design,  
Surveying

## OWNER:

Town of Blacksburg  
303 Wilson Avenue  
Blacksburg, VA 24060  
Ms. Elisabeth Willis  
540-558-0798

## COMPLETION DATE:

2009

## PROJECT COSTS:

\$800,000

A&A worked with the Town of Blacksburg, market vendors, The Friends of the Farmers Market, and the public to re-develop an old parking lot in Downtown Blacksburg into a farmers market and public park. Design of this project began with the development of multiple conceptual plans based upon feedback received at public meetings regarding the aesthetic vision and functional goals of the project. The conceptual/preliminary design considerations included site layout, use of renewable materials and sustainable concepts, relocation of existing underground electric facilities, site lighting, parking, pedestrian and automotive traffic flow, connection of the site to existing adjoining properties, landscaping elements, erosion and sediment control, and storm water management. The detailed design of the project has included implementation of the conceptual plans and extensive coordination with the structure architect, utility owners, electrical engineer, adjacent store proprietors, Town parks and recreation department, Town planning department, Town engineering department, Town public works department, and Town police department.

# FIRST & MAIN

Blacksburg, Virginia



## **FIRM'S RESPONSIBILITY:**

Surveying, Site Planning and Design,  
Landscape Architecture

## **OWNER:**

Llamas, LLC  
PO Box 10397  
Blacksburg, VA 24062  
Ms. Jeanne Stosser  
(540) 953-2080

## **COMPLETION DATE:**

2008

To make way for a new lifestyle center that features specialty shops and dining establishments, several blighted properties along Blacksburg's South Main Street had to be combined and rezoned. The Developer called upon Anderson & Associates, Inc. to lead this rezoning endeavor. A&A brought to the table public involvement skills, planning and land-

scape architecture, graphic modeling and rendering, environmental permitting and design, traffic and transportation design, municipal utility design, and core site design.

After successfully rezoning the property, A&A began detailed design of the shopping center. Having a full spectrum of land development services enabled A&A to address the project from various angles and complete the entire design and permitting in-house, which helped the development team to meet an aggressive schedule for opening the project. A&A designed the site grading and drainage, stormwater collection and management, erosion and sediment control, water distribution system, sanitary sewer collection system, South Main Street improvements, and two traffic signals. Before construction could begin, several existing structures and improvements had to be demolished; a total of 12 buildings were razed, including two gas stations, five office buildings, a restaurant, and a multi-building motel, as well as approximately 4.25 acres of pavement and several hundred feet of sanitary sewer and storm sewer. The resulting retail and dining environment is a product of meticulous planning and design that blends the best of sophisticated and casual architecture to resemble and enhance the charm of Blacksburg.



# GATEWAY ENTRANCE DESIGN

Radford, Virginia



## **FIRM'S RESPONSIBILITY:**

Landscaping Design

## **OWNER:**

City of Radford  
619 Second Street  
Radford, VA 24141  
Mr. David Ridpath  
540-731-5047

## **COMPLETION DATE:**

2007

## **CONSTRUCTION BUDGET:**

\$100,000

Anderson & Associates, Inc. provided landscape architecture services for development of a gateway into the City of Radford at the Memorial Bridge entrance. The intent of the Radford Gateway Landscape Project was to create a hill-side landscape with a visual impact that announces one's arrival into the City of Radford. Additionally, the landscape is interactive on various levels. The sense of arrival begins more than a mile away as one drives toward Memorial Bridge. On this approach, what will be a community holiday tree is visible atop the project site. As one crosses Memorial Bridge, the project site is directly ahead sloping upward more than 25 feet above the road. On this slope are key elements such as a welcome sign, an informational kiosk, and several ornamental trees and shrubs offering seasonal interest year-round. Interaction with the site is made possible by a series of switch-back trails and landings that offer pedestrians various views of Memorial Bridge and the surrounding hillside setting. From these vantages, a visitor can look back down one of the main roads entering the city and out over the New River and adjacent land uses. Also, these landings serve as pausing places where one could read, meet a friend, or relax in the shade. The design intent of these paths and the associated landscaping is to create the sense from the road that they are multiple parallel horizontal lines progressing from the street level up the hill and terminating at the holiday tree area.

# DOWNTOWN REVITALIZATIONS

Town of Stuart, Virginia



**FIRM'S RESPONSIBILITY:**

Landscaping Design

**OWNER:**

Town of Stuart  
100 Patrick Street  
Stuart, VA, 24171  
Mr. Terry Tilley  
276-694-3811

**COMPLETION DATE:**

2010

**ESTIMATED CONSTRUCTION COST:**

\$531,320

The Town of Stuart was awarded a Community Improvement Grant by the Virginia Department of Housing and Community Development for revitalization efforts within their Uptown and Downtown Districts. Anderson & Associates provided landscape architectural services for design of an outdoor amphitheater within the Downtown District and streetscape design within the Uptown district, two spotlight projects within the Town's overall Revitalization Project.

Anderson & Associates worked closely with the Town on the development of a conceptual design for the amphitheater. We also worked closely with consultants designing the adjacent Farmers' Market, which the amphitheater stage and comfort station tied into. The amphitheater, Farmers' Market, and comfort station read as a seamless outdoor venue. A&A developed drawings articulating site layout, grading and drainage design, landscape design, materials, estimates of probable construction cost, and construction documentation for the amphitheater.

Anderson & Associates also worked with the Town and project engineer on the design and development of a streetscape plan for Uptown Stuart. The streetscape design included hardscape design, site furnishings, landscaping, sidewalk repair, signage, and general lighting design. We worked with the Town to identify design priorities and preferences and provided the Town with drawings articulating site layout and dimensions, grading and drainage, materials, landscape design, required demolition, estimates of probable construction costs, and construction documentation for the streetscape improvements.

# D. PERSONNEL



**BILL KEATON, PE**  
OFFICER-IN-CHARGE  
AND PROJECT MANAGER



**KEITH BOYD, PE**  
QUALITY ASSURANCE /  
QUALITY CONTROL



**DANIEL LIPSCOMB, PE**  
PROJECT ENGINEER

**JOE H. YOUNG, RLA**  
LANDSCAPE ARCHITECT

**WILLIAM ERNSTES, ASLA**  
LANDSCAPE ARCHITECT



**DENNIS AMOS, PE**  
PROJECT ENGINEER



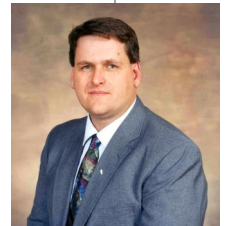
**SCOTT CRANMER, PE**  
PROJECT ENGINEER



**CHRIS KAKNIS, LS**  
SURVEY MANAGER



**CARMEN DUNORD**  
DESIGN TECHNICIAN



**MARK CLINE, PE**  
PROJECT ENGINEER

## RESUMES

Following the organizational chart, resumes of the key personnel can be seen highlighting their experience, qualifications and any specialized training.



# BILL KEATON, P.E.

Officer-in-Charge and Project Manager

Mr. Keaton is Vice President of Engineering at Anderson & Associates, Inc. He manages a variety of civil engineering projects, He has over 20 years of experience in a variety of environmental and wastewater projects, and holds a BS in Civil Engineering, and a BA in Business from the West Virginia Institute of Technology, as well as an MBA from Webster University. Bill has worked on projects in several states, including North Carolina, Virginia, West Virginia, Tennessee, and New York. Keaton's experience allows him to use his knowledge to create effective engineering plans and solutions that will satisfy our clients goals. His experience is listed below:

**POTABLE WATER TREATMENT PLANT REPLACEMENT, RADFORD ARMY AMMUNITION PLANT/ALLIANT TECH SYSTEMS, INC., RADFORD, VA.** A&A assisted ATK by providing a detailed evaluation of the existing Building 419 Potable Water Treatment Plant. The evaluation assessed the capacity, condition, risks, and costs of upgrading individual treatment and pumping units. An evaluation of existing potable water treatment plant and related facilities was conducted. Life cycle cost assessment for upgrade versus replacement, and design of a new state of the art water treatment plant on a fast track basis. Project Engineer.

**CLARKE COUNTY SANITARY AUTHORITY, BERRYVILLE, VA.** Providing an updated PER and water model for the water treatment plant and water distribution system. The PER will address the feasibility and associated costs to update the existing SCADA system or converting to a radio system, updating control equipment, and evaluating the capability for the plant to produce more water to meet demands in the area. The water system model will evaluate the capability of the distribution system to meet current and existing demands and will provide a prioritized list of recommended water system improvements.

**COMPREHENSIVE WATER TREATMENT PLANT EVALUATION, POCAHONTAS, VA .** A&A prepared a PER to assess the Pocahontas WTP and compare upgrade and replacement alternatives. A&A performed a brief rate study to determine if rates are adequately set. The study involved reviewing pumps, processing piping, structures, tanks, intakes, basins, and instrumentation controls. This work was funded by a 2012 WVBPH Planning Grant.

**CLARKE COUNTY SANITARY AUTHORITY, BERRYVILLE, VA.** Providing an updated PER and water model for the water treatment plant and water distribution system. The PER will address the feasibility and associated costs to update the existing SCADA system or converting to a radio system, updating control equipment, and evaluating the capability for the plant to produce more water to meet demands in the area. The water system model will evaluate the capability of the distribution system to meet current and existing demands and will provide a prioritized list of recommended water system improvements.



## EDUCATION:

BS/1993/West Virginia Institute of Technology/  
Civil Engineering

MBA/1992/Webster University

BA/1987/West Virginia Institute of Technology/  
Environmental Engineering

## REGISTRATION:

Virginia

West Virginia

Tennessee

## YEARS OF EXPERIENCE:

With A&A since 2013

With other firms 25 years



# R. KEITH BOYD, PE

## Quality Assurance / Quality Control

Mr. Boyd joined A&A in August 2009 as the Vice President of Land Development, bringing with him over twenty years of experience. Mr. Boyd is a Certified Energy Manager with the Association of Energy Engineers, and spent over nine years with Virginia Tech as the Director of Mechanical Utilities having overall responsibility for the campus mechanical utilities systems including water and steam distribution, sanitary sewer system, storm sewer system, and campus chilled water system. His knowledge and expertise include water and steam distribution, sanitary sewer system, storm sewer system, and campus chilled water system. Mr. Boyd is also an active participant in the New River Valley Economic Development Alliance. The Alliance is charged with marketing the New River Valley, fostering job creation, facilitating new investment and improving quality of life in the area.

**GILES/PEARISBURG BOAT RAMPS**, GILES COUNTY, VA. A&A assisted Giles County and the Town of Pearisburg on the addition of two boat ramps located at the Bluff City and River Bend Park sites. For the Bluff City site, a previously existing entrance road and ramp was to be relocated in order to be off of Norfolk-Southern property, according to a preliminary analysis. The River Bend Park location was given a ramp along with the design of a paved parking lot which holds approximately 30 vehicles. Both locations were given environmental and archeological surveys. A&A project team members coordinated with Giles County, the Town of Pearisburg, and VDOT on all related matters. Officer-in-Charge.

**NEW RIVER TRAIL EXTENSION**, PULASKI, VA. A&A provided professional engineering services associated with the preparation of the Transportation Enhancement (TE) Grant funding application for this project which included the preparation of a detailed schematic design including approximately 5.5 miles of preliminary alignments and required features such as parking areas, low water bridges, pedestrian signals, project signage, and selection of optimal road crossing locations. In addition, preliminary quantity take-offs along with an engineer's preliminary cost estimate were provided.

A&A also provided narrative descriptions of the proposed trail extension and of the future plans for the trail which will eventually connect Galax, Virginia to the Town of Pulaski, the City of Radford, the Town of Christiansburg, and the Town of Blacksburg.

A&A completed the design of Phase I and Phase II of this new trail section which will extend the New River Trail from its current terminus in the Town of Pulaski to Randolph Park. This 5.5 mile section of trail will include road crossings, bridges, boardwalks, pedestrian signals, signage, parking area design, and at least one railroad crossing. Project Manager.



### EDUCATION:

BS/1981/Virginia Tech/  
Mechanical Engineering

### Registration:

Professional Engineer/  
VA/1991

Professional Engineer/  
NC/2012

Professional Engineer/  
WV/2012

### Years of Experience:

With A&A since: 2009

With other firms:  
28 years

### Professional Membership:

American Society of Civil  
Engineers

Association of Energy  
Engineers



# SCOTT CRAMER, PE

## Project Engineer

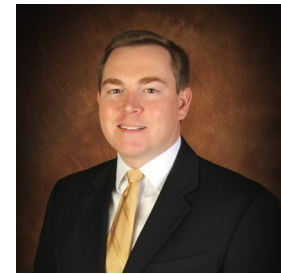
Mr. Scott Cramer joined the A&A team in 2013 as a Project Engineer. A 2006 graduate of Virginia Tech, Mr. Cramer has been active with multiple engineering firms around the state of Virginia. Some of Mr. Cramer's experience includes, but not limited to, site design, drafting, CAD drafting, land surveying, and consulting services for institutional, commercial, and municipal construction projects. His more relevant experience is listed below.

**SIDEWALK/BIKEWAY SURVEY AND DESIGN, RURAL RETREAT, VA.** Designed pedestrian improvement projects (Phases 1-9) for TE funded sidewalk and bike facility improvements throughout the Town of Rural Retreat. A&A performed field surveys and then designed and drafted improvements for sidewalks, bike lanes, road widening, curb and gutter, retaining walls, and storm sewer.

**WYTHEVILLE HERITAGE WALK, WYTHEVILLE, VA.** A&A is involved with the final phases of the Wytheville Map 21 Heritage Walk Project. The goal of the overall project is to connect the Withers Park to the Elizabeth Brown Park. The approximate length of the project consisted of 1,500 feet of trail. Other challenges included steep grading, urban traffic, and rights-of-way. A&A collected data and performed field survey work to develop plans for the new walkway. Other services included construction administration, planning, and environmental assessments. Project Engineer.

**EAST TOWER PROJECT, JAMES MADISON UNIVERSITY, HARRISONBURG, VA.** A new 150,000sf facility will house the University's Health and Human Services programs. Anderson & Associates, Inc. provided detailed civil engineering services from the concept design phase through construction. These services include preparation of schematic, preliminary, and working drawing site plans, utility design, stormwater management, and grading & drainage design. Project Engineer.

**BLACKSBURG INDUSTRIAL PARK, PHASE V, BLACKSBURG, VA.** Anderson & Associates provided as-needed construction phase assistance to the Montgomery County Economic Development Authority for the TORC project in Phase V of the Blacksburg Industrial Park. Duties for this project included review of contractor's site work and utility product submittals, provide site visits to monitor the construction of the two stormwater management pipe detention systems the water quality bio-retention cell, and the Filterra water quality unit, and various other miscellaneous tasks on an on-call/as-needed basis. Project Engineer.



### EDUCATION:

BS/2006 Virginia Tech/Civil Engineering

MS/2008/ Virginia Tech/ Civil & Environmental Engineering

### REGISTRATION:

Professional Engineer/VA/2012

### YEARS OF EXPERIENCE:

Professional Engineer/ VA/2012

### YEARS OF EXPERIENCE:

With A&A since 2013  
With other firms: 5

# DENNIS A. AMOS, PE

## Project Engineer

Mr. Amos began his career with the West Virginia Department of Transportation, prior to moving to private sector engineering. He has been with Anderson & Associates, Inc. since 2005. His experience includes work with water and sewer systems, transportation systems, and hydraulic analysis. He brings extensive knowledge of funding requirements and governmental regulations.

**WYTHEVILLE HERITAGE WALK, WYTHEVILLE, VA.** A&A is involved with the final phases of the Wytheville Map 21 Heritage Walk Project. The goal of the overall project is to connect the Withers Park to the Elizabeth Brown Park. The trail crosses Main Street and runs through an active alley. The approximate length of the project consisted of 1,500 feet of trail. Other challenges included steep grading, urban traffic, and rights-of-way. A&A collected data and performed field survey work to develop plans for the new walkway. Other services included construction administration, planning, and environmental assessments. Project Manager.

### RED SULPHUR PSD, WV.

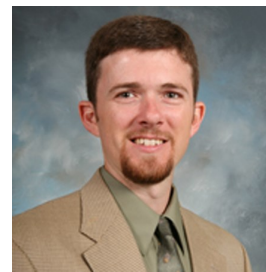
- ◆ **Lindside Wastewater System Extension** – Develop plans, contract documents and technical specifications for the extension of the existing Red Sulphur PSD wastewater collection system from Peterstown to Lindside. Included in the project were various gravity collection system components and the design of three wastewater pumping stations and associated force mains.
- ◆ **Red Sulphur Water System Extension – Phase II** – Develop plans, contract documents and technical specifications for the extension of Red Sulphur PSD's existing water distribution system from Peterstown to Bozoo and from Lindside to Rock Camp. Included in the project were various distribution system components and the design of a pump station and water storage tank.

### LASHMEET PSD, WV.

- ◆ **Spanishburg Water System Extension** – Develop plans, contract documents and technical specifications for the extension of West Virginia American's existing water distribution system into Spanishburg.

### EASTERN WYOMING PSD, WV.

- ◆ **Mullens Water System Improvements** – Develop plans, contract documents and technical specifications for the replacement of the existing Mullens water distribution system. Included in the project were various distribution system components, two water storage tanks, and a new water treatment facility.



#### EDUCATION:

BS/1998/West Virginia University/Civil Engineering

#### Registration:

Professional Engineer/VA/2005

Professional Engineer/WV/2003

#### Years of Experience:

With A&A since: 2005

With other firms:  
7 years

#### Professional Membership:

American Water Works Association

American Society of Civil Engineers



# CHRISTOPHER B. KAKNIS, LS

## Survey Manager

Mr. Kaknis began his survey career at A&A as a rodman and is now the Associate Vice President of the survey department. He works closely with other Survey Managers to coordinate the allocation of survey crews and equipment. Mr. Kaknis also provides day-to-day supervision and direction to field crews and in-house CADD operations, as well as quality control reviews. During his 25 years of service he has successfully managed a variety of large projects that include, GPS, topographic, route, utility, boundary, construction staking, control, and aerial surveys.

**OAKHURST GOLF COURSE**, WHITE SULFUR SPRINGS, WV. Provided a 750 acre boundary survey consisting of four mountainous tracts for development of a gated golf community located in Greenbrier County, West Virginia. The developer/designer Jack Johnson Company, and developer/owner Lewis Keller, worked together to create Oakhurst Links. A&A also performed a reconnaissance of the site and delineated all jurisdictional waters including wetland and streams. Survey Manager.

**BOUNDARY SURVEY**, LEWISBURG, WV. A&A prepared a boundary survey of approximately 1,000 acres in Greenbrier County for Land Resource Companies. Survey Manager.

**IRON GATE COMMUNITY PARK**, IRON GATE, VA. Anderson & Associates, Inc. conducted a field survey, developed a master plan, and provided construction documents for Iron Gate Park, the Town of Iron Gate's community park. The Town was awarded a grant from the Allegheny Foundation in 2006 for park improvements. The master plan and subsequent construction documents developed by A&A, built upon an earlier plan and addressed changes in the Town's vision for the park, including additional community gathering areas and a skate park. A large-scale children's play structure, walking path, picnic facilities, restroom and concession structure, and horse-shoe pit are representative of other amenities provided in the park. A major engineering element to make the site more useable was the burying of an existing drainage channel by using elliptical concrete pipes. Doing so opened up more than a third of the site that was previously inaccessible to recreational use. Survey Manager.

**ROANOKE RIVER GREENWAY**, CITY OF ROANOKE, VA. Anderson & Associates, Inc. is assisting the County in the planning and design of a portion of the Roanoke River Greenway from the Western Virginia Water Authority Water Pollution Control Plant at the Roanoke County line to the Blue Ridge Parkway. The project was funded through the Enhancement Grant funds will be administered consistent with the VDOT Transportation Enhancement Program guidelines. Services include concept design, cost estimating, surveying, geotechnical engineering, environmental coordination, public involvement, and preparing construction plans, specifications, and contract documents. Survey Manager.



### EDUCATION:

Course Work/Virginia Tech/Forestry

### REGISTRATION:

Certified Land Surveyor/VA/2001

Certified Professional Surveyor/WV/2003

Certified Professional Surveyor/NC2011

Confined Spaces Certification

CSX General Training Certification

### YEARS OF EXPERIENCE:

With A&A since 1985

With other firms 1 years

### PROFESSIONAL MEMBERSHIPS:

Virginia Association of Surveyors



# CARMEN B. DUNFORD

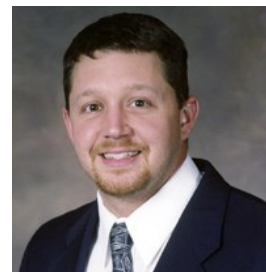
## Design Technician

Before joining A&A, Mr. Dunford worked with the Department of Conservation and Recreation on the installation of new water and electric lines throughout Claytor Lake State Park. Since joining A&A, Mr. Dunford has assisted in the preparation of design plans and details for numerous projects. He also has extensive onsite construction inspection experience. His experience is highlighted below:

**BLACKSBURG MARKET SQUARE PARK, BLACKSBURG, VA.** A&A worked with the Town of Blacksburg, market vendors, Friends of the Farmers Market, and the public to re-develop an old parking lot in Downtown Blacksburg into a farmers market and public park. Design of this project began with the development of multiple conceptual plans based upon feedback received at public meetings regarding the aesthetic vision and functional goals of the project. The conceptual/preliminary design considerations included site layout, use of renewable materials and sustainable concepts, relocation of existing underground electric facilities, site lighting, parking, pedestrian and automotive traffic flow, connection of the site to existing adjoining properties, landscaping elements, erosion and sediment control, and storm water management. The detailed design of the project involved implementation of the conceptual plan and extensive coordination with the structure architect, utility owners, electrical engineer, adjacent store proprietors, town parks and recreation department, town planning department, town engineering department, town public works department, and town police department.

**SIDEWALK BEAUTIFICATION, TOWN OF DAYTON, VA.** Provided professional engineering services for the Town of Dayton's Sidewalk Beautification Project which was developed in 3 phases. The project consisted of designing and constructing approximately 12,500 square feet of sidewalks, including a bike path, landscape beautification, curb & gutter, storm sewer lines, impacts to private property, erosion & sediment control, and the development of the final design and construction on the selected route. This project was funded through Virginia Department of Transportation's (VDOT) Transportation Enhancement (TE) Program.

**WASTEWATER SYSTEM IMPROVEMENTS, HARPER'S FERRY JOB CORPS CENTER & JEFFERSON COUNTY HIGH SCHOOL, JEFFERSON COUNTY, WV.** The Jefferson County PSD undertook a project to connect a wastewater stabilization pond and a small wastewater treatment plant to public sewer. A&A provided planning, environmental, and engineering design services to Mark Jeffries Engineering, the PSD's project manager for the work. A&A prepared construction contract documents, plans and technical specifications for two wastewater pump stations and approximately 15,000 feet of force main. The unique force main design included an intermediate pump station which allowed flexibility for the expansion of Jefferson County High School, and the force main also allowed connection of a new pump station to serve industrial development.



### EDUCATION:

AAS/1995/New River  
Community College/  
Architectural  
Technology

### REGISTRATION:

Erosion and Sediment  
Control Certification

VDOT Asphalt Field  
Certificate

### YEARS OF EXPERIENCE:

With A&A since: 1996



# MARK T. CLINE, PE

## Project Engineer

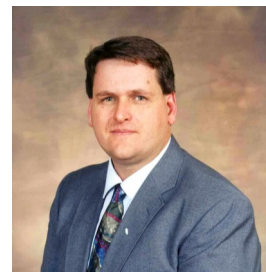
Mr. Cline has a wide range of experience in inspection, surveying, and civil engineering technology. With over 25 years of experience, he has performed a tremendous amount of industrial/commercial design, client prospect meetings, backflow testing, and K-12 and higher education site design. He has been involved in construction inspection and surveying since 1987, and in project design since 1990.

**VETERANS ADMINISTRATION MEDICAL CENTER, BECKLEY, WV.** Anderson & Associates, Inc. teamed with SFCS Architects to provide civil engineering services for the design of a two level facility to house an adult day care, offices, and storage space at the Beckley VAMC. A&A provided topographic surveying services and complete site plans for construction which contain grading plans, erosion and sediment control plans, paving plans, water quantity and quality management design, drainage design, landscape design, and utility design & coordination. A&A will also provide limited construction phase assistance services during the construction of the facility. Project Manager.

**CROSSROADS MALL, BECKLEY, WV.** Anderson & Associates, Inc. provided Pennsylvania Real Estate Investment Trust (PREIT) with an initial evaluation of a parcel for development suitability. Once it was determined that the site was developable, A&A provided surveying services related to boundary line adjustments, easements plats, boundary line vacations, and rights-of-way dedications. A&A prepared complete site plans for the realignment of a portion of the mall ring road to allow room for development of a gas station on the front outparcel. A&A also provided complete site plans for the construction of a new Petsmart store at the mall. Currently, A&A is preparing site plans for the addition of a Dick's Sporting Goods Store at the mall. Each of these site plan sets contained demolition plans, grading plans, erosion and sediment control plans, paving plans, storm drainage design, landscape design, and utility design & coordination. Project Manager.

**PINE MOUNTAIN SUBDIVISION, GRAYSON COUNTY, VA.** Anderson & Associates, Inc. provided engineering services for a 14-lot residential project of approximately 148.5 acres along Peach Bottom Road in Grayson County. A&A prepared erosion and sediment control plans and calculations in accordance with the Virginia Department of Conservation and Recreation (DCR) requirements. Project Manager

**COMMUNITY HEALTH CARE CENTER, FLOYD, VA.** Provided sitework civil services including grading plans, stormwater management design, erosion & sediment control design, utility design, landscape design, and surveying services. Project Manager.



### EDUCATION:

A.A.S/1985/Wytheville  
Community College/Civil  
Engineering Technology

### REGISTRATION:

Erosion & Sediment  
Inspector Control  
Certification

ACI Concrete Field Testing  
Tech-Grade I

VDOT Soils and Aggregate  
Field Certification

VDOT Asphalt Field  
Certification

National Institute for  
Certification in Engineering  
Technologies (NICET)  
Underground Utilities  
Construction - Water /  
Sewer Lines II

Backflow Prevention Tester

### YEARS OF EXPERIENCE:

With A&A since: 1987

With other firms:  
3 years

### PROFESSIONAL MEMBERSHIPS:

National Institute for  
Certification in Engineering  
Technologies

Virginia Cross Connection  
Control Association



# DANIEL H. LIPSCOMB, PE

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Project Engineer at Triad, St. Albans branch

Mr. Lipscomb is currently a Project Engineer at the St. Albans branch of Triad. In this capacity, he has been involved in development and management of subsurface exploration projects and development of geotechnical engineering reports providing recommendations based on field observations and laboratory results for bearing capacity, earthwork operations, earthen dam embankments, slope stability, flexible and rigid pavement design, lateral earth pressures, sinkhole remediation, geophysics (electrical resistivity and ground penetrating radar), and rock excavation. These projects have included freshwater dams, shopping centers, roadway/bridges, buildings, retaining walls, residential communities, water storage tanks, waste water treatment facilities, and structures for coal mining facilities. Duties included assignment of laboratory testing, visual inspection of soil/rock specimens, geophysics, and earthen embankment evaluation. Mr. Lipscomb has additional experience in areas relating to civil site design, hydrologic and hydraulic design, grading plans, water line plans, sewer line plans, hydraulic calculations, storage tank sizing, booster station design, roadway layout and design, storm water management plans, technical specifications, environmental and regulatory permitting, blast monitoring, and construction quality control.

## **SUBSURFACE AND FOUNDATION INVESTIGATIONS**

(WEST VIRGINIA, VIRGINIA, MARYLAND, KENTUCKY, AND OHIO)

Mr. Lipscomb has performed subsurface and foundation investigations for various private business and industrial firms. The projects consisted of performing subsurface investigations and analysis and recommending appropriate foundation types based on the results of the subsurface investigation. The projects also involved estimating potential settlement, delineating potential subsurface problems, and providing related recommendations regarding the geotechnical aspects of the projects. A geotechnical report was prepared and provided to the client for each project. Mr. Lipscomb has also designed foundation systems for buildings and other structures.

## **CIVIL/SITE DESIGN PROJECTS (WEST VIRGINIA, AND VIRGINIA)**

Mr. Lipscomb has civil/site design experience related to the development of grading plans, cut/fill analysis, utility design/layout, hydrological analysis, hydraulic evaluations of open channel flow systems, storm sewer design, stormwater retention/detention design, sediment control structure design, preparation of permit applications, and consulting with clients, architects, regulatory agencies, and municipalities.



### **EDUCATION:**

BS, Civil Engineering  
Technology, Fairmont State  
College, WV

### **REGISTRATION:**

Professional Engineer, WV

### **YEARS OF EXPERIENCE:**

11





# JOE H. YOUNG, RLA

Senior Landscape Architect, Southwest Region

Mr. Young currently serves as Senior Landscape Architect for the Southwestern Region of Triad Engineering, Inc. In this capacity, he provides clients with a variety of landscape architectural services including site inventory and analysis, program production, conceptual design, design development, high quality graphic presentations, project management, construction document preparation and construction administration. In this capacity, Mr. Young brings 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 park and streetscape design, resort and campus master planning, subdivision layout, landscape and hardscape design, landscape design, grading and earthwork calculations, construction detailing, specifications, and estimating. 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.

**BOONE COUNTY SPORTS COMPLEX, JULIAN, WV.** Boone County Parks and Recreation (BCPR) wanted to expand the activities at their existing 130 acre park site near Julian West Virginia. The park is home of the Waterway, a swimming and water slide facility. BCPR enlisted the help of Triad Engineering to expand the facility and to provide other recreational opportunities for the community. The only available land for the expansion was in the Little Coal River flood plain. The development of this area required a flood study. Triad studied the flood prone area and determined that the development would not affect the flood plain or any downstream communities. Mr. Young worked with BCPR to incorporate their vision for the park and develop a program, construction documents and the permits needed for the construction of a football field, soccer field, baseball field, parking areas, restroom facilities, trailhead, and a 300 seat amphitheater.

**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.

**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



## REGISTRATION:

Professional Landscape Architect / WV, OH, KY

## YEARS OF EXPERIENCE:

26



# WILLIAM M. ERNSTES, ASLA

Land Development Services Manager, Senior Landscape Architect at Triad

Mr. Ernstes manages Triad's Northwestern Regional (Morgantown, WV and Bridgeville, PA offices) Civil Engineering & Land Development department, which also provides professional services in the areas of site inventory and analysis, planning, landscape architecture, and permitting. In this capacity, his responsibilities include project management, client project coordination, design production, quality control and quality assurance. Mr. Ernstes' experience includes land and infrastructure development, permitting, utilities, stormwater management and storm drain design / best management practices, and erosion and sediment controls. Mr. Ernstes also provides clients with a variety of landscape architectural services including site inventory and analysis, program production, conceptual design and development, high-end graphic presentations, and construction document preparation and administration.

Mr. Ernstes is currently a member of Triad's Board of Directors. He is also actively involved within the WV Chapter of the American Society of Landscape Architects, and previously served as the Chapter's President and Treasurer. Locally, he volunteers his time as a citizen planner for the Cheat Neck Planning District Advisory Committee (CNPDAC) which reports to the Monongalia County Planning Commission.

**BROADLANDS SOUTH, ARCOLA, VA.** Project Manager responsible for preliminary subdivision plans for this mixed use planned unit development. Development encompassed 1,465 residential units (single family detached, single family attached, single family patio, and multifamily units) and related commercial, parks and community uses. Adhered to preferred regulations and coordinated with applicable federal, state, and local agencies for approvals.

**SHEEPSKIN TRAIL, FAYETTE COUNTY, PA.** As Project Manager, providing planning and civil engineering services for the Sheepskin Trail project located in Fayette County, Pennsylvania on behalf of the National Road Heritage Corridor. The trail will be constructed on an abandoned rail bed and will extend approximately 1 ½ miles from the West Virginia / Pennsylvania state line (Mason Dixon Line) north through Point Marion to the bridge crossing at the confluence of the Monongahela and Cheat Rivers. A trailhead is also being incorporated near the Point Marion Park. Planning and Civil scope includes preparation of a preliminary design, construction documents, cost estimate, bid documents and permitting.

**THE BLUFFS AT FALLING WATER, MONONGALIA COUNTY, WV.** As Project Manager, providing planning and civil engineering services for a recreation trail for the upscale Bluffs at Falling Water project. The trail will provide residents within the community, private access to the existing Cheat Lake trail owned and operated by First Energy. The trail will route residents to private docks along the Morgan Run backwaters of Cheat Lake and include a spur to the existing trail. Project scope includes preparation of construction documents and local review / approvals.



## EDUCATION:

BS, Landscape Architecture  
West Virginia University,  
1994

## REGISTRATION:

Registered Landscape  
Architect  
VA [REDACTED], WV [REDACTED], MD  
[REDACTED], PA [REDACTED] (9)

## YEARS OF EXPERIENCE:

20

# E. REFERENCES

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**Mike Watson**, Town Manager

Town of Bluefield

PO Box 1026

Bluefield, VA 24605

276-322-4626

**Chris Clark**, Public Works Director/Engineer

County of Allegheny

9212 Winterberry Avenue, Suite A

Covington, VA 24426

540-863-6650

**Mike Kennedy**, Public Works Director

City of Lexington

890 Shop Road

Lexington, VA 24450

540-463-3154

**Dean Upton**, General Manager

Princeton Sanitary Board

PO Box 4950

Princeton, WV 24740

304-425-9599

# F. PROJECT APPROACH

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- A. The project team will attend monthly project meetings with the project team which includes the West Virginia Department of Natural Resources. During these meetings, schedule, costs and expected progress will be discussed along with any other items to be decided. Additionally, a monthly progress report will be forwarded to the team members. This report include budgetary items and the items listed above
- B. The project team uses Microsoft Project to schedule and track the tasks/expenditures relating to each project. This schedule will be updated and included in the progress meeting. As part of this project the following items will be included:
  - a. During design estimated opinion of probable cost at 50%.
  - b. During design estimated opinion of probable cost at 90%
  - c. At the terminus of design a final cost estimate will be provided.
  - d. During bidding – value engineering will be used to ascertain if the bid prices are reasonable.
  - e. During construction monthly progress meetings will include budget and materials control with reconciliation of what the contractor is claiming against what is actually done.
- C. The construction schedule will be handled within the meetings described above. Corrections and changes will be undertaken when warranted. Any additional days due to weather of unforeseen circumstances will have to be documented and approved by the engineer.
- D. The project team has included previous projects that demonstrate our experience. It is expected that the following disciplines will be required:
  - a. Planning
  - b. Landscape Architecture
  - c. Site design
  - d. Utility design
  - e. Project Management and coordination with the entities involved
  - f. Geotechnical engineering
  - g. Environmental engineering

## **Phase 1—Pre-submission Site Plan Design Development**

### Task #1—Project Initiation

- ◆ Project start up, strategy, Initial meetings

### Task #2—Schematic Master Development Plan

- ◆ Layout and Rough Grading Plan
- ◆ Cut and Fill Assessment

### Task #3—Water and Sewer Evaluation

- ◆ Water supply system - research capacity/ flow requirements /tie in location
- ◆ Sanitary Sewer System - research capacity/ flow requirements/tie in location



# F. PROJECT APPROACH

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## Task #4—Wetlands and Ecological Assessment

- ◆ Wetlands Assessment
- ◆ ETR Species Habitat Assessment

## Task #5—Storm Water management Evaluation and Strategy

- ◆ Determined best practices going forward

## Task #6—Geotechnical Evaluation

- ◆ Test basic slope stability

## Task #7—Pre-submission Conference

- ◆ Coordinate meeting with the town of Poughkeepsie

## Phase 2—Detailed Site Plan Design Submission

### Task #8—Full environmental Assessment Form

- ◆ Preparation of Full EAF

### Task #9—Submittal of Master Development Plan

- ◆ Overall Master Development Plan

### Task #10—Submittal for Site Plan Approval—Phase 1 Commercial

- ◆ Cover
- ◆ Existing conditions Plan
- ◆ Demolition
- ◆ Preliminary Site Plan
- ◆ Grading and Erosion Control Plan
- ◆ Utility layout/ design/ coordination
- ◆ Fire apparatus/ Service vehicle plan
- ◆ Landscape Plan
- ◆ Lighting Plan
- ◆ Site Details

### Task #11—DOT Traffic Improvement Plans

- ◆ Coordinate separate DOT Submission
- ◆ Traffic Safety Plan

### Task #12—Engineering Report—Water Study

### Task #13—Engineering Report—Sanitary Sewer Supply

### Task #14—BPH Coordination

- ◆ Prepare water and sewer profiles
- ◆ Coordinate with and approval from DCWWA (water meter)
- ◆ Design Pump Station (Expand existing DeLaval Site)
- ◆ Coordinate Separate Plan submittal and details

### Task #15—Project Meetings, conference and correspondence

### Task #16—Response to regulatory comments

This is a project approach to get the project to bidding.



STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Anderson & Associates, Inc.

Authorized Signature: *[Signature]* Date: 11/16/2015

State of Virginia

County of Montgomery, to-wit:

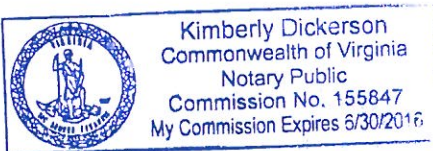
Taken, subscribed, and sworn to before me this 16<sup>th</sup> day of November, 2015.

My Commission expires June 30, 2016.

**AFFIX SEAL HERE**

**NOTARY PUBLIC**

*[Signature: Kimberly Dickerson]*  
Purchasing Affidavit (Revised 08/01/2015)



**CERTIFICATION AND SIGNATURE PAGE**

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

Anderson & Associates, Inc.  
\_\_\_\_\_  
(Company)

*Will B. [Signature]* *11/16/15*  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

540-552-5592 / 540-552-2729 / November 18, 2015  
(Phone Number) (Fax Number) (Date)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI 0310 DNR1600000005**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further 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.

Anderson & Associates, Inc.

Company



Authorized Signature

November 18, 2015

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

Revised 6/8/2012





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

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

Proc Folder: 146150

Doc Description: Addendum; A&E-Campground Improvements Beech Fork/Pipestem

Proc Type: Central Contract - Fixed Amt

| Date Issued | Solicitation Closes    | Solicitation No         | Version |
|-------------|------------------------|-------------------------|---------|
| 2015-10-21  | 2015-11-18<br>13:30:00 | CEOI 0310 DNR1600000005 | 2       |

**BID RECEIVING LOCATION**

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

**VENDOR**

Vendor Name, Address and Telephone Number:

**FOR INFORMATION CONTACT THE BUYER**

Guy Nisbet  
 (304) 558-2596  
 guy.l.nisbet@wv.gov

Signature X *William B. Kinton*

FEIN # 54-1035891

DATE 11/16/2015

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

**ADDITIONAL INFORMATION:**

Addendum

Addendum No.01; issued to publish and distribute the attached information to the vendor community.

\*\*\*\*\*

CEOI

The West Virginia Purchasing Division for the Agency, The West Virginia Division of Natural Resources, Parks and recreation Division is soliciting CEOI responses from qualified firms to provide engineering, landscape architectural and other related services to design improvements to campgrounds at Pipestem Resort State Park, Pipestem, WV. 25979 and Beech Fork State Park, Barboursville, WV. 25504, per the attached CEOI specifications, and terms & conditions.

| INVOICE TO   | SHIP TO  |
|--|--|
| DIVISION OF NATURAL RESOURCES<br>PARKS & RECREATION-PEM SECTION<br>324 4TH AVE<br>SOUTH CHARLESTON WV25305<br>US | STATE OF WEST VIRGINIA<br>JOBSITE - SEE SPECIFICATIONS<br>No City WV 99999<br>US |

| Line | Comm Ln Desc              | Qty | Unit Issue |
|------|---------------------------|-----|------------|
| 1    | Architectural engineering |     |            |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 81101508  |              |               |         |

**Extended Description :**

AE Services Pipestem and Beech Fork Campground improvements.

|                     |                                |  |                              |
|---------------------|--------------------------------|--|------------------------------|
| <b>DNR160000005</b> | <b>Document Phase</b><br>Final | <b>Document Description</b><br>Addendum; A&E-Campground I<br>mprovements Beech Fork/Pipestem | <b>Page 3</b><br><b>of 3</b> |
|---------------------|--------------------------------|--|------------------------------|

**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions