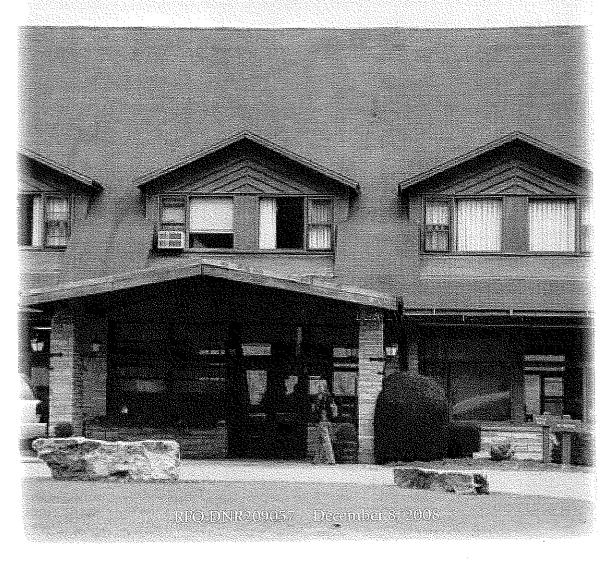
# Proposal to the Division of Natural Resources Parks & Recreation Section for Architectural & Engineering Services

for the

# Cacapon State Park Renovation and Expansion



GROVE & DALL'OLIO
ARCHITECTSPLLC



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ASIMS DIVISION



Team Proposal

Project Approach
Firm's Experience with Similar Projects

GDA Project Team

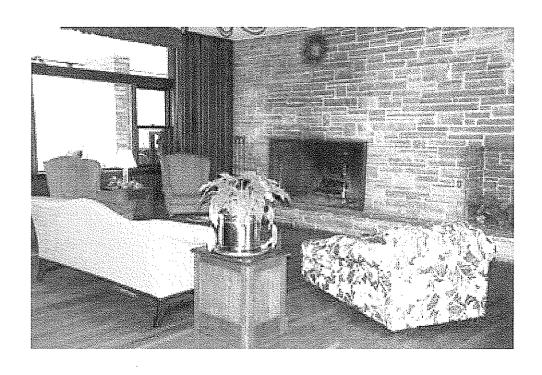
Ability to Complete Work in a Timely Manner

Ability to Meet Project Budget Constraints

Firm Profiles

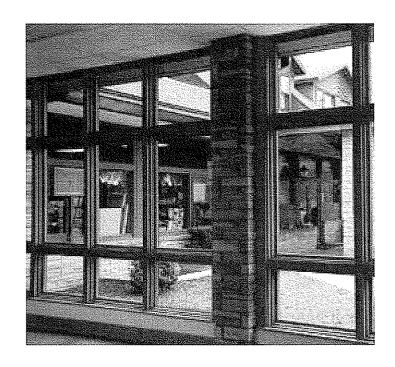
Team Resumes

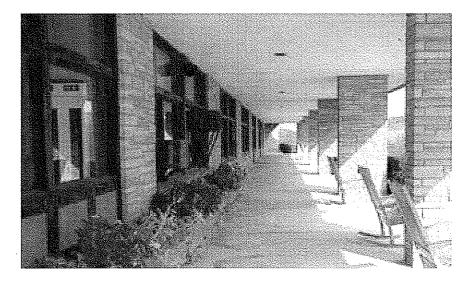
Relevant Experience (expanded)



We are pleased to herewith submit design team credentials for consideration for the expansion, renovation and system improvements to the Cacapon State Park. The design team assembled includes Grove and Dall'Olio Architects (GDA), a West Virginia design firm, Comfort Design for Mechanical, Electrical and Plumbing Engineering, Structural Concepts Inc for Structural Engineering and View Engineering for Civil and Landscape Design.

The team has worked together on many projects of a similar type and size. GDA is a woman owned Architecture firm that has received AIA design awards for successful contextual additions onto West Virginia properties. GDA has two offices in the Eastern Panhandle. One is within 25 minutes of Cacapon State Park. The project team is well versed at working within strict budgets and timelines and has the availability to begin work immediately.





The Cacapon State Park holds a dear place in the hearts of many residents in our community and many of our team members. We have enjoyed afternoons on the beach with our small children and spent holidays with extended family. The scenic beauty and tranquility in the area is inspiring. We feel strongly that the addition and renovation could greatly enhance these experiences allowing a greater number of guests and offering larger well appointed rooms for savvy travelers.



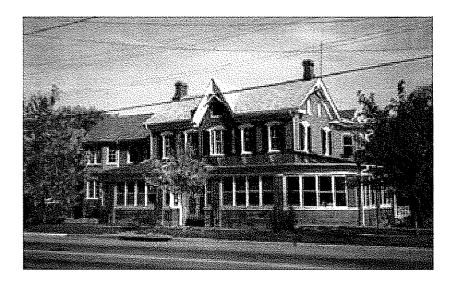
The main entrance, for example, that allows the gorgeous view through the main large lobby could be dramatically enhanced with minor modifications and improvements.

The power of a first impression is lasting. GDA has consulted with many establishments to improve that initial image. Often times simple solutions can dramatically enhance a space. At the Cacapon State Park Lodge entrance the guest is greeted by a magnificent view of the exterior but the view is somewhat eclipsed by the foreground. Throughout the project we would endeavor to create comfortable spaces which enhance the beauty of the surroundings.



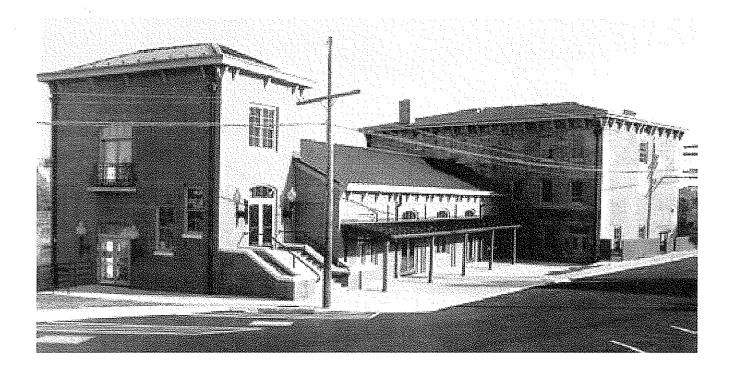


The addition and renovation will need to be sympathetic to the original design and feel of Cacapon State Park. GDA has worked on many properties where it is vastly more important to create contextual space than leave a design signature on the project. GDA received an AIA design award for the addition and renovation to the Morgan County Library in downtown Berkeley Springs. The design allowed the original historic house which had been donated to the Library to remain the prominent feature while adding nearly 10,000 square feet of usable space.



GDA also created an AIA award winning design for the new Caperton Train Station addition to the B&O Hotel in downtown Martinsburg, West Virginia. This project was designed to be sympathetic to the Hotel and 19th century Roundhouse Center Shop Complex across the tracks. The condemned early 19th century Hotel was renovated into office and retail suites.

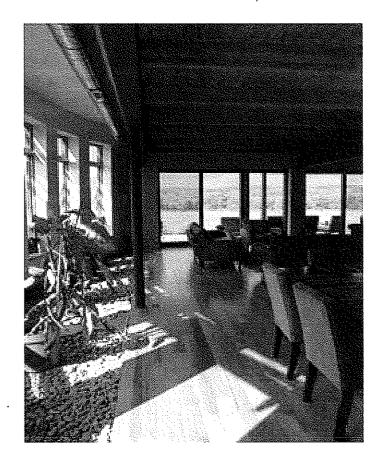
GDA is currently working on the creation of a 5 star Inn and Restaurant in Jefferson County, West Virginia and the new 56,000 square feet of space for the Physical Plant for Essroc Italcementi in Martinsburg.

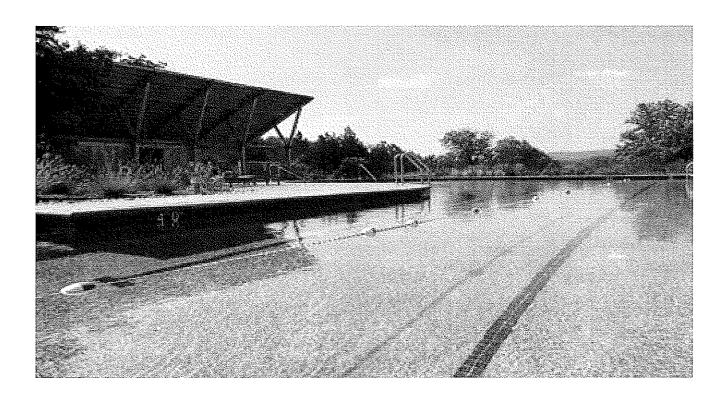


Energy Efficiency and Green Design Experience:

The design team has experience with incorporating new technologies into existing architecture. We have completed several projects utilizing passive solar, geo- thermal systems for heating and cooling, solar hot water systems, and rain water collection and distribution. Our firm also ushered through the State's first Bio-kinetic septic filtrations system for use at the Broomgrass Organic Farm Community. We have experience working with

GDA recently designed a state-of-the-art swimming pool for a new community called Broomgrass. The pool has automatic salt water chlorine generation, a pebble tec interior, Titanium glazed self-cleaning ceramic splash tiles and a solar hot water heater which should offer several decades of near maintenance free enjoyment. The landscape design for the pool incorporates native plantings which will require little maintenance and water.

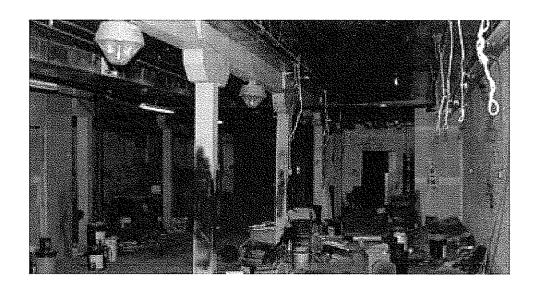






The proposed project team has also designed commercial kitchens, restaurants and a nightclub. Duffy's on Potomac is a new restaurant which was created in an old hardware store in downtown Hagerstown. Ava's is a new martini bar which once was a storage warehouse behind the same hardware store. The Peking Restaurant in Martinsburg, West Virginia was once two storefronts that were combined into one and revitalized for use as a thriving Chinese Restaurant. Each of the restaurant designs has an individual personality suited for that particular type of dining experience. The restaurant at the Cacapon State Park could easily be transformed into a dining landmark.

Before and after images of AVA's nightclub in the lower level of the Schindel-Rohrer Building in downtown Hagerstown, Maryland.





The owner of the Peking Restaurant wanted the restaurant space to be appropriate for a Chinese Restaurant but flexible enough to serve a different restaurant tenant. The bold booth fabrics, concrete counters, halogen lighting table spots and color scheme blended well the new use. The art deco lighting and traditional furnishings helped the new use blend with the period interior.





Before and after images of Ground Floor of Hardware store which has now become Duffy's on Potomac in downtown Hagerstown, Maryland



The consultant team we propose for this project is made up of talented and experienced professionals:

# Grove & Dall'Olio Architects PLLC Project Staffing:

Lisa Dall'Olio, AIA will serve as the Principal-in-Charge. Lisa has been working in the field for over 16 years serving both the public and private sector. Lisa's knowledge and experience with cost estimating and code compliancy makes her the best qualified to lead this portion of the project.

Matthew Grove, AIA will be the Project Architect and the lead contact, preparing necessary drawings and designs for review and discussion purposes. Matthew has over 19 years of experience working on new and existing buildings. As Project Architect, Matthew will coordinate the engineering and architecture into an aesthetic whole.

Timothy Yates will assist with data collection, product research, computer drafting, modeling and production. His experience in the building industry brings to Grove & Dall'Olio a contractor's perspective. This viewpoint is valuable both in detailing and during construction.

Shelly Holliday will provide a mix of clerical, administrative and material selection services in the development of this project.



# **Structural Concepts**

Project Staffing:

As the Principal of Structural Concepts, Jody Fox PE will oversee all design work issued from their office. As Senior Engineer, Mr. Fox will attend key meetings through the course of the project.

Jeff Layman will serve as the Project Engineer throughout the length of the job, providing structural designs, details and specifications.

# **Comfort Design**

Project Staffing:

Roger Catlett PE will be the Senior Mechanical Engineer on this project overseeing all work that his firm generates. Mr. Catlett will attend meetings at times when needed.

Joshua Catlett PE will be the Project Engineer on this project and will develop mechanical and plumbing drawings and specifications as well as cost estimates for those portions of the job. Josh will coordinate his work with that of his associate engineers prior to submitting documents to the architect's office.

Michael Howell PE will provide Electrical Engineering for this project. Mr. Howell will calculate energy usage and develop power and lighting schedules necessary in determining overall power need. Mr. Howell will coordinate with the local power company on service issues.

Ken Thomas PE will be the Senior Sprinkler Engineer on this project. Mr. Thomas will develop fire suppression documents in drawing and specification format for the State Fire Marshall review.





View Engineering Project Staffing:

Richard Travers serve as Project Engineer. Mr. Travers has served as Senior Project Engineer for municipal infrastructure. His experience includes design of roads, parking facilities, trails, water and sewer lines, storm drainage and storm water management facilities.

John Strong would provide Construction Management expertise. He offers over 27 years of experience in Construction, Geotechnical Services, and quality assurance standards.

Leesa Davis, RLA would provide the landscape design services. Leesa recently designed the landscaping for the proposed 5 star Inn in Jefferson County, West Virginia. She offers over 15 years of experience in land planning, landscape architecture and related engineering services.



#### **EXPRESSION OF INTEREST**



Cacapon State Park

Cacapon State Park is one of an estimated 800 parks constructed across the nation through the Civilian Conservation Corps program. With discussions of renewing some of these national programs, this may very well by the ideal time to have these documents prepared and ready in the event the funds and/or labor to build them become readily available. The design team is excited about the proposed project and would be proud to work on something that is such a part of our local community.

Anticipated concepts and approach to the project:

Our firm does not solely design hotels or resorts. We are a firm that prides itself in designs which are appropriate in terms of scale, materials and form to the original architecture. The program for the client is strictly followed to provide fully functional space which is ideally suited to the individual client and not pulled from previous similar projects. The materials should blend well with nature and allow the phenomenal views to be captured and framed. The HVAC system should be efficient, invisible to the public and comfortable.

GDA meets the insurance requirements of the State of West Virginia and has successfully worked with the Division of Culture and History.

#### **DESIGN PROCESS**

The project will require a design development process encompassing the following basic steps:

#### A Information Collection

- The design team will compile existing conditions information by verifying that the existing conditions match the plans and exterior elevations.
- The design team will meet with the project representatives to gain any additional background information about current short and long term plans for the property and to discuss budget.
- The site survey of the immediate area would be updated to show any recent improvements. Schematic designs of the site showing locations of proposed improvement options would be prepared.

#### EXPRESSION OF INTEREST



Cacapon State Park

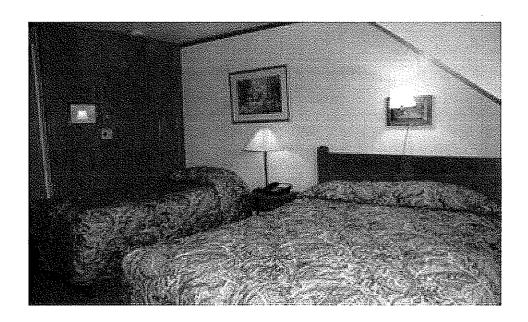
- Design charettes (intense open thought-provoking design sessions): A charette will be scheduled for all project representatives and design team members.
- GDA would conduct a code review gleaning the requirements for the new facility from the American with Disabilities Act, The International Building Code and the State Fire Code.
- GDA will prepare a written summary of the final building program

# **B** Schematic Design and Cost Estimate Phase

- Upon completion of these Preliminary Charettes, three Schematic Design Alternatives will be developed by the Design Team and presented for comment.
- The selected scheme or combination of schemes will be revised to reflect input from the State.
- The revised scheme will be used to develop preliminary construction cost estimates.

# C Final Report Phase

- The preferred design concept will then be modified to incorporate comments from the client. Phasing options will be outlined to assist with long range planning and GDA will prepare a final cost estimate to provide a cost range for the recommended improvements.
- The final Schematic Design, cost estimate and phasing plan will be presented in a Final Report. The format will be clear, concise, and attractive, rendering it useful as a planning tool, but also a functional fund raising and public relations tool.



# D Construction Document Phase

- Construction Documents (drawings, specifications and contract documents) will then be developed for the proposed improvements.
- The design team will submit the construction documents for review to the appropriate authorities having jurisdiction over the project.



# E Contractor Bidding & Negotiating Phase

- GDA will assist the State as necessary during the Bidding Phase to secure as many competitive bids as possible.
- During the bidding phase GDA and their consulting engineers will respond to questions from contractors through addenda.
- GDA in concert with the State Representatives will host a Pre-Bid Conference at the site to familiarize the bidders with site limitations.
- Upon receiving bids, GDA is able to assist with the compilation of the bid information.
- At the Owner's request, GDA will prepare the AIA Owner/ Contractor Agreement for signature by both parties.

#### F Construction Observation Phase

• GDA will provide construction phase services such as attend progress meetings, answer contractor questions, review and process contract documents.

## ABILITY TO WORK WITHIN A BUDGET



Cacapon State Park

#### **COST ESTIMATING:**

- GDA offers MEANS° Construction Cost Data Estimates periodically throughout a project
- The scope of work and design development are modified as deemed necessary by the periodic cost estimates.

EXAMPLE: Shepherd CTC scope was decreased based upon cost estimate prepared at 60% completion. The documents were then finalized and the project completed within budget and on time.

• GDA averages less than 5% change orders on projects (excluding add alternates)

#### OFFERING PHASING OPTIONS WITHOUT RE-BIDDING:

- Where project funding may be insufficient at the time of bidding, certain elements are included in the construction bid package as separate add alternates
- Should funding be added later these elements can be incorporated without added expense of creating new docs or re-bidding

The following list represents local projects of a similar nature and scope that were completed within budget:

PROJECT	LOCATION	CONTRACT AMOUNT	WITHIN BUDGET
US District Courtroom Renovation	Martinsburg, WV	750,000	\ \ \
Roundhouse Complex • Roof Restoration • Masonry Restoration • Doors & Windows	Martinsburg, WV	1,050,00 430,000 1,140,000	V V
Old B&O Station Hotel Office Suite Conversion • Interior Renovation	Martinsburg, WV	1,100,000	
US Multi-purpose Courtroom & US Clerks Offices	Martinsburg, WV	1,200,000	<b>V</b>
US Probations Offices	Martinsburg, WV	300,000	V
Shepherd College Community Technical College	Martinsburg, WV	440,000	V
Morgan County Library	Berkeley Springs, WV	740,000	V

#### ABILITY TO WORK WITHIN TIME CONSTRAINTS



Cacapon State Park

- Many of GDA's projects involve historic properties with funding from State and Federal Grant Sources
- These Grant sources often require strict timetables which must be adhered to in order to not lose funding.

EXAMPLE: ITC documents and approval process were completed within 120 days of contract signing in order to meet grant demands

- GDA can easily commit to meeting or exceeding the targeted dates for completion outlined in the schedule presented
- GDA has NEVER caused a project delay by an inability to meet projected deadlines for design or construction documents

The following List represents projects with time constraints for the preparation of the drawings and specification that were completed on time:

PROJECT	LOCATION	DRAWING	ON
		PHASE	TIME
US District Courtroom Renovation	Martinsburg, WV	8 months	<b>V</b>
Roundhouse Complex	Martinsburg, WV		
<ul> <li>Roof Restoration</li> </ul>		3 months	√
Masonry Restoration		6 months	- √
Doors & Windows		8 months	V
Old B&O Station Hotel Office Suite Conversion	Martinsburg, WV		
<ul> <li>Interior Renovation</li> </ul>		6 months	- √
US Multi-purpose Courtroom & US Clerks Offices	Martinsburg, WV	10 months	<b>V</b>
US Probations Offices	Martinsburg, WV	4 months	<b>V</b>
Shepherd College Community Technical College	Martinsburg, WV	4 months	٧
Morgan County Library	Berkeley Springs, WV	6 months	<b>V</b>
Intermodal Transportation Center (ITC) Train Station	Martinsburg, WV	4 months	V

# Berkeley Springs, WV

#### CLIENT

Morgan County Library Trustees, 1998

#### DESCRIPTION

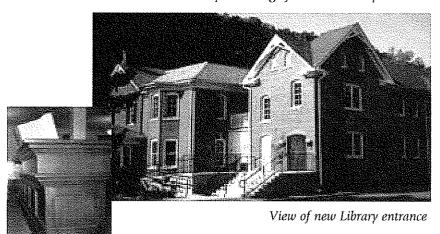
Design of a 5,200 square foot, two storey addition and renovation of a turn-of-the-century house for use as the County's new Public Library.

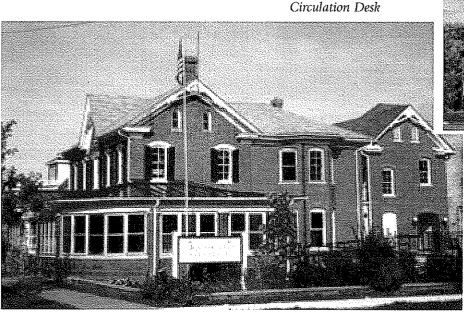
#### PROIECT HIGHLIGHTS

- Designed to accommodate new library technology
- Historic house and addition were designed to comply with current fire, A.D.A., and building codes
- Raised first floor to accomodate flood plain
- Cast-in-place Concrete Floor System
- Adopted use of existing design elements including matching brick patterns, similarly scaled windows, compatible interior wood trim, decorative lighting and bay windows
- Prepared renderings to assist in fund raising



Preliminary rendering of the new Library entrance





Corner View of Library



Washington Street View of Library

Merit Award Winner 1999



AIA West Virginia



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# Schindel-Rohrer Building Renovation & Adaptive Reuse

# Hagerstown, MD

#### **CLIENT**

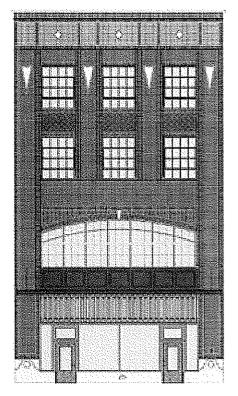
Demcore Development, 2005-Present

#### **DESCRIPTION**

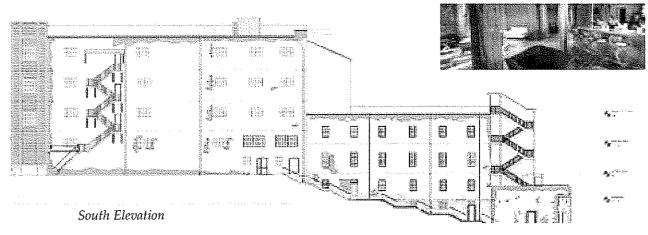
Renovation of heavy timber and masonry hardware store building built in 1888 and 1918. Preparation of tax credit documents and construction documents for the adaptive reuse of 29,200 square feet of space for use as offices, a restaurant, and a night club.

## PROJECT HIGHLIGHTS

- Researched original configuration of windows and storefront awning.
- Worked with the Maryland State Historic Preservation Office
- Federal & State Tax Credits were approved
- Maintained historic tin ceilings and interior finishes through the use of new UL listed surface treatments
- Uncovered structural instability and incorporated new steel shear frame.



South Potomac Street Facade







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# GRAVE CREEK MOUND ARCHAEOLOGICAL COMPLEX

#### Moundsville, WV

#### **CLIENT**

WV Division of Culture & History, 2003-Present

#### DESCRIPTION

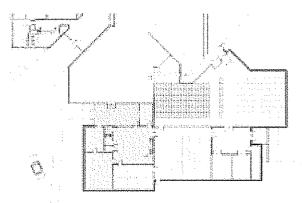
The West Virginia legislature selected this site as the new home for the State's archaeological collections. GDA assessed the storage needs and developed several expansion alternatives for the 1970's structure. GDA prepared plans for a 9,000 sf addition to provide 20 years of archival storage and a research facility.

#### PROJECT HIGHLIGHTS

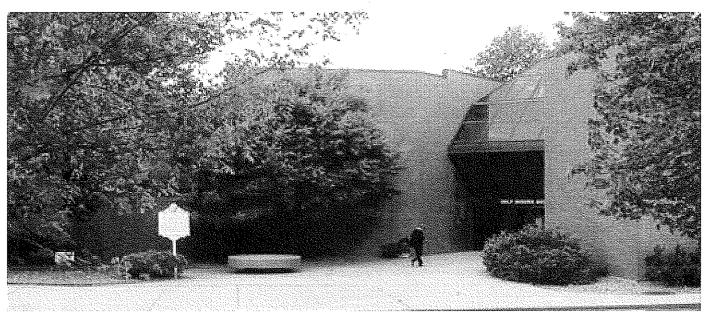
- Designed addition to compliment a modern 1970's structure.
- Project cost estimate was within 1% of the actual bid received.
- Worked with the State Historic Preservation Office to create a design which did not detract from the Nation's largest Indian burial mound.
- Developed a phasing sequence for the temporary isolation of contaminated collections to the ultimate full storage potential at the facility.
- Design included high density storage systems and advanced fire detection systems.



Grave Creek Mound



Ground Floor Plan



Existing Main Entrance



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# **BROOMGRASS - Community Pool**

# Berkeley County, West Virginia

#### **CLIENT**

Purple Turtle LLC, 2008

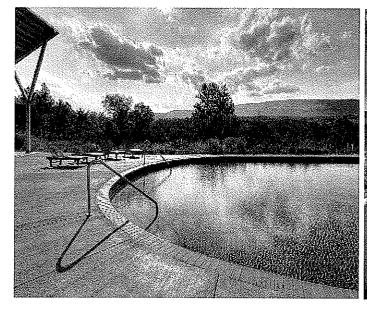
#### DESCRIPTION

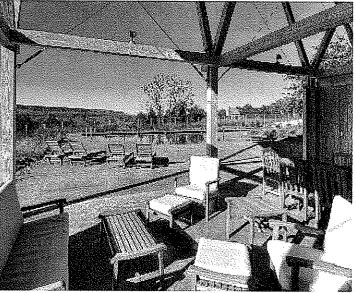
The pool and poolhouse at Broomgrass were designed to compliment the rural landscape and provide the members of the community a casual healthy swimming experience. The timbers used for the poolhouse frame are pressure treated with salt which is nontoxic. The composting toilet was designed for low water use and allowed for a simpler grey water treatment system.

#### **HIGHLIGHTS**

- 25 meter swimming pool
- State-of-the-art salt water chlorine generation
- Pebble-tec lining for 30 years of maintenance free pool interior
- South facing poolhouse roof designed for solar panels for controlling pool temperature and summer shade
- Siting minimized cut & fill and maximized mountain views
- Natural, low maintenance landscape
- Forestry Stewardship Council Certified furnishings









# Old Jefferson County Courthouse Annex - Interior & Exterior Renovation

# Charles Town, West Virginia

#### **CLIENT**

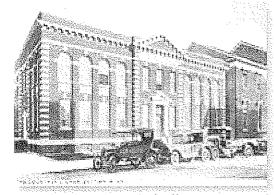
Jefferson County Commission, 2006-Greg Corlis, Commission President

#### DESCRIPTION

The exterior architectural features of this two story Georgian Revival (former) county jail are to be stabilized and restored while planning an adaptive reuse plan of the 8,000 square feet of interior space. GDA lead public meetings with the County Commission and members of the comunity to determine the short and long term use of the building.

#### PROJECT HIGHLIGHTS

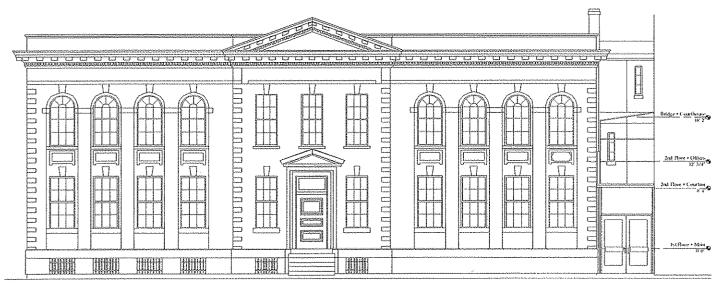
- New uses included a new Family Court Suite, County Clerk's offices and high density storage vault space.
- GDA assisted with the nomination for National Register to raise the level of significance from State to National
- Worked with WV State Historic Preservation Office on nomination, state historic preservation grants and general updating on the project status
- Site of the Blair Mountain Treason Trials in 1922
- A landmark adjoined to the Jefferson County Courthouse, which dates back to the trial of John Brown
- Construction methods include early use of concrete supported by a patented steel cell block design by A.B. Mullet



Historic Postcard of Jefferson County Jail



Interior Details



George Street Facade



# INTERMODAL TRANSPORTATION CENTER - Caperton Station

# Martinsburg, West Virginia

#### **CLIENT**

The City of Martinsburg, 1996

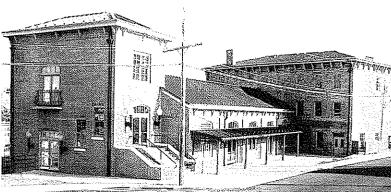
#### DESCRIPTION

Construction of a 6,000 square foot transportation center, designed to serve the needs of rail, bus and taxi service throughout the region. The new structure mirrors the Italianate Victorian-style of the existing, pre-Civil War hotel building targeted for restoration, and will also accommodate the engineering requirements for the future construction of a proposed two-story crosswalk tower, attached to the facility.

#### PROJECT HIGHLIGHTS

Detail of Canopy

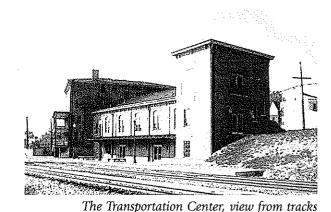
- Creation of a design which respects the historical integrity of the existing facility, incorporating architectural details used in similar train stations of the era
- Accelerated schedule performance with contract documents completed and approved by State Offices within 120 days of signing
- A City, State and Federally-funded project
- Addition to a landmark on the National Register of Historic Places
- Site landscaping, parking lot and storm water design

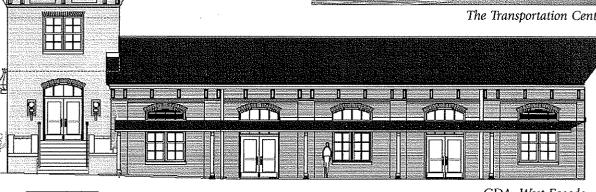


The Transportation Center, view from parking lot



Waiting room interior view





GDA, West Facade



AIA West Virginia



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#### PRIVATE RESIDENCE AT BROOMGRASS

# Berkeley County, West Virginia

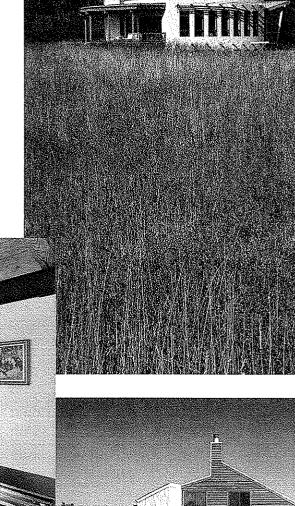
2008

#### **DESCRIPTION**

This passive solar house was sited and shaped to maximize sun exposure and funnel strong prevailing winds around the house in winter. In the summer the sun shades protect from the hot sun and the fenestration allows for cross ventilation. The standing seam roof was designed to accept photovoltaic panels in the coming years as the industry is making great strides in the efficiency and cost of panels. Geo-thermal heating and cooling borrows the constant temperature of the earth to efficiently maintain the open interior at a comfortable temperature. The finish materials and colors were selected to blend with the landscape.

#### HIGHLIGHTS

- · Geo-thermal heating and cooling
- Rain water collection and distribution system
- Long lasting green roof
- Aluminum sun shades
- R-40 concrete exterior walls
- Finnish masonry heater
- Radiant tubes in basement slab





GROVE & DALL'OLIO ARCHITECTS

# Essroc Cement Plant - New Campus of Buildings

# Martinsburg, West Virginia

#### **CLIENT**

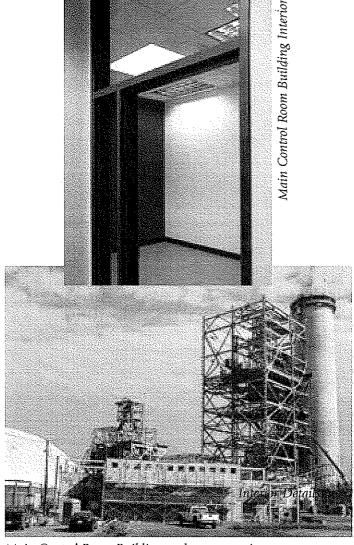
Italcementi Group, 2007-Matteo Faggin, Project Coordinator

#### DESCRIPTION

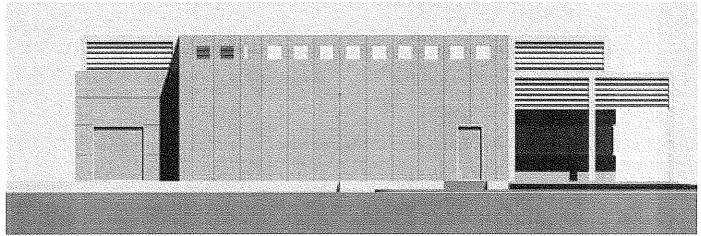
The new owners of this century old plant had visions of remaking the facility with the latest technology and stringent emmisions controls. GDA was employed to design multiple buildings for the new campus including the Main Control Building, new entrance and Shipping Office, the Warehouse, the Administration Building including offices, laboratories, Canteen and Shower Rooms.

# PROJECT HIGHLIGHTS

- Initial services included studies of up to seven new structures and renovations of three others.
- Design-Build documents were prepared by GDA for the Main Control Room Building for Essroc. GDA was later contracted by Keystruct Construction as a member of their design-build team to complete the project.
- GDA issued drawings and specifications to State and Local regulatory officials for building permits.
- Use of Essroc patented Tx Active stucco product was incorporated into the specifications for the new buildings.
- Design team studied "green" building systems for new structures and employed many of them in the end solutions including daylighting, locally manufactured building materials and a green roof system.
- Water based concrete stains were used as an economy and design feature.



Main Control Room Building under construction



Main Control Room Building West Facade



#### GROVE & DALL 'OLIO ARCHITECTS PLLC

Grove & Dall 'Olio Architects PLLC is a full-service architectural firm which guides new construction, renovation, restoration, and adaptive reuse projects from inception to completion. The firm began in 1993 and is dedicated to serving the needs of its clients through the development of designs which are appropriate in size, scale and style. The services of the firm include all phases of program analysis, budget preparation, architectural design and drafting, specification writing, contractor bidding negotiation, construction supervision, and public relations.

Matthew Grove and Lisa Dall'Olio, partners of Grove & Dall'Olio Architects PLLC, collectively offer more than 40 years of professional architecture experience and are actively involved in the field at the local, state and national levels. Mr. Grove and Ms. Dall'Olio are members of the American Institute of Architects and are licensed to practice in West Virginia, Maryland and New York.

The firm's experience includes the successful completion of a wide range of new construction, preservation and adaptive reuse projects throughout the eastern United States. Since relocating the practice from New York City to Martinsburg, West Virginia in 1994, Mr. Grove and Ms. Dall'Olio have focused their efforts toward a variety of municipal, commercial and residential projects in West Virginia. Grove & Dall'Olio Architects PLLC is experienced in working with government entities and operates in compliance with all applicable state and local contracting requirements.

Grove & Dall'Olio Architects and its consultant team employ the use of Cadd, three-dimensional software for drafting and illustrative functions which enables the firm to provide clients with state-of-the-art, photoquality, computer renderings of project work. Grove & Dall'Olio Architects PLLC utilizes electronic modem technology which facilitates communication with consultants and subcontractors, ultimately expediting project results.

#### PARTIAL CLIENT LISTING:

National Museum of the US Army
US General Services Administration
WV Division of Culture & History
Berkeley County Roundhouse Authority
The City of Martinsburg
Morgan County Public Library
Martinsburg-B.C. Public Library

Governor Gaston Caperton Tom Seely Furniture Flatwoods Factory Stores Blue Ridge Outlet Center Chatfield-Taylor Corporation Nemacolin-Woodlands Resort

Shepherd College Community & Technical College at Shepherd

Huntington Bank Jefferson Security Bank Senior Life Services of Morgan County

#### AWARDS:

1997 AIA WV Honor Award for Caperton Station1997 AIA WV Craftsmanship Award for exterior of Caperton Station1999 AIA WV Honor Award for new Morgan County Public Library

# MATTHEW W. GROVE, AIA



Partner, Grove & Dall'Olio Architects PLLC

A native of Martinsburg, West Virginia, Mr. Grove studied architecture at Carnegie Mellon University, an institution which is nationally renowned for its academic emphasis in engineering. Upon graduation, he relocated to New York City where he was engaged by such prominent firms as Cabrera-Barricklo, Architects, and later, David Smotrich & Associates. During his employment, he served as Project Architect for the AIA award-winning Woodstock Meadows Residential Community in Woodstock, New York, as well as the restoration of the historic Jewish Community Center in Brooklyn, New York.

While in New York, Grove had the opportunity to serve in leadership roles for a variety of prestigious architectural projects which included the restoration and renovation of Sailor's Snug Harbor Cultural Center on Staten Island, New York; the conversion of the Stuyvesant Hotel in Kingston, New York; the renovation of the Residence Halls at State University of New York in Stony Brook; as well as a number of custom residential and commercial interior projects in Manhattan.

In 1993, Mr. Grove established his own practice in New York City. Realizing the potential for both new construction projects and preservation efforts in West Virginia, Mr. Grove returned to Martinsburg in 1994 where he was joined by his wife and partner, Lisa Dall'Olio. Since that time, the firm of Grove & Dall'Olio Architects has been involved with project work commissioned by United States District Courts, General Services Administration, Shepherd College, Berkeley County Roundhouse Authority, Blue Ridge Outlet Center, The City of Martinsburg, as well as numerous private sector residential and commercial clients.

#### **EDUCATION**

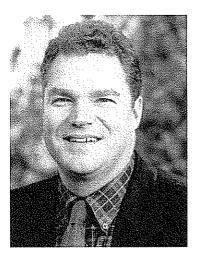
Bachelor of Architecture, 1986 Carnegie Mellon University, Pittsburgh, Pennsylvania

#### PROFESSIONAL REGISTRATIONS

Registered Architect in the State of West Virginia, 1993 Registered Architect in the State of New York, 1990 Registered Architect in the State of Maryland, 1994

#### PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member West Virginia Chapter of the American Institute of Architects, Member Preservation Alliance of West Virginia, Member Society of Industrial Archaeologist, Member International Code Council, Member



#### CIVIC APPOINTMENTS

Commissioner, Martinsburg City Planning Commission 1996-1998
Board Member, Main Street Martinsburg 1997-2002, President 1998
President, Boarman Arts Center Board of Directors 2000-2001
Board Member & Chairman, Boarman Arts Center Building Committee 1996-2001
Tuscarora Creek Linear Park Steering Committee, Member 2001-2004

# LISA M. DALL'OLIO, AIA



Partner, Grove & Dall'Olio Architects PLLC

Lisa M. Dall'Olio's expertise as a preservationist and architectural historian have resulted in her participation in a variety of exciting assignments. In 1993, she served as an architectural consultant to the World Monument Fund to participate in an adaptive reuse study of the Esterháza Palace in Fertöd, Hungary. One year later, she supervised a preservation study of the cast-iron Chelsea Pier 54 in New York City, constructed in 1912 to serve the Cunard luxury liners. She was appointed by Governor Cecil Underwood in 1998 to the State Commission on Archives and History.

A native of the greater New York City metropolitan area, Ms. Dall'Olio studied at the top-rated, University of Texas, School of Architecture, where she obtained her Bachelor's degree and pursued graduate work in the field of preservation. Returning to New York City in 1990, she was employed as a preservationist by the New York City Landmarks Preservation Commission. There, her responsibilities included the review and evaluation of hundreds of proposed historic renovation projects. Using United States Department of Interior Preservation Standards, she consulted NYC Landmarks Preservation Commissioners on projects which ranged from facade and interior improvements made to small, historic private residences – to the extensive restoration of the Waldorf Astoria Hotel.

Ms. Dall'Olio obtained practical, commercial design experience while employed by Joseph Pell Lombardi, an internationally-renowned architect/preservationist, who is credited with the Soho cast-iron loft residence conversion movement in the 1970s, as well as Cabrera-Barricklo, Architects, where, in other roles, she served as Job Captain for the multi-million dollar restoration and adaptive reuse of Sailor's Snug Harbor Cultural Center on Staten Island, New York. Ms. Dall'Olio relocated to Martinsburg, West Virginia, with her husband and partner, Matthew W. Grove, in 1994, to establish Grove & Dall'Olio Architects. Her expertise in the field of preservation and historic architecture ensures authentication of the firm's restoration assignments and brings timeless, classical architectural qualities to those projects which involve new construction. Recently, Ms. Dall'Olio has lead several historic restorations and adaptive reuse projects including the new Community & Technical College of Shepherd and a mixed use master plan study of the old Interwoven property in downtown Martinsburg.

#### **EDUCATION**

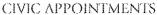
Bachelor of Architecture, University of Texas, 1990

#### PROFESSIONAL REGISTRATIONS

Registered Architect in the State of West Virginia, 1995 Registered Architect in the State of New York, 1994 Registered Architectural Historian in the State of West Virginia, 1994

#### PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member National Trust for Historic Preservation, Member



Commissioner, West Virginia Archives and History Commission Commissioner, Martinsburg Historic Preservation Review Commission 1995-1998 Board Member, Martinsburg Board of Zoning Appeals 2004-Present



# TIMOTHY R. YATES



Interning Architect, Grove & Dall'Olio Architects PLLC

Timothy Yates is a graduate of the University of Tennessee's Architecture School, where he graduated with a professional degree. While completing his internship with Grove & Dall'Olio he has exhibited world class problem solving and communication skills. Mr. Yates is a native of West Virginia and brings to Grove & Dall'Olio Architects more than 5 years of experience in the construction industry. Prior to working with Grove & Dall'Olio, Mr. Yates was employed by Cedar Creek Builders constructing high end homes. His model building and desktop publishing skills were employed by the University of Tennessee while studying architecture. Mr. Yates' breadth of experience in the construction side of the industry adds greatly to Grove & Dall'Olio's drawings by rendering them more "builder friendly".

Mr. Yates also studied for six months at the esteemed Politechnica Krakoska in Krakow, Poland, where he studied historic and modern art, architecture and culture. In 1998, he was a finalist in the Pella Corporation's Design Competition.

#### **EDUCATION**

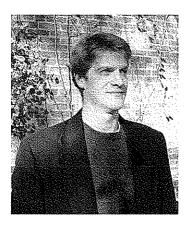
Bachelor of Architecture, University of Tennessee, 2000

#### COMPUTER SOFTWARE

AutoCAD Vectorworks Pagemaker Quark Form Z

#### CIVIC APPOINTMENTS

Commissioner, Martinsburg Historic Preservation Review Commission 2002-Present





# Structural Concepts, Inc.

Giving Dreams Strong Foundations

# **Company Introduction**

Structural Concepts, Inc. was formed in 1988 to service the needs of Architects, Developers, and Builders of the Northern Virginia, Washington, DC, Maryland, and Northern Shenandoah Valley areas. Our goal is to provide efficient and high quality structural engineering, contract documents, and inspection services to meet the needs of a rapidly expanding community.

SCI is headquartered in Winchester, Virginia. The president of SCI is a graduate of Virginia Polytechnic Institute and State University in Blacksburg, Virginia. Mr. Fox has an encompassing field of structural engineering experience. He has worked on projects such as the 20 level, Courtland Complex in Arlington, Virginia. The members of SCI are familiar with structural design and detailing of a wide range of building types.

At SCI, we have extensive experience in the design of office buildings, multi-family residential, elderly housing, one and two family residential, parking structures, schools, warehouses, government, manufacturing and industrial facilities. SCI has provided design and consulting structural engineering services on many structural rehabilitation and renovation projects. Our experience in the design of many structural systems includes concrete, flat plate concrete, steel, composite steel, masonry, timber, prestressed concrete, and post tensioned concrete. We have ample experience with the design of precast / prestressed concrete, including architectural precast cladding. SCI has worked as a secondary consultant as well as part of design / build construction teams.

The resumes of our key personnel and a partial list of projects have been enclosed for your review. We look forward to the opportunity to serve your firm.



#### JODY ALLEN FOX, P.E.

# President Structural Concepts, Inc.

#### Fields of Experience



Mr. Fox has twenty-six years experience in structural design, engineering management, cost estimating, structural inspections, and evaluation and remedial design of structural deficiencies. Mr. Fox is experienced in the design of many structural systems including concrete, steel, masonry, timber, prestressed concrete and tilt-up concrete construction. Mr. Fox is familiar with working as a secondary consultant as well as part of a design/build construction team.

#### Work History

#### Structural Concepts, Inc.

Winchester, Virginia President December 1988 to present

#### Cad Con, Inc.

Fairfax, Virginia Project Designer December 1985 to November 1986

#### Jorss Iron Works

Arlington, Virginia **Estimator** September 1982 to September 1983

# Blue Ridge Design, Inc.

Winchester, Virginia **Project Engineer** November 1986 to December 1988

## Meyer Associates, PC.

Rockville, Maryland **Engineer In Training** September 1983 to December 1985

#### **Education**

Bachelor of Science, Civil Engineering, June 1982 Virginia Polytechnic Institute and State University Blacksburg, Virginia

# **Professional Registration**

Virginia #18172

West Virginia #10560

Maryland #16614

District of Columbia #9111 Pennsylvania #PE-040089-R



#### HANS STAMBERG, P.E.

Principal Structural Concepts, Inc.



#### Fields of Experience

Mr. Stamberg is experienced in structural design and drafting utilizing AutoCAD. He is certified as a Professional Engineer. His experience in design of building systems includes the materials steel, concrete, masonry and wood. Mr. Stamberg is familiar with working as a secondary consultant as well as part of a design/build construction team.

#### **Work History**

Structural Concepts, Inc. Winchester, Virginia Professional Engineer January 2005 - present

Holbert Apple Associates, Inc. Olney, Maryland Engineer in Training June 2002 - January 2005

## Virginia Vermiculite

Louisa, Virginia Plant Engineer July 2000 - June 2002

#### **Education**

Masters of Science, Structural Engineering, May 2000 University of Connecticut Storrs, Connecticut

Bachelor of Science, Civil Engineering, May 1998 University of Maryland College Park, Maryland

#### **Professional Registration**

Virginia #062614



#### JEFFREY CARL LAYMAN

Project Engineer Structural Concepts, Inc.



#### Fields of Experience

Mr. Layman is experienced in the structural and hydraulic branches of civil engineering. His experience in design of building systems includes the materials steel, concrete, masonry and wood. Mr. Layman's communication skills include the Spanish language. Mr. Layman is familiar with working as a secondary consultant as well as part of a design/build construction team.

#### **Work History**

Structural Concepts, Inc.

Winchester, Virginia Staff Engineer May 1996 - November 1999, June 2003 to present **U.S. Peace Corps** 

Honduras, Central America Water and Sanitation Engineer February 2000 - May 2003

**American Electric Power** 

Columbus, OH Intern August 1992 to August 1994

## **Education**

Bachelor of Science, Civil Engineering, May 1995 Virginia Polytechnic Institute and State University Blacksburg, Virginia



# MICHAEL PAUL ROMESBURG, E.I.T.

# Project Engineer Structural Concepts, Inc.

# Fields of Experience

Mr. Romesburg has knowledge and experience with the structural, mechanical, and electrical systems of buildings. He also has practice in inspection and design for rehabilitation purposes and construction management. His emphasis in design of structural systems includes the materials steel, concrete, composites and wood. Mr. Romesburg is familiar with working as a secondary consultant as well as part of a design/build construction team.

#### Work History

#### Structural Concepts, Inc.

Winchester, Virginia Engineer in Training April 2004 – present

## Smislova, Kehnemui & Associates, P.A.

Rockville, Maryland Intern May 2002 – August 2002

# Pennsylvania D.O.T.

Uniontown, Pennsylvania Road and Drainage Inspector June 1999 – August 2000

# **Structural Design Group**

Gaithersburg, Maryland Assistant Rehabilitation Engineer May 2003 – August 2003

#### Foreman Architects Engineers, Inc.

Zelienople, Pennsylvania Intern May 2001 – August 2001

#### **Education**

Bachelor of Architectural Engineering, Structural Engineering, December 2003
The Pennsylvania State University
University Park, Pennsylvania



# High Density Residential Projects of Structural Concepts, Inc.

The following is a partial list of multi-unit residential projects that have been successfully designed and detailed at **Structural Concepts**, **Inc.** It is not a complete list but meant to show a representative cross section of our previous experience with similar projects.

#### Holiday Inn Express, Stephens City, Virginia

SCI prepared structural design, drawings and specifications for the 40,000 square feet, three story hotel. The framing system is pre-cast concrete plank on masonry load bearing walls. The lateral force resisting system uses reinforced masonry shear walls.

# Country Inn and Suites, Kernstown, Virginia

The project consists of the construction of a three-story reinforced masonry building consisting of approximately 50,000 square feet, containing 84 units, a lower level lobby, lower level enclosed pool, and a drive through canopy off of the front lobby area. The first floor shall be slab on grade. The second and third floors shall be framed with precast concrete planks supported on load bearing masonry walls. The roof shall be framed with pre-engineered wood trusses. The lateral force resisting system is reinforced masonry shear walls.

#### Marriott Fairfield Inn and Suites, Winchester, Virginia

The project consisted of the construction of a three-story wood framed building consisting of approximately 43,000 square feet. There is a partial basement below the first floor. The first floor is partially slab on grade and partially wood framed floor structure. The second and third floors are framed with wood floor joists bearing on 2x6 wood stud bearing walls. The roof shall be framed with preengineered wood trusses. The lateral force resisting system uses wood sheathed shear walls.

# Holiday Inn Express, Winchester, Virginia

The project consists of the construction of a three-story reinforced masonry building consisting of approximately 43,000 square feet. The first floor is slab on grade. The second and third floors are framed with precast concrete planks supported on load bearing masonry walls. The roof is framed with pre-engineered wood trusses. The lateral force resisting system uses reinforced masonry shear walls.





Oak Springs Retirement Housing, Warrenton, Virginia

SCI prepared Structural design, drawings and specifications for the 76,000 square feet three story retirement housing facility. The primary structure consisted of load bearing steel wall studs, supporting steel joists with a 2-1/2" concrete slab. Reinforced masonry shear walls are used to resist lateral loads.

The Southerlands, Front Royal, Virginia

SCI prepared the structural design, drawings, and specifications for the 64,000 square feet three story retirement housing and assisted living facility. The building is framed with engineered wood products with concrete foundation walls. The lateral loads for the building are resisted with reinforced masonry shear walls

Westminster Canterbury Addition - Winchester, Virginia

SCI prepared the structural design, drawings, and specifications for the 50,000 square feet three story retirement housing addition. The addition is framed with composite steel supporting a 5" concrete deck. The lateral loads for the building are resisted using steel moment frames.



# **Professional Organizations and Continuing Education**

The members of **Structural Concepts, Inc.** are affiliated with the following professional organizations:

- American Society of Civil Engineers
- American Institute of Steel Construction
- American Concrete Institute

The engineers of Structural Concepts, Inc. are actively involved in continuing education. Topics of recently attended seminars are:

- Concrete from the Ground Up
- Design of Timber Structures
- Selecting Structural Steel Systems
- Structural Welding: Design and Specification
- NPDES Compliance
- Operating a Consulting Firm
- VSEC Practical Design for Earthquake and Vibrations
- Karst Topography
- Tilt-Up Concrete
- Building Codes and Wood Design
- Designing with National Design Specification (NDS) for Wood Construction
- Shear Walls & Diaphragms
- Designing with Wood Trusses
- LRFD for Engineered Wood Construction
- AISC Essentials of Steel Design Economy
- AISC Bracing of Steel Structures
- FEMA: Project Impact, Wind and Earthquake Design
- Behavior & Design of Structural Steel Members
- Concrete Technology
- Fundamentals of Steel Connection Design
- Industrial Floor Slabs on Ground
- Light Steel Framing and the Structural Engineer
- Practical Steel Design, 2-20 stories



#### Insurance

The members of **Structural Concepts, Inc.** strive to produce clear and concise design and documents. Unfortunately, human errors sometimes occur. In our 20 year history at Structural Concepts, Inc., we have yet to have a claim filed.

Insurance - SCI presently maintains Professional Liability Insurance with an aggregate limit of \$1,000,000, a per incident limit of \$1,000,000 and a deductible of \$5000. Comprehensive General Liability Insurance and Automobile Liability Insurance with bodily injury limits of \$1,000,000 / \$1,000,000 and property damage limits of \$200,000. A certificate of insurance can be supplied evidencing such coverage which contains a clause providing that fifteen days written notice be given prior to cancellation.

Cost of the above coverage is included in our quoted fees. If additional coverage or increased limits of liability are required, **SCI** will endeavor to obtain the requested insurance and charge separately for costs associated with additional coverage or increased limits.

# Comfort Design, Inc. Mechanical – Electrical - Plumbing Designs 620 Pennsylvania Ave. Winchester, Virginia 22601

Comfort Design, Inc. is a local small-business mechanical and electrical engineering design firm specializing in heating, air conditioning, plumbing and electrical for residential, commercial, public and industrial facilities. Comfort Design was incorporated as a completely separate business in 1995, to better serve the mechanical, plumbing and electrical design needs of the local industry. Comfort Design, Inc. has full mechanical and electrical design liability coverage from a local insurance agent. Copies and certification of coverage limits will be provided for any project requirements. Professional Engineer licenses cover Virginia, Maryland, Pennsylvania, Connecticut, Massachusetts, New Jersey, New Hampshire, Florida, Delaware, Arkansas and West Virginia.

Comfort Design, Inc. is fully automated to prepare electronic design drawings, which are compatible with AutoCAD Version 2009. Specification documents can be prepared on many of the new word processing programs (Microsoft Word, WordPerfect, Works, etc.).

The following is a **partial** listing of projects and clients which mechanical and/or electrical engineering designs have been provided in the past years:

- -Calcagnini Retreat, Clarke County, Virginia
- -Tuscan Ridge at Canaan Lodge, Davis WV
- -Atlantic Sands Hotel Renovation, Virginia Beach, VA
- -Shenandoah Valley Discovery Museum, Winchester, VA, Platinum LEED (design)
- -Lucy School, Middletown, MD, LEED certification
- -John S. Mosby Museum Renovation, Warrenton, VA
- -100 Room, 4 Story, Hampton Inn, Winchester, VA
- -Hampton Inn, Virginia Beach, VA
- -Hampton Inn, Clearfield, PA
- -Hampton Inn, Chesapeake, VA
- -Hampton Inn, Inwood, WV
- -Hampton Inn, Middletown, DE
- -Sleep Inn, Dover, DE
- -Towneplace Suites, Stafford County, VA
- -Days Inn, Winchester, VA
- -Tulane Hotel, Winchester, VA.
- -Candlewood Suites, Winchester, VA
- -CDA Spirituality Center, Frederick County, VA
- -Comfort Inn & Suites, Leesburg, VA
- -Comfort Suites, Frederick County, VA
- -La Ouinta Inn, Frederick County, VA
- -La Quinta Inn & Comfort Suites Pool & Banquet Facility, Frederick County, VA
- -Westminister-Canterbury Assisted Living Facility, Winchester, VA.
- -Westminister Canterbury Elderly Facilities Renovation, Winchester, VA.
- -George Washington Historic Hotel Renovation, Winchester, VA
- -Country Inn & Suites, Hagerstown, MD
- -Fairfield Inn & Suites, Frederick County, VA

- -Holiday Inn, Chesapeake, VA
- -82 Apartment Complex, Ashland, VA.
- -Hilton Garden Inn, Suffolk, VA
- -Hilton Garden Inn, Winchester, VA
- -Timber Ridge Gymnasium, Frederick County, VA

As can be seen above, our projects cover a wide variety of specialized facilities and designs. American Disabilities Act, LEED criteria, energy efficiency, maintenance and life cycle costs are a normal part of our designs. By working many years in the local communities (Winchester, Martinsburg, Hagerstown, Warrenton, Manassas, Fairfax, and Front Royal), we have an excellent understanding of local codes and ordinances, and work very closely with local code authorities. Enclosed is the resume of the Senior Electrical Engineer, Mr. Michael Howell, P.E., and myself as the Senior Mechanical Engineer for Comfort Design, Inc. The company has two more Professionally Licensed Mechanical Engineers, a part-time mechanical engineering technician, and a part-time electrical engineering technician.

We look forward to working with you on forthcoming projects. If you have any questions, please give us a call. Sincerely,

Roger L. Catlett, P.E.

President, Senior Mechanical Engineer

Comfort Design, Inc. 620 Pennsylvania Drive

Ky L. Callett

Winchester, VA 22601 Phone: (540) 665-2846

# Comfort Design, inc.

Mechanical - Electrical Design

#### RESUME

Name:

Roger L. Catlett, P.E.

Address: 365 Mule Skinner Lane Martinsburg, WV 25405

Phone: (540) 665-2846. Company: Comfort Design, Inc., 620 Pennsylvania Ave., Winchester, VA 22601

Experience:

I am the President/Senior Mechanical/Plumbing Engineer for Comfort Design, Inc., Winchester, VA. I have provided mechanical/plumbing engineer designs (heating, air conditioning, plumbing, compressed air systems, high temperature oil systems, low/high pressure steam systems, radiant floor, geothermal heat pump systems, passive solar) for architects, owners (hotels, retreat centers, churches, offices, residential, stores), manufacturing companies (Mobil, Trex, O-Sullivan, Rubbermaid, Rich Products, Midwesco, Rehrig International), school administrations (Winchester-Frederick County Area Schools), contractors and builders in the Virginia, Maryland and West Virginia areas (Howard Shockey & Sons, Minghini's General Contractors, Ricketts Construction and Lantz Construction). I have worked with historic renovation contractors (e.g. Mark M. Newland & Co.). Over 10 years experience in HVAC and plumbing designs for university and educational facilities. I have been a mechanical engineer for over 36 years. Been involved with 2 Platinum LEED certified projects and multiple geothermal jobs.

My current experience includes 18 years with the Army Corps of Engineers with previous assignments as Chief of the Mechanical and Electrical Design Division, Senior Design Manager for large central utility plants/systems (chilled water, potable water, waste treatment, electrical, HVAC, etc.) for military bases and I was senior in-country Mechanical Engineer in Saudi Arabia for 3 years from 9/83 to 8/86, resolving mechanical design problems with residential/industrial/military facilities.

From 5/77 to 3/81, I served as the Chief of the Facilities Engineering Branch for the Defense Fuel Supply Center, Alexandria, VA and prepared designs to meet EPA and OSHA regulations for Government fuel storage terminals.

# Education:

- -Bachelor of Science Mechanical Engineering, West Virginia University, Morgantown, WV, May 1971.
- -Master of Engineering Industrial Engineering, Texas A&M University, College Station, TX, May 1973.

#### Active Registration:

- -Professional Engineer Virginia License 10537; West Virginia License 7546 & Arkansas PE 12311
- -Professional Engineer Maryland License 21575, Massachusetts License 43252 & Michigan 6201053472.
- -Professional Engineer Pennsylvania License PE061360 & New Jersey P.E. License 24GE04397900.
- -Professional Engineer Florida License 60346, New Hampshire License 11474 & Delaware 13999.
- -Professional Engineer Connecticut License 25585
- -Certified Heat Pump Technician, Refrigeration Service Engineers Society (RSES) Certificate #94110074
- -Certified Universal Technician per 40 CFR part 82, subpart F, Proper Refrigerant Services, RSES
- Certificate #069400027.
  -Master HVAC-Gas Fitter and Master Plumber Certified Card No. 2710 017036, Dept of Professional & Occupational Regulation, Richmond Virginia.

#### Professional Affiliations:

- -American Society of Heating, Refrigerating, & Air Conditioning Engineers (ASHRAE)
- -American Society of Plumbing Engineers (ASPE)
- -Pi-Tau-Sigma, National Honorary Mechanical Eng. Fraternity, 10/20/70.
- -Alpha-Pi-Mu, Industrial Engineering Honor Society, 2/28

CLIENT REFERENCES: Contractors: Howard Shockey & Sons, Inc., Focus Construction, Lantz Construction and Ricketts Construction. Architects: Grove and Dall'Olio Architects, Design Concepts, Main Street Architecture, Harne Bowen Architects, Cushwa & Stouffer Architects and Rauhaus Freedenfeld & Associates. Government: Frederick County Department of Public Works, Frederick County Schools (VA) and Jefferson County Schools (WV).

# Comfort Design, inc.

Mechanical - Electrical Design RESUME

# PERSONAL DATA:

Michael F. Howell, P.E.

# **EDUCATION:**

- Bachelor of Science, Electrical Engineering, Brigham Young University, 1971
- Master of Science of Administration, George Washington University, 1978
- Master of Public Administration, University of Virginia, 1985
- Numerous U.S. Army Corps of Engineers Technical and Management courses.

# **EXPERIENCE:**

• April 1995 - Present:

Principle and Senior Electrical Engineer, Comfort Design, Inc. Winchester, VA. Prepare electrical power and lighting designs, drawings, and specifications for industrial, commercial, institutional, hotels, retreat centers and housing facilities. Projects successfully completed include Winchester Parking Garage, Calcagnini Retreat Campus, Tuscan Ridge Canaan Lodge, World-Wide Automotive, Walden Foods, Quality Tire, Oak Springs Apartments, Hampton Inn, Westminster-Canterbury Kitchen and Dining expansion, Westminster-Canterbury Assisted Living Facility, Middleburg Bank, Blue Ridge Bank of Inwood, Berryville Medical Office Building, Veterinary Hospitals, Powhatan School Classroom Buildings, Winchester Medical Center Business Offices, Winchester Church of God, Historic George Washington Hotel Renovation, Winchester, VA and other LEED projects for schools and museums.

- March 1989 Present:
  - Chief, Electrical Division, Transatlantic Programs Center, U.S. Army Corps of Engineers. Responsible for the work of seven electrical engineers and three engineering technicians. Provide design guidance, resolve technical issues, and assure quality of design for large, multi-facility, multi-hundred million dollar international construction programs. Broad range of experience in power distribution and utilization, exterior and interior lighting, security systems, fire alarm systems, telephone systems, data communication systems, etc.
- Jun 1985 March 1989:
   Senior Electrical Engineer. Prepared original design and reviewed work of other engineers for a wide variety of industrial, institutional, and military facilities.

   Technical coordinator for the electrical requirements for the Voice of America international modernization program.
- July 1971 Jun 1985:
   Journeyman electrical engineer for U.S. Army Corps of Engineers; Graduate student at University of Virginia; Engineering design project manager, U.S. Army Corps of Engineers; Project Manager for Naval Facilities Engineering Command; Electrical Engineer for construction office at U.S. Naval Academy; Electrical Design Engineer for Naval Facilities Engineering Command.

# PROFESSIONAL REGISTRATION:

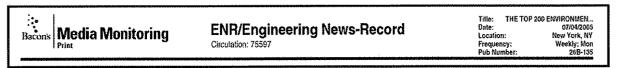
• Registered Professional Engineer, Commonwealth of Virginia, 1976 to present. CLIENT REFERENCES: Contractors: Howard Shockey & Sons, Inc., Focus Construction, Lantz Construction and Ricketts Construction. Architects: Grove and Dall'Olio Architects, Design Concepts, Main Street Architecture, Harne Bowe Architects and Cuswha & Stouffer Architects.

# **View Qualifications**

VIEW Engineering is part of Veolia North America Water Systems (N.A.WS), a company that specializes in municipal and industrial facilities planning, design and construction management. The firm has 155 technical, management, and support staff (including VIEW staff). N.A.WS is based in Pittsburgh, PA and offers localized services through regional offices, including the VIEW offices in Gaithersburg, MD, Martinsburg, WV, Leesburg, VA and Fredericksburg, VA. VIEW project managers tap the resources of the Pittsburgh office for specialty support in areas such as electrical and structural engineering.

N.A.WS and VIEW Engineering are part of Veolia Water, a world leader in engineering, design, project management, construction and municipal and industrial infrastructure. Veolia Water serves 110 million people globally. Its 90-year history constitutes a rich scientific and technical legacy whose pioneers were inventors, hydraulic experts, engineers and architects. VIEW Engineering can rely on Veolia's resources if needed.

In July 2005, Veolia Water North America, VIEW Engineering's parent company, was ranked No. 1 listed in ENR's of "The Top 5 All- Environmental Firms" and "The Top 5 Hazardous Waste" firms by ENR/Engineering News Record:



The Top 5 All-Environmental Fire	ms
Revenue: \$3.25 billion	a com na i Cerce anna, e va e na rei viran ann ann an march
1 VEOLIA WATER NORTH AMERICA	1,999.2
2 THE ERM GROUP	425.0
3 DURATEK INC.	286.2
4 WESTERN SUMMIT CONSTRUCTORS INC.	275.4
5 MALCOLM PIRNIE INC.	286.6
"Emuronment revenus is 190% of Total Company Revenue, \$10 And are rounded up on Comp.	SURES ARE IN \$ MILL!

The Top 5 Hazardous Waste	
Revenue: \$3.59 billion	•
1 VEGLIA WATER NORTH AMERICA	1,423.4
2 CH2M HILL COS. LTD.	613.3
3 THE SHAW GROUP INC.	575.0
4 URS CORP.	494.0
5 WASHINGTON GROUP INT'L. INC.	488.9

VIEW's people are our best asset – engineers and project managers dedicated to their work, some of whom have been with the company for over 20 years. For the Jefferson County Project, our project manager is Rick Travers, P.E.

Supporting Rick is a multi-disciplinary team, which has the depth and breadth to serve all of Jefferson County's needs. The table below demonstrates the range of staff capabilities that have been tasked to serve many local municipal clients.

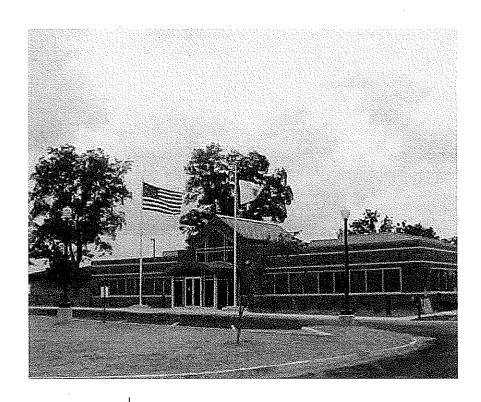
SUPPORT SERVICES										
CLIENTS	Surveying	Structural	Electrical	Geotechnical	Stormwater Management	Mapping	Construction Inspection	CAD	Sediment & Erosion Control	Task Order Contract
Berryville	X	X	X	X	X	X	X	X	X	X
Brunswick	X	X	X	区	X		X	X	X	X
Charles Town	X	X	X	X	X	X	X	X	X	X
Clarke County	X	X	X	X	X	X	X	X	X	X
Cranston		X	X					X	X	
Herndon	X		X	X	X		X	X	X	X
Laurel	X			X	X	X	×	X	区	X
Leesburg	X							X	X	X
Martinsburg	X	X	X		×	X	X	X	X	X
New Windsor	X	X	X	区	X		X	X	X	X
Poolesville	X	X	X	X	×	X	区	X	X	X
Ranson	X	X	X	×	X	X	X	X	X	X
Shepherdstown	X	X	X	X	X		X	区	X	X
Wardensville	X	X	X		X	X	X	X	X	X

# **Computer Resources**

VIEW's computer capabilities include data analysis, system modeling, and design applications. Our computer facilities include a system of fully networked workstations for all VIEW Engineering staff, supporting our computer-aided design/engineering (CAD/E) and geographic information system (GIS) operations. We maintain an extensive library of scientific, engineering, graphics, GIS, and statistical software as tools to support our services. Software application packages typically used by our staff include hydrologic and hydraulic models, geographic information system packages, surveying and property plotting utilities, surface and groundwater modeling programs, computer aided design/engineering programs, and a wide range of engineering analysis software.

VIEW Engineering maintains an extensive library of multiple hydraulics and hydrology programs, including Pond-Pack, HEC-RAS, HEC12 for storm water management, storm drain structure, and floodplain analyses. We have various pipe hydraulic models, such as EPANet, KYPipe, WaterCAD, SewerCAD, AutoTurn for modeling traffic circulation, and ArcInfo/Arc View/ArcGIS for GIS applications. In addition, we have a variety of geologic and geophysical software packages including GMS, WMS, LogPlot, EquIS, AQTESOLV, RES2DINVand RES3DINV.

Berkeley
County
Public Service
Sewer District
Administration
Headquarters



# **VIEW Engineering & Construction Services**

- Site Master Planning, Concept Layouts, Final Site
   & Infrastructure Construction Drawings &
   Specifications
- Topographic & Boundary Surveys
- Pre-Design Engineering
- Planning Commission Site Plan Submission
- Storm Water Management Concept & Final Plans
- On-Site Roads, Entrances, Parking Design
- Utility Infrastructure Design (Storm Drains, Electrical)
- Water & Sewer Plans
- Erosion & Sediment Control Plans
- Construction Sequence Plans
- Regulatory Agency Negotiations

# **Project Features**

- ☐ 4-Acre Site in Mixed Use Tract
- □ 8,600 G.S.F. Government Office Building
- □ Surface Parking
- ☐ Extended Detention Storm Water Pond
- □ On-Site Water Quality Structure
- Landscaping
- Project Budget Estimate \$1.5 million
- □ Project Bid: \$1.433 million
- ☐ Architect: Helbing-Lipp, Inc.
- □ Contractor: W. Harley Miller

Year Completed:

2002



# Internal Revenue Service National Headquarters Design-Build Project



# **VIEW Engineering & Construction Services**

- Site Master Planning, Concept Layouts, Final Site
   & Infrastructure Construction Drawings &
   Specifications
- "Design-Build" Method of Construction
- Topographic & Boundary Surveys
- Wetland Delineation & Mitigation Design
- Stormwater Management Plan
- Entrances & Circulation Roads Design
- Traffic Maintenance Plans for Transit Station
- Water & Sewer Plans
- Utility Designs (Storm Drains, Gas, Electrical, & Telecommunications Ductbanks)
- Erosion & Sediment Control Plans
- State & County Regulatory Agency Negotiations
- Construction Sequence Plans
- Construction & Environmental Permit Processing
- Rail & Bus Transit System Coordination & Design
- Electrical Power Sub-Station Design Coordination
- Shop Drawing Review
- Record Drawings
- Easements & Special Aerial R-O-W Descriptions
- Stormwater Maintenance Agreements
- Federal Environmental Impact Statement Support

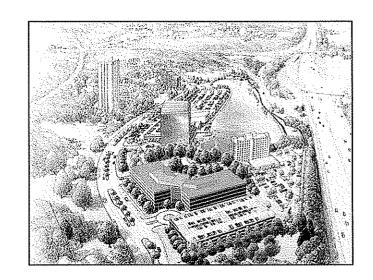
# **Project Features**

- 30 Acre Urban Site Adjoining Light Rail& Bus Transit Station
- ☐ 1.2 Million GSF in 3 Connected Hi-Rise Office Buildings
- □ 6-Story Structured & Surface Parking
- ☐ 500 LF Curved, Enclosed Pedestrian Bridge to Rapid Transit Station
- ☐ Stormwater Quality & Quantity Control Facility
- Off-Site Road Improvements
- 6-Phase Transit Station Traffic Control Plan
- ☐ Special Transit System ADA Design
- ☐ Transit Station "Kiss-n-Ride" Lot
- Transit Station Elevator/Escalator Design Coordination
- □ Federal Building Perimeter Security
- ☐ Project Cost: \$180 Million



# Two Washingtonian Center, Corporate Office Building

# Gaithersburg, Maryland



# VIEW Engineering & Construction Services

- Site Master Planning, Concept Layouts, Final Site
   & Infrastructure Construction Drawings &
   Specifications
- Topographic & Boundary Surveys
- Pre-Design Engineering & Environmental Studies
- Community Meetings
- Planning Commission Expert Testimony
- Natural Resources Inventory
- Tree Conservation Plan
- Storm Water Management Concept & Final Plans
- Off-Site Roads Improvements Plans
- On-Site Roads, Entrances, Parking Design
- Utility Infrastructure Design (Storm Drains, Electrical)
- Water & Sewer Plans
- Erosion & Sediment Control Plans
- Construction Sequence Plans
- Regulatory Agency Negotiations
- Construction & Environmental Permit Processing
- Construction Stakeout
- Shop Drawing Review
- Record Drawings
- Record Plat
- Easements
- Storm Water Facilities Maintenance Agreement

# **Project Features**

- ☐ 5-Acre Site in Mixed Use Tract
- □ 500,000 G.S.F. Corporate Office Building
- □ Structured & Surface Parking
- □ Public Park Open Space
- Regional Storm Water Pond
- On-Site Water Quality Structure
- Custom Design Streetscape
- ☐ Architect: Davis-Carter-Scott



# General Experience in Construction Administration

VIEW Engineering has been retained to provide full time and part-time resident project representatives (RPRs) for a wide variety of construction projects designed by the firm. In addition, VIEW has extensive design-build capabilities and has annual revenues attributable to design-build projects that exceed \$100 million annually. VIEW 's full-time RPR services generally include the following:

- 1. Attendance at a pre-construction meeting and progress meetings with a Client representative.
- 2. Observations of the project site after the initial installation (and after each rainfall event) to review if the sediment controls measures are properly installed (or have performed properly). Prior to any rain event, informing contractor of deficiencies to avoid potential issues.
- 3. Observations of utility (water mains, sewers, and storm drains) construction during pipe, structure and appurtenance installation including:
- Verification that on-site materials comply with the project specifications,
- Cut sheet review and approval (including mathematical check),
- Observation of water and sewer system pressure tests,
- Thrust block construction,
- Fire hydrant assembly installation,
- Service line connections,
- Storm drain pipe alignment test, and
- Storm drain outfall protection installation.
- Trench backfill, compaction, and pavement restoration.
- 4. Observations of construction pavements and review of test results of the Contractor's testing firm comparing the results to the required specifications including:
- proof-rolling operations,
- installation of structural fill for subgrade,
- review and approval of the cut sheets for the curb and gutter,
- preparation for and installation of concrete curb and gutter,
- installation of the stone aggregate base material, and
- asphalt surface and base course installation.
- 5. Observing the contractor's forces and recording the number of crew members with the number and type of equipment on-site each day.
- 6. Preparing individual daily observation reports for each project and submitting a draft daily report to the Client. Performing weekly site visits with the Client's Senior Engineer.
- 7. Monitoring site cleanliness issues (dust and mud control on streets, site spoils and/or garbage removed each day, etc.), traffic control (driveway access, flagmen when required, steel plates with warning signs, maintaining at least one lane for traffic, etc.) and impacts to private property (access maintained, storing materials/equipment on private property, use of property



- outside of easements and work zones, relocation/replacement of fences, restoration of property, etc.).
- 8. Preparing a substantial completion punchlist in the Client representative's and contractor's presence and performing a final review of the project site and provide the report to the Client representative.
- 9. Assisting the Client in review of payment applications with regard to the quality and quantity of work completed.

Additionally VIEW frequently prepares Record Drawings.



# Richard E. Travers, P.E.

# Project Manager

# **Education:**

Bachelor of Science in Civil Engineering, Northeastern University

# **Professional Registrations:**

Professional Engineer: Maryland, Virginia, South Carolina Erosion/Sediment Control Administrator: Virginia

# Background:

Mr. Travers is a Senior Project Manager and Lead Engineer for municipal infrastructure with experience in preparing preliminary designs and study reports, computations, final construction drawings, specifications, cost estimates, permit processing, and construction administration for public facilities. Mr. Travers serves as VIEW's Lead Engineer and Project Manager for the Town of Herndon, VA and the Town of Poolesville, MD. His experience includes design of roads, parking facilities, trails, water and sewer lines, storm drainage and storm water management facilities, and public facilities sites. He has coordinated design with various utility companies, prepared permit applications, and processed construction plans through public reviewing agencies for approvals and permits

# **Qualifications and Experience:**

- Multiple Municipal Engineering Tasks, Charles Town, WV. Project Manager for various municipal engineering assignments associated with studies, design, and construction oversight for drainage, streets, water and wastewater systems under a task order contract.
- Task Order Contract for Municipal Engineering/Planning Services, Ranson, WV. Project Manager for the provision of on-going engineering and planning services via task-orders, including review of subdivision plans for storm water management, public safety, zoning and subdivision compliance; site plan review; engineering evaluations, assessments and reports; and attendance at meetings to present information, evaluations, and/or recommendations.
- Municipal Storm Water Management Plan Review Services, City of Martinsburg, WV. Project Manager for providing planning review services to the Berkeley County Planning Commission.
- Site Development Plan Review Services, Charles Town, WV. Project Manager for technical reviews of site development plans submitted to the City by private developers for conformance with City design standards and zoning requirements.
- New Welcome Center & Streetscape Design, Wardensville, WV. Project Manager for a new Welcome Center and streetscape design using TEA-21 funding.
- Developer Plan Review Services, Clarke County, VA. Project Manager for miscellaneous engineering and planning services, including plan review of subdivisions regarding storm water management, water quantity or quality control, and site plan review. Projects also included engineering evaluations, assessments, reports, informational meetings, evaluations and recommendations.
- Parking Lot Expansion Design with Erosion & Sediment Control Plan, Clarke County Court House, Berryville,
   VA. Project Manager for the provision of topo and boundary survey, drainage computations, drainage and storm

water management plan; grading, paving, striping, ADA accessibility features, and landscaping plan; erosion and sediment control plan; cost estimate; bid advertisement and bidder evaluation.

- Station Street Streetscape & Drainage Improvements, Town of Herndon, VA. Project Manager for design of streetscape improvements including utility location and property ownership verifications, plans, specifications, and cost estimates. Design elements included new street grade, full depth paving, decorative lighting, brick sidewalks and crosswalks, and storm drain improvements.
- Harrison Street & Storm Drain System Rehabilitation Design, Leesburg, VA. Project Manager for design of the rehabilitation of Harrison Street NE between North Street and Edwards Ferry Road that include milling and overlaying the surface asphalt pavement; patching the street with full-depth asphalt; adding new curb and gutter and "historic" brick sidewalk, and improving the storm drain system.
- Open-End Multi-Discipline Engineering & Architectural Services, City of Laurel, MD. Project Manager for multiple task orders for improvements to municipal drainage, streets, and parks infrastructure.
- Open-End Multi-Discipline Engineering & Architectural Services, Town of Poolesville, MD. Project Manager for multiple task orders involving planning, budgeting, design, permitting, construction and operation of municipal infrastructure including streets, drainage, parks, water and sewer lines, water supply system and wastewater system.
- Task Order Contract, Town of Leesburg, VA. Project Manager for the provision of on-call engineering services, including structural engineering; land surveying; cartographic services; architectural, historic preservation, and ADA compliance services; traffic engineering; land use planning, landscape architecture, and public recreation facility plans; storm water control design and EIS services; highway and street design and maintenance engineering; construction observation and administration; environmental engineering; and electric and fire code plan review and third party inspections.
- Streetscape Design & Storm Drainage Improvements for City Hall & Hospital Area, Ranson, WV. Project Manager for design of new sidewalks, street trees, crosswalks, lighting and street furniture, and storm drainage improvements.
- Biser Street Drainage Improvements, Town of Bath, WV. Plans, specifications, bid documents for relocation of existing stream channel including grading and stabilization.
- "On-Call" Developer Plan Review Services, Various Locations, Berryville, VA. Project Manager, technical review of plans submitted by developers to the Town for conformance with Town Zoning, Subdivision, and Stormwater Ordinances and Construction Standards. Reviews included water and sewer, stormwater controls, erosion and sediment control measures, lot grading, public streets review for VDOT, and bond amounts.
- Frederick Community College, Frederick, MD. Supervised the design of new campus infrastructure including two soccer fields, a 250-space parking lot, continuation of the campus "loop" road, and related utility extensions. The project was processed through the City of Frederick Site Plan process, which resulted in a modified Forest Recovery Program to satisfy the State and City requirements for forest conservation. The project also expanded the maintenance facility and added a storage building for athletic supplies. Stormwater management was waived after working with the staff discussing the future Master Plan for the campus.

# John W. Strong

# Construction Manager

# **Education:**

AA, Engineering Technology, Montgomery College Coursework, Civil Engineering, University of Maryland Coursework, Civil Engineering, Kensington University

# **Professional Registrations:**

Cert. Concrete Inspector I
Cert. Concrete Technician II
Cert. Soils Technician II
Structural Concrete Inspector:
Construction Materials Testing III
Nuclear Testing Materials Safety & Radiation Safety Officer
Erosion/Sediment Control Inspector: VA
Virginia Land Responsible Disturber Registration for Erosion and Sediment Control
Maryland Green Card Erosion and Sediment Control Registration

#### Background:

Mr. Strong is a Construction Manager with 27 years of experience in construction, Geotechnical services, quality assurance standards, and materials testing associated with roads, storm drainage, water lines, sewers, multi-level buildings, and site development. He has certifications from the Washington Area Council of Engineering laboratories in soils, concrete and structural concrete, and from the National Institute of Civil Engineering Technicians in construction materials testing. He has technical expertise in resolution of site-specific problems including problems associated with soils and concrete. He also has expertise in non-destructive testing of structural steel and concrete. Mr. Strong is and Has been r for Project coordination for various projects while under construction between various agencies and contractor coordination. Mr. Strong is responsible for oversite of field personnel conducting observation and quality control of reporting standards.

# **Qualifications and Experience:**

- Site Development for Multiple Commercial Sites, VA, MD, & WV. Construction Manager for commercial buildings, site and infrastructure including parking, access, grading and drainage, water, sewer, lighting, and equipment installations.
- Commercial Buildings and Site Infrastructure, 7-Eleven, Inc. Stores, VA, MD, & WV. Construction Manager for new commercial buildings, modify existing buildings, and construct site and infrastructure including parking, access, grading and drainage, water, sewer, lighting, gasoline service islands and canopies, and equipment installations. Work involved on-site duties from project start-up through completion and included coordination of trades, permitting, monitoring of construction schedules, equipment delivery schedules, review of contractor submittals, review of RFIs, review of payment requests, and generation of punch lists. During the life of the contract, over 130 commercial sites were served.
- Inwood, WV Personnel management of installation of 110-mile sewer line project including management of six field inspectors, review of field alignment changes, construction issues, blasting data review, resolution of conflicts with property owners, review of pay requests, review of as-built documents, review of cut sheets and review of construction of pump stations. Inwood Sanitary Sewers and Pumping Stations, Berkeley County, West VA. Construction Manager for more than 100 miles of 6"-24" gravity sewer line and 12 sewage pumping stations for the southern part of Berkeley County.

- Rock Spring Park Corporate Office Complex (1.6 mil s.f), Bethesda, MD. Construction Administration, site and infrastructure improvements for a major office complex development.
- Street Reconstruction and State Highway Improvements Design, Chevy Chase Section 3, MD. Construction Administration, observation of construction of new sidewalks, curb, gutter, and traffic calming devices for multiple residential streets and along a Maryland State Highway.
- Charles Town, WV Project management for Downtown streetscape project management of inspection and coordination with contractor regarding problem resolution.
- Clarke Co., VA Project management for oversight of various subdivisions for compliance with specifications and sediment control requirements.
- Boyce, VA Project management for upgrades to the wastewater plan and construction of a pressure sewer system throughout the Town of Millwood to the Boyce wastewater plant. Construction observation of Prospect Springs water treatment plant filtration plant and grout wall.
- Open-End Multi-Discipline Engineering & Architectural Services, Town of Poolesville, MD. Construction Manager, multiple task orders involving construction oversight for municipal infrastructure including streets, drainage, parks, water and sewer lines, water supply system and wastewater system.
- Task Order Contract, Multi-Discipline Engineering/Architectural Services, Town of Herndon, VA. Construction Administration, for various storm drainage, road, sidewalk, water line and other public infrastructure construction projects.
- Stafford Co., VA Project management and construction management oversight of completion of projects including Autumn Ridge and Smith Lake Parks.
- Middleburg, VA Construction observation of wastewater trickle tower and plant upgrades.
- Resurfacing of Taxiway A to Pier B, Baltimore International Airport, MD. Construction Administration, for resurfacing of Taxiway A to Pier B in accordance with Federal aviation requirements. This required the preparation of the exiting pavement for the placement of a 16" inch steel re-enforced concrete pavement section; and inspection of formwork, reinforcement steel, and concrete as it was being placed. Airport operation continued in the vicinity of the work being conducted.
- SBR Wastewater Treatment Plant BNR Upgrade, Town of Poolesville, MD. Construction Manager for the expansion of a .625 MGD wastewater treatment plant to .750 MGD including pressure filtration, UV disinfection, post-aeration, aerobic sludge digestion, and belt filter press and dewatered sludge storage. Standby power generation was provided, as well as an automated programmable controller system for plant process control. The plant includes new laboratory facilities, a new well for potable water supply, and new wet-well/dry well master sewage pumping station with influent communication system.
- Poolesville, MD Construction observation of Elgin Rd. stormwater upgrades and repaving project.
- Millwood Area Sanitary Sewer Upgrades, Clarke County, VA. Construction Manager for the upgrade of a wastewater treatment and collection system for a community of 62 homes with failing septic systems.

# Leesa C. Davis, RLA

Landscape Architect/Planner

#### **Education:**

B.S., Landscape Architecture, Texas A & M University, 1982

# **Professional Registrations:**

Landscape Architect: MD

# Qualifications and Experience:

Ms. Davis is a Senior Land Planner/Landscape Architect, and has over 15 years of experience in land planning, landscape architecture, site planning, special exceptions, storm drainage design, and related engineering services. Ms. Davis has served an instrumental role in planning and landscape design for residential, commercial, and institutional projects located throughout the mid-Atlantic area, as well as in the states of Florida and Texas. Ms. Davis is responsible for site planning, landscape architecture, feasibility studies, master planning, streetscape design, and recreational facility design, including golf facilities and marinas. Ms. Davis previously worked for the engineering/planning firms of Burgess & Niple; Greenhorn & O'Mara, Inc.; Huntley, Nyce & Associates; and M&K Enterprises.

# **Relevant Experience:**

# **General Site Planning**

Hawthorne Estate, Summit Point, WV. Provided land planning and landscape design for the historic estate home of the heirs of Senator Byrd of Virginia. The estate is to be transformed in to a bed & breakfast facility with indoor/outdoor areas appropriate for ceremonies and dining for up to 300 guests. Sensitivity of the historic significant of the multiple 200+-year-old structures as well as existing landscaping is evident thru the design preservation. Site design included the addition of a 25-meter swimming pool with bronze fountain spouts, an herb garden, a circular drive and additional vehicular parking, a tennis court and a bocce lawn, all landscaped with an abundance of flowering perennials.

New Hope, Hampshire County, WV. Provided site planning and design services for a 60+ acre residential facility. Site layout includes 4 independent units to serve as group homes for approximately 15 patients each. News Skies Satellites, Bristow, VA. Provided complete landscape architectural services for the U.S. headquarters of this international company based out of The Hague. Project included a Wetland Beautification Plan approved by the Corp of Engineers. This plan provided focal features including a permanent pond with fountains, modular retaining walls, brick terraces and decorative lighting and furnishing,

Meadows III, Westfields Office Park, Chantilly, VA. Designed plaza, terrace, and a motor court for a 50,000-square-foot office building. Incorporated decorative paying, site furnishings, and landscaping.

Temple Rodef Shalom, Falls Church, VA. Designed dedication garden, site landscaping, and tree preservation studies for the Temple's new educational wing.

Westgate Park, Tyson's Corner, VA. Designed landscaping for three large office buildings, including brick terraces, retaining walls, benches, and decorative lighting. Produced elaborate color renderings for presentation to neighboring associations.

**Price Club, Gaithersburg, MD.** Responsible for preliminary and final site and landscaping plans for this 115,000-square-foot, single-level facility with a 950-space parking structure.

Marriott Headquarters, Rockville, MD. Provided planning and landscape architecture for this 250,000-square-foot facility, including a 600-space parking structure, outdoor mezzanine and fountain plaza, and a regional storm water management pond with surrounding trail systems.

Mercure Office Park, Lots 6-A-1A and 6-A-1 B, Loudoun County, VA. Designed landscaping and composed and obtained waiver and modification approvals for reduced landscaping of these offices and warehouse sites.

First Union National Bank, Arlington County, VA. As site planner, revised existing parking and circulation layout, and provided landscaping to comply with Arlington County standards.

Glenbrook 8 at Westfields, Chantilly, VA. Responsible for grading and landscaping of this 2.5-acre site for a new 30;000-square-foot office building. Landscaping was designed to reflect the aesthetic quality and impact that characterizes Westfields Business Park.

Burke Volunteer Fire Department, Burke, VA. Produced landscape plan that included the rain garden infiltration technique to compensate for increased runoff from the parking lot. As a result, the lot was allowed to be located within the existing floodplain.

Lafayette Business Park, Lots 1, 1A, and 10, Chantilly, VA. Provided landscape and tree preservation design for numerous office and warehouse sites.

Ashburn Business Park, Loudoun County, VA. Designed landscape plan and perspective color rendering for this 29,000-square-foot warehouse office.

Glenview at Westfields, Chantilly, VA. Designed a landscape plan for this 9.5-acre site, including a central plaza flanked by twin 86,000-square-foot buildings. The landscaping extends from the plaza into the 700-space parking area.

Heritage Center, Annandale, VA. Responsible for design of extensive landscaping for a 200,000-square-foot office building. The client opted to include Annandale streetscape design elements so the property will be seen as an entry asset into the commercial district. Focal elements include granite retaining walls, decorative paved terraces and walks, corner signage wall, an arbor, as well as an abundance of flowering trees, shrubs, groundcovers, and shade trees.

# Elizabeth U. Adamowicz, P.E.

Site Civil Engineer

# **Education:**

Bachelor of Science in Civil & Structural Engineering, University of Wroclaw

# **Professional Registrations:**

Professional Engineer: Maryland, District of Columbia

Cert. Sediment/Erosion Control: Maryland

# **Background:**

As Technical Manager and Senior Civil Engineer, Ms. Adamowicz is responsible for providing technical expertise and guidance to project engineers and design staff for a variety of land development engineering aspects, including: designing storm water management quantity and quality controls including infiltration, wet pond, wetland, extended detention facilities, bio-retention and other innovative techniques; storm drains; H&H computations; bio-engineered stream bank stabilization, preparing construction drawings, specifications, cost estimates, and permit applications for site grading, site layouts, roads and parking, storm drain and storm water management facilities, water lines and sanitary sewers, and erosion and sediment control plans. She is also responsible for Quality Assurance/Quality Control program, performing in-office reviews for land development projects.

Ms. Adamowicz is proficient in application of HEC-1, HEC-2, HEC-RAS, UNET, TR-55, TR-20, Rational Method; MicroStation CAD, Intergraph SelectCAD, AutoCAD—Land Development Desktop, and other computer models and software. Also experienced in use of SPECSINTACT and MCASES.

# **Qualifications and Experience:**

#### Municipal Projects:

- West Virginia Ordnance Center at Point Pleasant, for the Huntington USACE District. Project Engineer for design of a 30-acre expansion to a series of storm water retention ponds within the Phelps Wildlife Management Area. Responsible for 3 pond expansions, hydrology and hydraulic analysis for multiple interconnected pond system, embankment design, and dam breach analysis. This USACE project expanded aquatic habitat and ecosystems.
- Mill Creek Springs 200 Acre Residential Development Engineering Study, Berkeley County, WV. 7,500 I.f. Sewer force main, pumping station hydraulic computations, and cost estimates.
- Indefinite Quantity Contract, Civil / Environmental Engineering, Fort George G. Meade, MD. Civil Engineer, multiple task orders for preparation of plans, specifications, cost estimates, and construction phase services associated with infrastructure improvements having an overall value of \$15 million. Services earned an ACASS rating of "excellent".
- Open-End Contract, Multi-Discipline Engineering Services, Town of North Beach, MD. Project Engineer, multiple task orders for plans, specifications, and cost estimates associated with municipal street, drainage, water, sewer, and parks projects.
- Task Order Contract, Multi-Discipline Engineering / Architectural Services, Town of Herndon, VA. Project Engineer, multiple task orders for plans, specifications, and cost estimates associated with municipal street, drainage, water, sewer, and parks projects.

- Commercial Property Site & Infrastructure Design, Rt. 7 @ Valley Mill Road, Winchester, VA. Technical
  Manager, technical quality review of concept plan for site and off-site improvements, zoning special exception
  planning study, engineering computations for storm water management, and utilities, and construction plans.
- Streetscape Improvements, Georgia Avenue & King Street, Silver Spring, MD. Project Engineer, design of 300 LF of streetscape improvements in Silver Spring Central Business District including sidewalk brick pavers, ornamental street lighting, tree pits for street trees, street tree irrigation and drainage, stone pavers at driveway aprons, coordination of parking meter relocations.

# Site Design:

- 1RS National Headquarters Design/Build Project, Prince George's County, MD. Relocations/extensions of storm drains, water lines, sanitary sewer, roadway design, site grading, erosion and sediment control, and storm water management for 1.2 mil. s.f. 3-building complex adjoining METRO Rail Station.
- NAVAIR Program Office Building Design/Build Project, Naval Air Station, Patuxent River, MD. (461,000 s.f. 5-story office building and 3-story parking structure).
   4-lane median divided road relocation, site grading, storm drainage, water and sewer, fiber optic cable relocation design, erosion/sediment control.
- Rock Spring IBM Corporate Office Center Site and Off-site Roads, Bethesda, MD. 1.2 million s.f. 5-building complex on 45 acres, storm water management, storm drainage, sediment and erosion control, 36-inch water main relocation, sewer design, grading, access, and off-site improvements to State & County roads.
- Howard Hughes Medical Institute Headquarters Site and Off-site Roads Design, Chevy Chase, MD. Storm water management, storm drainage, water and sewer, parking for 535 vehicles, and 5 State Highway intersections improvements.
- Centre-at-Salisbury Regional Mall Site, Salisbury, MD. 880,000 s.f. Retail Mall on 102 acres, site layout, grading
  and earthwork analysis, utilities, storm drainage, water and sewer, storm water management including 3
  detention ponds, erosion and sediment control, and construction coordination.
- Fairland Community Center Site, Montgomery County, MD Special Environmental Protection Area project included multiple provisions for storm water quality control; grading, utilities, sediment control, permit processing, MNCPPC Mandatory Referral.
- 7-Eleven, Inc. Commercial Sites throughout VA, MD, & WV. Feasibility studies, layouts, final site design, grading, storm drainage, gasoline USTs and dispensers, permit processing for multiple jurisdictions.
- Expansion of 2 Surface Water Impoundments, West Virginia Ordnance Center, USACE. Hydraulic/hydrologic computations, grading, erosion control, construction plans, specifications, and cost estimates.
- Gettysburg Battlefield National Historic Park Visitors Center Parking Lot, PA. Preliminary design, layout, grading, storm drainage, and storm water management detention pond.
- George Washington Memorial Parkway Maintenance Facility, Arlington, VA. Site engineering, grading, paving, traffic maintenance plan, storm drain, oil/grit separators, and vehicle fueling dispensers.



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 DNR209057

ADDRESS CORRESPONDENCE TO ATTENTION OF

FRANK WHITTAKER B04-558-2316

FAX# 304-558-4115

RFQ COPY TYPE NAME/ADDRESS HERE

DIVISION OF NATURAL RESOURCES PARKS & RECREATION SECTION BUILDING 3, ROOM 719 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV 25305-0662 304-558-2775

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# GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

- 1. Awards will be made in the best interest of the State of West Virginia.
- 2. The State may accept or reject in part, or in whole, any bid.
- 3. All quotations are governed by the West Virginia Code and the Legislative Rules of the Purchasing Division.
- 4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
- 5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
- 6. Payment may only be made after the delivery and acceptance of goods or services.
- 7. Interest may be paid for late payment in accordance with the West Virginia Code.
- 8. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 11. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
- 12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 13. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
- 14. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (http://www.state.wv.us/admin/purchase/vrc/hipaa.htm) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 15. WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT: If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

# INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division.
- 2. SPECIFICATIONS: Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
- 3. Complete all sections of the quotation form.
- 4. Unit prices shall prevail in case of discrepancy.
- 5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
- 6. BID SUBMISSION: All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



MOCKEY

RFQ COPY

TYPE NAME/ADDRESS HERE

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

# Request for Quotation

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\*\*\* ADDRESS CORRESPONDENCE TO ATTENTION OF

FRANK WHITTAKER

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DIVISION OF NATURAL RESOURCES PARKS & RECREATION SECTION BUILDING 3, ROOM 719 1900 KANAWHA BOULEVARD, EAST CHARLESTON, WV

25305-0662 304-558-2775

ADDRESS CHANGES TO BE NOTED ABOVE

DATE PRINTED TERMS OF SALE SHIP VIA FO8 FREIGHT TERMS 11/06/2008 D OPENING DATE: 008 BID OPENING TIME 01.30PMCAT CUANTITY UOP LINE ITEM NUMBER UNITPRICE AMOUNT PLANS AND/OR SPECIFICATION, ETC. MY PROPOSAL, ADDENDUM NOS NO. I №0. 2 NO. 3 NO. 4 NO. 5 I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF THE BIDS. vendor must clearly understand that any verbal REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY DRAL 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. ...SIGNATURE 11:0110.1 REV. 11/96 IN THE EVENT THE VENDOR/CONTRACTOR FILES BANKRUPTCY: THIS CONTRACT IS AUTOMATI-Y PROTECTION, SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE DATE TE FEIN

RFQ	No.	
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# STATE OF WEST VIRGINIA **Purchasing Division**

# PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated. 1.1 11. . . 1 Á

Vendor's Name:	Grove	a / sal! 0/1	o Architec	<u> </u>		
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Purchasing Affidavit (Revised 0	7/01/08)					