



STAFFORD CONSULTANTS INCORPORATED

*Engineering Design, and Consulting
Planning and Environmental Services*

October 7, 2008

File: 08-9998 00/N

Department of Administration
Purchasing Division
Attention: Frank Whittaker
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

Dear Ms. Ferrell:

RE: Division of Natural Resources
Parks and Recreation
Bluestone State Park Waterline Replacement Project

We appreciate the opportunity of providing our qualifications for the referenced project. If selected for the work, Stafford Consultants will bring the following advantages to the Project.

1. **Experience and Knowledge of Similar Wastewater Projects:** The following proposal highlights just a few of the similar water projects successfully performed by Stafford Consultants. Each of these projects include the same elements as your project; i.e. small diameter water piping. Many have involved replacement of existing water facilities.
2. **Responsiveness to Client's Needs:** Your proposed project is located at nearby Bluestone State Park in Summers County. Our office is located in Princeton, a few minutes' drive from the park. Stafford has worked extensively with the nearby community of Hinton and West Virginia American Water, the water supplier to the area. We encourage you to contact our nearby clients of Oakvale Road Public Service District, Pamela Browning, Manager (304/487-2750) and Lyle Huntington, former Manager (304/320-9703); and Princeton, Mike Saffel (Princeton Sanitary Board 304/425-9599), Wayne Shumate (City Manager 304/487-5023) regarding our responsiveness to their needs.
3. **Experience of Engineering and Technical Team:** As demonstrated by our proposal, Stafford's professional staff consists of registered professional engineers, each with over 25 years experience. Our design technicians and field representatives have similar extensive records of experience in projects similar to your project. Our project manager has worked directly with the Department of Health and West Virginia Department of Environmental Protection on numerous projects for over 30 years. His experience in working with these agencies will assist in a prompt review and approval of your project.

4. **Established Formal Quality Assurance Program:** Each project at Stafford receives a peer review by an in-house professional engineer not directly responsible for the project. This independent review by a "new set of eyes" provides greater protection from items being overlooked in the preparation of reports, plans, and specifications. The quality assurance review is also geared to evaluate "bidability" and "constructability" issues, to reduce the chance of "surprises" during construction. Our quality assurance program also includes several reviews of the project documents with our clients' key milestones so the clients' needs are met.
5. **Knowledge of Adjacent Water System:** Stafford Consultants and our Project Manager, Ed Shutt, provided the Engineering services for the Mercer Summers Water Project, a public/private endeavor providing new and improved water service for the area. We are thus familiar with the facilities that will serve your proposed project.

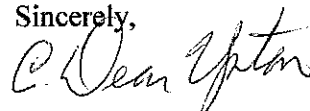
I am including the following information which I feel will respond to your request.

1. Project Approach
2. Project Team (Organization Charts)
3. Resumes of Key Project Personnel Showing Experience and Technical Expertise
4. Project Experience Maps and Prior Related Experience
5. Water Experience
6. Quality Control Statement
7. Professional References

I appreciate your consideration of our proposal and trust you will give our Firm your serious consideration for this important project.

I will be pleased to respond to any questions you may have and will provide any additional information you may require. We will make ourselves available for an interview at your convenience.

Sincerely,



C. Dean Upton, P.E.
President



**National Society of
Professional Engineers®**



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

DNR209036

PAGE

1

ADDRESS CORRESPONDENCE TO ATTENTION OF

FRANK WHITTAKER
304-558-2316

RFQ COPY

TYPE NAME/ADDRESS HERE

Stafford Consultants, Inc.
1105 Mercer Street
P.O. Box 5849
Princeton, WV 24740

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS		
09/11/2008						
BID OPENING DATE: 10/07/2008		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	GAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE REPLACEMENT OF THE MAIN WATER LINE AT BLUESTON STATE PARK LOCATED IN HINTON, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.						
TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WEST VIRGINIA PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS SEPTEMBER 25, 2008 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE.						
QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT AN EXPRESSION OF INTEREST TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE OPENING DATE AND IN ANY FORMAT						
EXHIBIT 10						
REQUISITION NO.: DNR209036						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>C. Dean Upton</i>		TELEPHONE 304 / 425-9555		DATE 10/07/08		
TITLE President		FIRM 55-0656181		ADDRESS CHANGES TO BE NOTED ABOVE		

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



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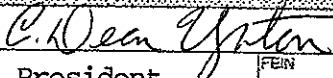
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09/11/2008				
BID OPENING DATE: 10/07/2008				

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1						
NO. 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 BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
 SIGNATURE						
Stafford Consultants, Inc. COMPANY						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE		TELEPHONE	304/425-9555	DATE	10/07/08
TITLE	President	FAX	55-0656181	ADDRESS CHANGES TO BE NOTED ABOVE	

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09/11/2008						
BID OPENING DATE: 10/07/2008		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UQP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
REV. 11/96						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.						
NOTICE						
A SIGNED EOI MUST BE SUBMITTED TO:						
DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						
THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:						
SEALED EOI						
BUYER: FRANK WHITTAKER-FILE 44						
EOI NO.: DNR209036						
EOI OPENING DATE: OCTOBER 7, 2008						
EOI OPENING TIME: 1:30 PM						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE		TELEPHONE		DATE		
C. Dean Upton		304 / 425-9555		10/07/08		
TITLE		FERN		ADDRESS CHANGES TO BE NOTED ABOVE		
President		55-0656181				

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI:						
----- 304 / 425-9557 -----						
CONTACT PERSON (PLEASE PRINT CLEARLY):						
----- C. Dean Upton, P.E., President -----						
***** THIS IS THE END OF RFQ DNR209036 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>C. Dean Upton</i>	TELEPHONE 304 / 425-9555	DATE 10/07/08
TITLE President	FAX 55-0656181	ADDRESS CHANGES TO BE NOTED ABOVE

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Revised July 26, 2007

EXPRESSION OF INTEREST
Bluestone State Park
Main Water Line Replacement
#DNR209036

Part 1 **GENERAL INFORMATION**

1.1 Purpose:

The Acquisition and Contract Administration Section of the Purchasing Division "State" is soliciting Expression(s) of Interest (EOI) for West Virginia Division of Natural Resources, Parks and Recreation Section, "Agency", from qualified firms to provide architectural/engineering services as defined in section two (2) and three (3).

1.2 Project:

The mission or purpose of the project described in sections 2 & 3 is to provide professional engineering services pursuant to the following objectives:

Provide necessary professional engineering services to design and specify for construction, a new waterline to replace an existing failing line. Included in this project will be the production of plans, specifications, all required bidding documents, and other related services necessary to construct the desired improvements, and remove if necessary, the existing facilities.

1.3 Format: N/A

1.4 Inquiries:

Additional information inquiries regarding this EOI must be submitted in writing to the State Buyer with the exception of questions regarding proposal submission, which may be oral. The deadline for written inquiries is identified in the Schedule of Events, Section 1.16. All inquiries of specification clarification must be addressed to:

Frank Whittaker, Senior Buyer
Purchasing Division
P.O. Box 50130
Charleston, WV 25305-0130
Fax: (304) 558-4115

The firm, or anyone on the firm's behalf, is not permitted to make any contact whatsoever with any member of the evaluation committee. Violation may result in rejection of the EOI. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

DNR209036

RFQ No _____

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.

Vendor's Name: Stafford Consultants, Inc.

Authorized Signature:  Date: October 7, 2008

PROJECT APPROACH

Based upon the Division's request for Expressions of Interest (EOI), Stafford will provide professional engineering services to design and provide construction documents for the replacement of a failed water line serving the Bluestone State Park. Stafford is familiar with the system supplying water to the proposed line. We also have the in-house capacity for related services, such as surveying, needed to complete the contract documents. Stafford's experienced full time field personnel are also available to assist with design layout to minimize construction difficulties and costs.

For this DNR – Division of Parks and Recreation Project, Stafford has assembled a project team that consists of registered or certified personnel. The key members and their specific duties are presented on the Stafford Project Team Summary that follows.

The varied activities of the firm are guided by its principles. Mr. C. Dean Upton, P.E. will serve as Principal and Quality Assurance officer on this project. Mr. Edward L. Shutt, P.E. will serve as Project Manager. He will provide overall monitoring of the progress of your project. Mr. Shutt has a strong engineering background relative to water systems. He is a native of West Virginia and is available to work closely with you throughout the course of your project.

Members of the project team include:

Edward L. Shutt, P.E.	Project Manager
C. Dean Upton, P.E.	Principal / Quality Assurance
Christopher L. Perdue	Civil / Assistant Project Manager
Howard Berry	Contract Administrator/Designer
Kevin Smith	Designer/Technician
Sidney P. Burns	Resident Project Representative

After selection by the Division, Stafford Consultants will negotiate a mutually agreeable professional engineering agreement for all work to be performed.

Following the Division's authorization to proceed with preliminary design, Stafford will:

1. Prepare preliminary design documents consisting of final design criteria, preliminary drawings and outline specifications. Stafford will review these documents with your operations staff, to incorporate any ideas they may have that will improve the ease of operations. Our preliminary plan will be reviewed with your operations staff prior to starting final design.
2. Based on the information contained in the Preliminary Design Documents, submit an opinion of probable project costs.
3. Present and review Preliminary Design Documents with your staff.

After written authorization to proceed with the Design Phase, Stafford will:

1. On the basis of the accepted Preliminary Design Documents, prepare detailed drawings to show the character and scope of the work to be performed by Contractors on the Project and instructions to bidders, general conditions, special conditions and technical provisions.
2. Furnish to the Division such documents and design data as may be required for, and assist in the preparation of, the required documents so that the Division may secure approval of such governmental authorities as have jurisdiction over design criteria applicable to the Project.
3. Advise the Division of any adjustments to the cost estimate for the Project caused by changes in scope, design requirements, or construction costs based on the final Drawings and Specifications.
4. Prepare proposal forms and Notice to Bidders and assist in the preparation of Contract Documents.
5. Prepare for review and approval by the Division, its legal counsel and other advisors, Contract Agreement forms, General Conditions and Supplementary Conditions and Bid Forms, Invitations to Bid and Instructions to Bidders.

If requested by the Division, Stafford will:

1. Assist the Division in obtaining and evaluating bids or negotiating proposals and prepare construction contracts.

If requested by the Division, Stafford will provide construction phase services. The Construction Phase will commence with the execution of the prime construction contract (or on such other date as may be specified by the Division for commencement of the work under any construction contract) and will terminate upon written approval of final payment by Stafford to the Contractor.

During the Construction Phase, Stafford will:

1. Consult with and advise the Division and act as its representative as provided in Articles 1 through 17, inclusive of the Engineers Joint Contract Document Committee's Standard General Conditions of the Construction Contract No. 1910-8.
2. Make periodic visits to the site to observe the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the Contract Documents. We will keep you informed of the progress of the work, will endeavor to guard you against defects and deficiencies in the work of the Contractor(s), and may disapprove or reject work as failing to conform to the Contract Documents.

3. Review and approve shop drawings, diagrams, illustrations, brochures, catalog data, schedules, and samples, the results of tests and inspections and other data which any Contractor is required to submit, but only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents; and receive and review maintenance and operating instructions, schedules, guarantees, bonds and certificate(s) of inspection which are to be assembled by the Contractor(s) in accordance with the Contract Documents.
4. Issue all instructions of the Division to the Contractor(s) and prepare routine change orders as required. We may, as the Division's representative, require special inspection or testing of the work. We will act as interpreter of the terms and conditions of the Contract Documents and judge of the performance thereunder by the parties thereto and will make initial decisions on all claims of the Division and the Contractor(s) relating to the execution and progress of the work and all other matters and questions related thereto.
5. Based on our on-site observations as an experienced and qualified design professional and on our review of the Contractor(s) applications for payment and supporting data, determine the amount owing to the Contractor(s) and approve in writing payment to the Contractor(s) in such amounts. Such approvals of payment shall constitute a representation to you based on such observations and review that the work has progressed to the point indicated and that to the best of our knowledge, information and belief, the quality of the work is in accordance with the Contract Documents (subject to an evaluation of the work as a functioning project upon substantial completion, to the results of any subsequent tests called for in the Contract Documents, to minor deviation from the Contract Documents, correctable prior to completion and to any qualifications stated in his approval), but by approving an application for payment Stafford shall not be deemed to have represented that he made any examination to determine how or for what purposes any Contractor has used the monies paid on account of the contract price.
6. Conduct an inspection to determine if the Project is substantially complete and final inspection to determine if the Project has been completed in accordance with the Contract Documents and if each Contractor has fulfilled all of his obligations thereunder so that Stafford may approve in writing final payment to each Contractor.
7. Provide full time on-site representation, if requested and approved by the Division, which will include inspection, testing, filing of daily reports, review of change orders, review of pay estimates and other duties required to assure the highest quality work possible. A copy of the daily reports will be provided weekly to the Division.

DIVISION OF NATURAL RESOURCES

BLUESTONE STATE PARK WATERLINE REPLACEMENT

Stafford Consultants Project Team

Parks and Recreation Section

Project Manager
Edward L. Shutt, P.E.

Quality Assurance
C. Dean Upton, P.E.

Resident Project
Representative
S. P. Burns

Contracts
Administrator
H. S. Berry

Sanitary / Civil Engineer
E. L. Shutt, P. E.
C. L. Perdue

Drafting
K. G. Smith
D. E. Parsons
R. K. Kemp

TECHNICAL EXPERTISE

Each of the key members of the project team have at least 25 years of engineering experience in water and wastewater projects to draw upon in serving you. Resumes of the team and others appear on the following pages.

COMPUTER CAPABILITIES:

Project layout, design and management are fully computerized. Stafford's twelve computer workstations are networked to provide full utilization of all peripherals. Hardware includes Pentium based computers, plotters, printers and scanners.

Project plans are developed using five AutoCAD workstations. Project reports and specifications are developed generally using Windows based "Word" software, though other software may be used to meet specific client needs.

Specific computer programs utilized in-house include:

EXCEL and LOTUS	-	Various Analysis & Design Spreadsheet
WORD	-	Word Processing
WORDPERFECT	-	Word Processing
WATER CAD	..	Pipe Network Analysis
SURGE	-	Pipe Network Analysis
RETWALL	-	Retaining Wall Design
FHWA	-	Hydraulic Analysis
HYDRAIN	..	Calculates Discharges
HEC-1	-	Flood Hydrograph
HEC-RAS	-	River Analysis System
GANTT	-	Project Scheduling
AEPEX	-	Project Management and Accounting
INROADS SELECTCAD	-	Roadway Design Package
MERLIN DASH	-	Bridge Beam Analysis
		Straight Bridge Beam Design and Analysis
DESCUS I	-	Curved Beams and Girders Analysis
		Curved Beam Design and Analysis
MDX	-	Highway Bridge Curved and Straight
		Beam and Girder System Analyses

Numerous Miscellaneous Structural and Hydraulic Programs



Engineering, Design and Consulting
Planning and Environmental Services

C. Dean Upton, P.E.
President

Education:	Marshall University Bachelor of Science in Civil Engineering, 1973	Professional Registration:	West Virginia Virginia Engineer
Professional Memberships:	National Society of Professional Engineers; West Virginia Society of Professional Engineers, 1998 President; American Water Works Association.		
Business and Civic Activities:	Past President of Marie Ruritan Club and member New Hope United Methodist Church.		

Experience: 2004 - Present Stafford Consultants Incorporated, President
1997 - 2004 Stafford Consultants Incorporated, Chief Sanitary Engineer

Mr. Upton's responsibilities at Stafford Consultants include administrative duties as chief executive officer and project management. Project management duties include the development of projects from conceptual planning through construction and initial operation of facilities.

Representative projects include:

- Water Treatment and Distribution Improvements, Gary Regional Water. Provided design and project engineering for 2.0 MGD plant improvements, three storage tanks, three pumping stations and 50,000 L.F. of water mains.
- Water System Extension, Gary Regional System Phase II, Pageton and Skygusty. Provide design and project engineering for booster station, 400,000-gallon storage tank, and water main extensions for McDowell County PSD.
- Pre-sedimentation Basin, Lewisburg, West Virginia. Provide planning, design, and construction assistance for 500,000 gallon pre-sedimentation basin for water treatment plant.
- Center PSD Wastewater Treatment Plant Improvements. Planning, design, and construction engineering for new decanters and UV disinfection system for existing wastewater treatment plant.
- Ansted Wastewater Improvements, Ansted, West Virginia. Prepare planning, design, funding applications and construction engineering for upgrade of 220,000-gpd wastewater plant and eight pumping stations.
- Athens Wastewater Plant Improvements, Athens, West Virginia. Prepare Wastewater Facilities Plan and design services for expansion and upgrade of wastewater plant to 0.5 MGD capacity.
- Wastewater Treatment Plant Modifications, Princeton, WV. Provide design and construction assistance for improvements to 3.6 MGD wastewater plant to enhance nitrification and solids handling.
- Flocculators and Sludge Removal System, Lewisburg, WV. Provided design and construction phase assistance for installation of horizontal, two-stage flocculators and sludge removal in existing 500,000-gallon concrete tank.
- City of Hinton, Gold Coast and Brooklin Sewer Extension. Planning and Design phase services for extension of sewer services to residential and commercial areas adjacent to Hinton.



- Marshall University Weight Training Facility, Huntington, WV. Design and construction phase services for 14,000 square foot weight training facility.
- Wastewater Pump Stations, Blacksburg, Virginia. Evaluate existing Shenandoah wastewater pumping station. Design, plans and specifications for Murphy and Highland Park Pump Stations.

1986 - 1997 Anderson & Associates, Project Manager

Responsible for numerous water and wastewater projects from planning through design and construction. Representative projects include:

- Wastewater Pumping Stations, Town of Blacksburg, Virginia. Four new wastewater pumping stations and expansion of the Cedar Run pumping station from 2.6 MGD to 3.1 MGD capacity.
- Alleghany County, Virginia. Four wastewater pumping stations and I/I rehabilitation of existing sewer systems. Three new water storage tanks and rehabilitation of three existing tanks.
- Wastewater Treatment Plant, Rich Creek, Virginia. New 150,000-gpd RBC wastewater treatment facility.
- Water System Improvements, Pearisburg, Virginia. Development of a 220 gpm well, extension of water system, two booster stations, and a 125,000-gallon storage tank.
- Wastewater Treatment Plant Expansion, Shawsville, Virginia. Expansion of plant from 100,000 gpd to 200,000-gpd capacity.
- Foxcroft Avenue Water Improvements, Martinsburg, West Virginia. Distribution system improvements to enhance fire protection.

1981 - 1985 G. A. Tice, Incorporated, Project Engineer/Chief Engineer

- Responsible for planning, design and construction administration for water and wastewater projects. Also responsible for coordination of activities for up to three field survey crews. Major municipal projects for which Mr. Upton provided construction administration services include the Shady Springs PSD's wastewater system and the Town of Pax wastewater system. The Shady Spring system included construction of approximately 50 miles of sanitary sewers, three pumping stations, and a 0.8 MGD wastewater treatment plant.

1974 - 1981 Holley Kenney Schott, Incorporated, Project Engineer

- Prepared wastewater facilities plans, design drawings and specifications for water and wastewater projects. Projects completed included numerous sewer system extensions for the City of Beckley and the North Beckley Public Service District. Facilities plans completed included the City of Beckley - Raleigh County Facilities Plan and the Red Sulphur Public Service District Facilities Plan. Design projects also included water and wastewater extensions to the Red Sulphur PSD system.

1973 - 1974 John E. Harms, Inc., Inspector

- Construction inspector for wastewater collection systems, wastewater pumping station, and storm water systems in Anne Arundel County, Maryland.



*Engineering, Design and Consulting
Planning and Environmental Services*

**Edward L. Shutt, P.E./P.L.S.
Vice President**

<p>Education: Virginia Polytechnic Institute and State University Bachelor of Science in Civil Engineering, 1969</p> <p>Studies for graduate degree in Sanitary Engineering VPI 1974 & 1975; Water Storage Facilities Design - 1977, University of Wisconsin; Professional Liability/A/E Quality Control - 1980, Victor O. Schinnerer & Company; EPA Construction Grants Administration - 1980, The Cilren Company; Construction Claims and Disputes - 1984, Engineering News Record; Claims - Anticipation and Avoidance - 1986, WV Rural Water Association; Construction Contract Administration - 1994 American Institute of Architects; Understanding and Managing Risk - 1995 Victor O. Schinnerer and Company; Better Management - Leading Your Firm and it's Project Manager - The Picus Group; Balanced Evaluation of Public/Private Partnerships - AWWA Research Foundation; Management of Public Works Construction Project - American Public Works Association; West Virginia Construction Law: Can This Job Be Saved - Lorman Education Services - Ethics for Engineers - Chitester Management System, Inc. - 2000; Water Storage Tank Inspections - WVACE/WV Rural Water; Modern Contracting Practices for Infrastructure Projects - Professional Development Option. 2001 - Construction Issues in West Virginia - Lorman Education Services; 2005 - Victor O. Schinnerer and Company, Inc.- Contracts for Professional Services / Alternate Methods for Project Delivery / Insurance for Design Professionals / Dispute Prevention and Non-Adjudicative Resolution - Litigation on Arbitration / Planning for Success in the International Project Arena / Concepts in Risk Management / Legal Liability of Design Professionals / Developing the Capacity to Manage Risk / Evaluation of Projects and Clients / Planning Phase and Design Phase Risk Management / Bidding or Negotiation Phase Risk Management / Construction Phase Risk Management.</p>	<p>Professional Registration West Virginia (Engineer)</p> <p>West Virginia (Surveyor)</p>
<p>Professional Memberships: National Society of Professional Engineers, American Water Works Association, West Virginia Rural Water Association and West Virginia Society of Professional Engineers.</p>	
<p>Business and Civic Activities: Member Johnston Chapel Church, Past Member Finance Committee; Johnston Chapel Church, former Sunday School Teacher; Mercer County Democratic Executive Committee, Treasurer; Former member West Virginia Association of Consulting Engineers; Former member West Virginia Association of Consulting Engineers Infrastructure Committee.</p>	
<p>Experience: 1985 - Present Stafford Consultants Incorporated, Vice President</p> <ul style="list-style-type: none"> - Operating officer in charge of design, construction administration activities and quality assurance. Responsibilities have involved conceptual planning, preliminary engineering, final design, financing, bidding and negotiations, construction administration, supervision of resident project representation and final closeout for water projects ranging from \$250,000 to \$44,000,000 in size. - Design/Quality Assurance Review for various projects. - Expert Witness in construction claims, change orders and engineering standards of practice. 	



1977 - 1985

Gates Engineering Company, Chief Environmental Engineer, Chief Sanitary Engineer, Assistant Chief Engineer - Sanitary, and Civil Engineer

- Responsible for the supervision of civil and sanitary projects, as well as the day-to-day supervision of three engineers and the coordination of designers and draftsmen.
- Assisted clients by performing preliminary engineering studies and cost estimates for grant applications to secure funding from various government agencies, as well as performing detailed work in financing through revenue bonds.
- Prepared feasibility studies, rate studies and operational and maintenance budgets.
- Design and construction administration services for water and wastewater systems.
- Supervised design of 1.1 miles of WV Route 290/1 for the WV Department of Highways
- Participated in planning and design of the West Virginia University Stadium.
- Participated in planning and design of expansion of Martinsburg Veterans Administration Hospital.
- Provided engineer's services during construction and supervised resident project representatives.

1975 - 1977

Region I Planning and Development Council, Sanitary Engineer

- Prepared grant applications and assisted communities in obtaining funding for water and sewer projects.

1975

Pentree Incorporated, Design Civil Engineer

- Responsible for design of water treatment plant and distribution system.

1974 - 1975

Virginia Polytechnic Institute and State University, Graduate Student and Graduate Research Assistant.

1972 - 1974

Pentree Incorporated, Design Civil Engineer

- Coordination and supervision of all survey work. Survey work including topographic surveys, land surveys, control surveys for aerial mapping and construction surveys for contractors in the layout of their work.
- Design of wastewater plant, runway expansion and airport layout.

1970 - 1972

**United States Army, Draftsman
Honorably discharged with the rank of Sergeant (E5)**

Summer 1969

Frank R. McGuire Construction Company, Draftsman

- Responsible for preparation and obtaining approval of all working drawings from Architect/Engineer on the Big Walker Mountain Tunnel Portal Building (I-77) in Wytheville, VA.

Summers 1966, 1967 & 1968 West Virginia Department of Highways

- Worked on survey crew in 1966, which was involved in layout of various highway projects. Also surveyed projects for final quantities. Worked as a laborer on bridge repair and as a survey taker for determining traffic counts.



Engineering, Design and Consulting
Planning and Environmental Services

Christopher L. Perdue
Assistant Project Manager

Education:	Bluefield State College Bachelor of Science in Civil Engineering Technology May, 2003	Professional Registration R.L.D.	Virginia #26145 (Exp 10-30-09)
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Professional Memberships:	American Society of Civil Engineers (Since 2001), Engineers and Surveyors Institute (ESI) Designated Plans Examiner (Fairfax and Loudoun Counties, and City of Alexandria, VA)
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Experience: **January, 2008 - Present** **Stafford Consultants Incorporated, Assistant Project Manager**

Mr. Perdue's responsibilities at Stafford Consultants include project design assistance and construction phase assistance for water, wastewater, stormwater management, and development projects.

Assignments include the following projects:

- **Wastewater Collection System Expansion and Wastewater Plant Improvements, Hinton, WV.** Preliminary design and project engineering for 2.0 MGD (peak flow) plant improvements, 2 pumping stations and 16,000 L.F. of Gravity Sewer and Sanitary Force Main.
- **Anchor Road Water System, Logan County, WV.** Design and project management assistance for \$2,500,000 water system expansion project.
- **Douthat Water System Extension, Alleghany County, Virginia.** Prepare VMRC and Corps permit applications and assist with construction phase engineering services.

July, 2004 - October, 2007 **VIKA, Incorporated, Project Manager/Project Engineer**

Project Management responsibilities included; Initial Project Feasibility Studies, conceptual design, Final Design to include Sediment and Erosion Control Plans, Wet Utility Design, Storm Water Management Facilities (Wet and Dry Ponds, regional impoundments, Underground Facilities, etc.), Traffic Control Plans. Responsibilities also included Construction Administration services from construction commencement to project occupancy or completion.

- **Fort Lincoln Townhomes, Washington, DC.** Planning, design and construction administration services for 222 townhouse unit development. Project included stormwater management and retaining wall structures.
- **The Villages at Washington Gateway, Washington, DC.** Feasibility study and planned urban development preparation for 22 acre tract. Project included development of a regional stormwater management pond.
- **Stonewall Estates, City of Fairfax, VA.** Planning, design and construction administration services for 7-lot subdivision. Plan included utilities, roadway and storm water management.
- **Riverside Park Apartments, Fairfax County, VA.** Planning for new amenities to existing 1500-unit residential development. Amenities included new clubhouse, amphitheater, two swimming pools, leasing office and other site improvements.
- **Southeast Federal Center, Washington, DC.** Preliminary planning, site grading, hydraulic design related to floodplain issues and permitting for roadways and utilities in areas surrounding the Washington Nationals Stadium along the Anacostia River in Southeast D.C.



Engineering, Design and Consulting
Planning and Environmental Services

Howard "Sonny" Berry
Construction Administrator
Designer/Draftsman/Resident
Project Representative

Education: West Virginia Institute of Technology
Bachelor of Arts, 1993

Beckley College
Associate of Science in Mining Technology, 1980

Fayette Plateau Vocational Technical Center - Drafting, 1974
WVU - Course work in Landscape Architecture, 1974

Licensed: West Virginia DoH
Compaction Technician

Troxler Certified Nuclear
Density Gauge Operator

Experience: 1985 - Present **Stafford Consultants Incorporated; Construction Administrator, Designer/Draftsman, Resident Project Representative**

- Construction administration for various civil engineering projects. Work includes responsibility for writing change orders, reviewing pay estimates, maintaining construction project files, and serving as field person liaison. Prepares project cost estimates, permit applications, and performs shop drawing review and approval. Specific projects include New Haven PSD Regional Water Project, City of Welch Wastewater Collection System, Town of Alderson Wastewater Treatment Plant, City of Summersville Water Project and Oakvale Road PSD Mercer/Summers Water Project.
- Design layout and drafting various projects, including the City of Summersville Regional Water Treatment Plant, City of Welch Wastewater Treatment Plant, Big Bend PSD, New Haven PSD Waterline Extension Project, City of Mullens Street Paving Project, Wilderness PSD Nallen-Old Nicholas Road Waterline Extension Project and Oakvale Road PSD Water and Sewerline Improvements.
- Resident project observation for various project, including Wilderness PSD Waterline Extension Project, Town of Lester Water System Improvements, Raleigh County Airport Taxiway and Markings, Princeton Community Hospital Rehabilitation Center, Marshall University Fairfield Stadium Artificial Turf Replacement and City of Oak Hill Street Paving.

1984 - 1985 Gates Engineering Company, Resident Project Representative

- Resident project representative for Town of Alderson wastewater facilities.
- Checking shop drawings for West Virginia University Stadium Expansion.
- Resident project representative for the Crab Orchard-MacArthur PSD wastewater facilities.

1983 - 1984 Trion Construction Company, General Laborer

1981 - 1983 Republic Supply Company, Field Sales Representative

- Servicing oil and gas field supply accounts
- Inventories and purchasing
- Valves and fitting make-up

1980 Roger Hornsby Construction, General Laborer

1977 - 1979 Riverton Coal Company, Mine Clerk

- Responsible for production records, time records, mine supplies, underground communications, EMT and other duties.

1975 - 1977 Ben Bob, Inc., Survey Party

- General rodman and chainman for survey party.



*Engineering Design and Consulting
Planning and Environmental Services*

Kevin G. Smith
Designer/CAD Technician

Education: Raleigh County Vocational Education Center, 1979

Lay Minister Certificate, School of Christian Studies of the
West Virginia Baptist Convention

Licensed: Civil I and Civil II
Certificates

Experience: 1998 - Present **Stafford Consultants Incorporated, Designer/CAD Technician**

- Design and drafting for water and wastewater projects including, Summers County Sewer Study for Summers County Commission, Summersville Water Treatment Plant, John Nash Boulevard Sewer for Bluefield Sanitary Board, Brooks Barksdale Water Extension for Mercer/Summers County Commissions.
- Design and drafting on bridge and highway road projects throughout the State of West Virginia including Grapevine Creek Bridge, Hutchinson Branch Bridge, Cass Arch Bridge, Mullens Bridge, Coalfields Expressway US 121, Wiggins Bridge, Mineral Wells Interchange Overpass Bridge, US Route 219 Lewisburg Widening, Bellepoint Road Widening, Route 41 and West Webster Road Intersection Improvement, Route 20 and 55 Intersection Improvement, and Gould Bridge.
- Design and drafting for drainage and civil work associated with Gardner Industrial Park for Mercer County Commission, Chapmanville High School, Williamstown Middle School, Parkersburg High School and Parkersburg South High School

1998 Computects and DBD Professional Group, Inc. – Beckley, WV

- Performed civil site designs and civil layout of architectural projects including Oak Hill Days Inn, Gary Library and Medical Center, Ronceverte Voluntary Fire Department, Ronceverte City Hall, and Sun Mountain.
- Design and drafting on engineering projects including Glade Springs Sanitary Sewer Relocation.
- Site development for A&E Construction at the NW intersection of US 19 and WV16 north of Beckley.

1992-1997 G. A. Tice Incorporated – Beckley, WV

- Design and drafting on various civil engineering projects including subdivision layouts and Pinecrest Industrial Park at Beckley.
- Highway and roadway storm drainage systems.
- Sanitary sewer collection and extensions systems including Shady Spring PSD, Town of Mount Hope, and North Beckley PSD.
- Water distribution systems including Town of Pax and Crow area water extension project.
- Calculations for many residential, commercial and government survey projects including Canaan Valley State Park for USFW Service and the New River National Park Service.
- Civil site design for commercial and government projects including Beckley Holiday Inn Addition, Haz Mat Facilities Administration Building, Pinecrest Industrial Park, and Cool Ridge Post Office.



1986-1992 ESP Associates - Charlotte, NC

- Development of custom CAD packages for in-house use, including Storm Water, Sanitary Sewer, Subdivision Layout and Staking, and Roadway Design.
- Drafting and design for layout of subdivisions with the responsibility of the layout of lots, roads, sanitary sewer, storm drainage and final plats for recording.
- Calculations for up to four field crews for field layout for Outer Beltway Interstate 485, Sanitary Extension along I-77 North of Charlotte, Widening of Park Road, Relocation of 36" and 42" Gas Transmission at High Point, NC, Rock Hill, SC subdivision development, Widening of US Route 17 in NC, Cabarrus Industrial Complex including I-85 interchange and Airport, Riverrun Subdivision including golf course, Cameron Woods Subdivision Phases III-VII, many other smaller industrial, commercial and residential projects in the Charlotte area.

1981-1986 G. O. Bledsoe, Incorporated - Beckley, WV

- Supervised drawing of plats and maps by other employees. Design and drafting for engineering and surveying projects using CAD. Survey calculations and reductions for many residential, commercial and industrial projects. Advanced from rodman to crew chief to supervisory position.

1980-1981 HKS - Beckley, WV

- Advanced from rodman to instrument man including note keeping and field note reductions for various commercial and industrial projects.



Engineering, Design and Consulting
Planning and Environmental Services

Sidney P. Burns
Senior Resident
Project Representative

Education: Greenbrier High School, Ronceverte, WV, 1958

Licensed: Certified Engineering
Technician - Level IV
Troxler Certified Nuclear
Density Gauge Operator

Experience: 1985 - Present **Stafford Consultants Incorporated, Senior Resident Project Representative**

- Responsible for inspection and documentation of work performed for various civil engineering construction projects including water treatment plants, wastewater treatment plants, collection lines, distribution lines, plant piping, pump stations, reclamation projects and street replacement. Specific projects include Mercer/Summers Water Project, City of Welch Wastewater Treatment Plant, Town of Alderson Wastewater Treatment Plant, City of Summersville Wastewater Treatment Plant, City of Mullens Streetscape Project, Wilderness PSD Waterline Extension Project, Williamson Nursing Home Slide AML Reclamation Project, and Danville PSD Wastewater Treatment Plant and Collection System.
- Assisted in preparation of cost estimates for construction projects including water plants wastewater plants, collection lines, distribution lines, street and pavement improvement projects.
- Performed field surveys for numerous projects including Mercer/Summers Water Project, Town of Athens Water Project, Oakvale Road PSD Sewer Project, Wilderness PSD Water Project, Greenbrier Valley Airport, Big Bend PSD water tank project, City of Welch Sewer Project, Logan County PSD Water Project, Impoundment for Bluewell PSD, Town of Bramwell Sewer Project, Mason County Bond Forfeiture AML Project, Millersville Road Refuse AML Project, Milburn AML Project, Sarah Ann AML Project, Welch Post Office Bridge Project, Town of Ansted Pump Stations and Big Bend PSD Sewer Project.

1980 - 1985 **Gates Engineering Company, Contract Administrator**

- Responsible for documentation and contract procedures for various construction projects related to water treatment and wastewater treatment facilities. Specific projects include Crab Orchard-MacArthur PSD Wastewater Treatment Plant, Town of Pineville Water Treatment Plant and distribution lines, and Mercer County Development Authority - Cumberland Industrial Park

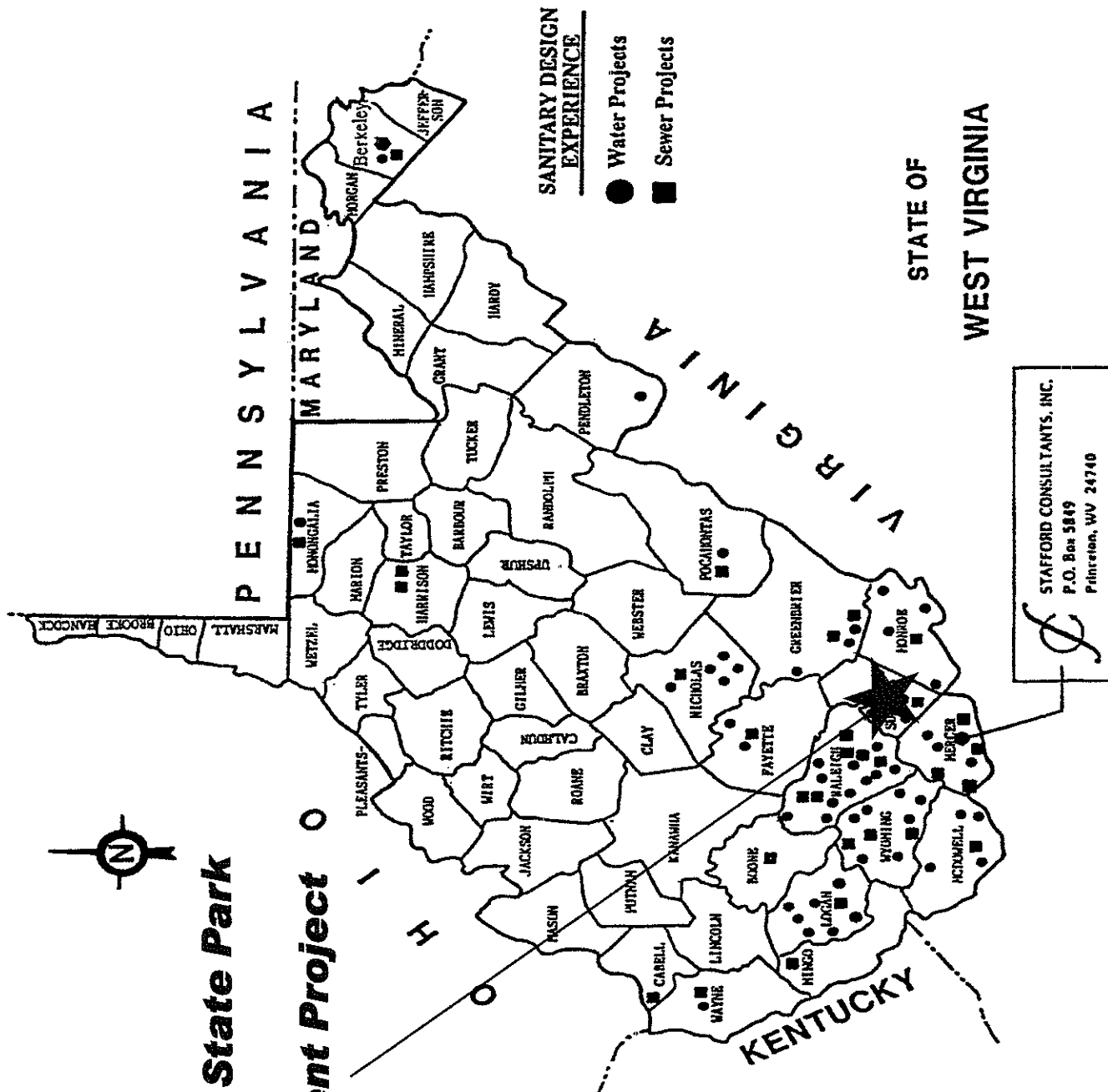
1961 - 1980 **West Virginia Division of Highways, Project Supervisor**

- Responsible for inspection, documentation and testing of all material and work performed on several interstate highway and Appalachian Corridor construction projects.
- Coordinated all construction activities with the general public.
- Prepared all necessary change orders and coordinated construction with funding agencies and the Federal Highway Administration.

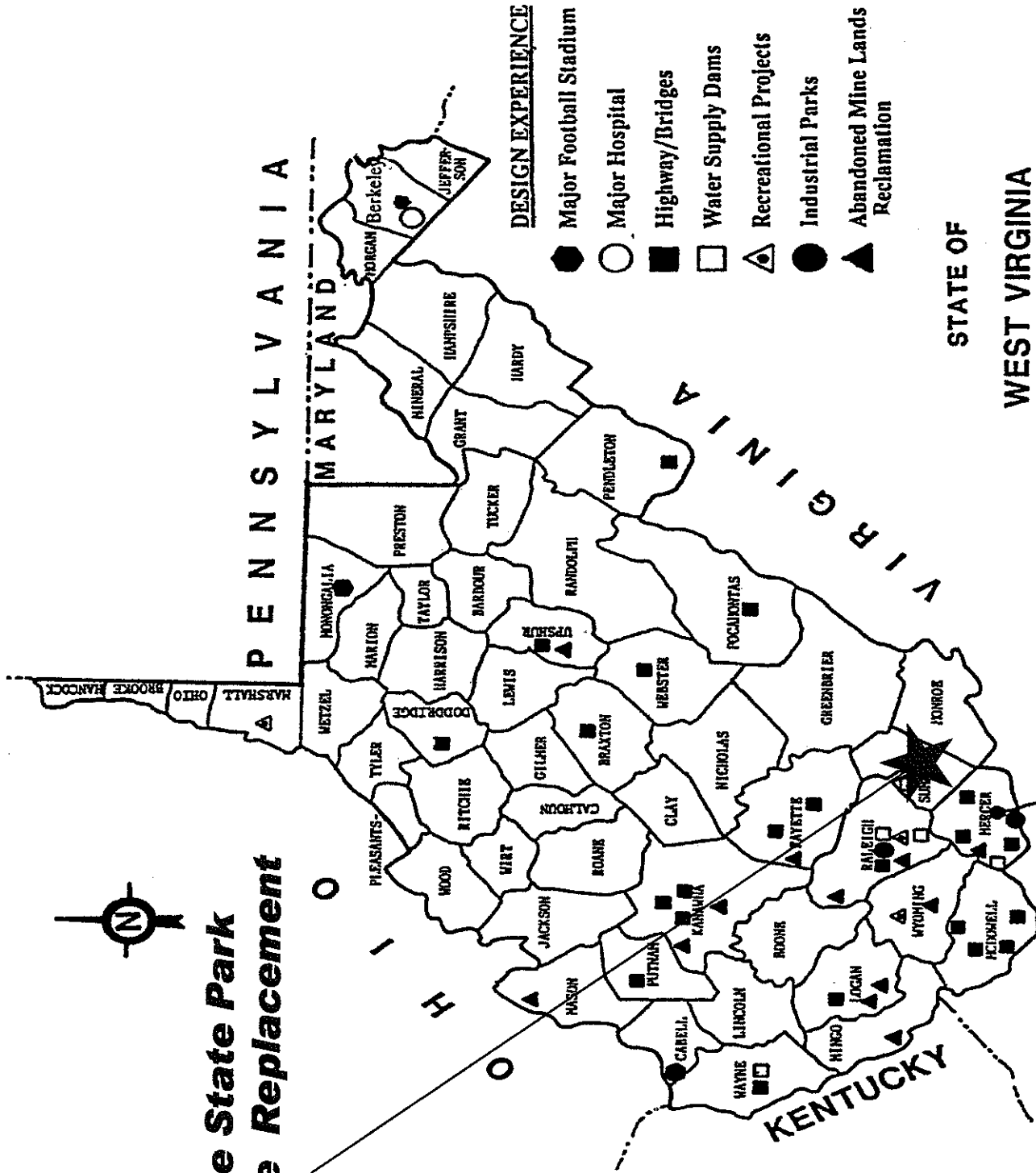
1958 - 1961 **V. N. Green Company Incorporated**

- Laborer and heavy equipment operator, highway construction. Instrument man on survey party at Armco Steel, Ashland, Kentucky. Survey Party Chief for construction stakeout and documentation of work performed on two major highway projects in Marion, Virginia and Grayson, Kentucky.

Bluestone State Park Waterline Replacement Project



Bluestone State Park Waterline Replacement Project



STATE OF
WEST VIRGINIA

STAFFORD CONSULTANTS, INC.
P.O. Box 5849
Princeton, WV 24740

RELATED PRIOR EXPERIENCE

Stafford Consultants, Incorporated offers clients comprehensive professional services in civil engineering, ranging from feasibility studies through preliminary and final planning and design, preparation of construction drawings and specifications to construction administration and inspection.

Projects undertaken by Stafford have included dams, airports, mine planning and design, water and sewage facilities, highways and roads, hospitals, libraries, schools, athletic facilities, industrial parks, building and manufacturing facilities. However, water and wastewater projects account for approximately three-fourths of our workload. The firm has been very successful in seeing these projects to completion.

A. Related Prior Experience

Past services performed by Stafford include planning, design and inspection of all types of storm drainage, water supply and distribution systems, wastewater collection and treatment systems, highways, bridges, athletic stadiums, industrial parks, airports and several other Civil Engineering Design Projects. The projects often involve the preparation of impact statements, feasibility studies, facilities plans and reports as required by federal, state and local statutes. Stafford also participates in helping clients secure government aid and citizen support and project approval by the agencies having jurisdiction.

Stafford has considerable experience with public water and wastewater systems. Projects undertaken have ranged in size from small projects involving a construction cost of approximately \$5,000 to large projects in the range of twenty million.

Stafford's staff has been involved in the design and construction administration of over 110 water and wastewater projects in the past 25 years. The firm's staff has designed numerous water storage facilities ranging in size from 30,000 gallons to 750,000 gallons. Included in several of these projects were water treatment facilities ranging in size from 50 to 2,000 gallons per minute. Stafford has also assisted clients in renovating their existing facilities.

Water projects of note related to the proposed project include the Mercer/Summers Regional Water Project. This multi-phased project includes a 24-inch diameter transmission main between Hinton and Princeton and extensions to the Jumping Branch/Nimitz Public Service District. Numerous other extensions have been designed and construction to provide service along the transmission main.

Maps showing representative project locations in West Virginia and a list of descriptions of projects for which Stafford's staff has provided design and construction inspection services is presented herein.

B. Government Agency Project Experience

Close coordination between the Division, Stafford and government agencies is necessary to meet mutual goals in an efficient and timely fashion.

Stafford has aided communities and Public Service Districts in securing government aid, citizen support and project approval by the agencies having jurisdiction. The firm understands the regulations and funding applications required by law.

During the course of the past projects, Stafford has obtained the necessary approvals from the respective government agencies.

Stafford has been the engineer on many government funded projects including: EPA/DEP, HUD/SCBG, EDA, COE, Rural Utility Services (RUS) and West Virginia Infrastructure and Jobs Development Council. Examples include:

- City of Welch - Sewer System**
- Mercer County Commission - Water Projects**
- Logan County Public Service District Water Projects**
- Town of Lester Water System Improvements**
- Raleigh County Commission Sewer Projects**
- Tams Mountain Water Project (Raleigh County)**
- Town of Rainelle Water System Improvements**
- The Big Bend Public Service District Water Project (Summers County)**
- Rhodell Water Project**
- Jumping Branch - Nimitz PSD Water Project - Summers County**
- U.S. Steel Realty Housing Development**
- Piney Oaks Urban Renewal (Beckley)**
- Bridgeport Sewer Project**
- Alderson Sewage Project**
- Town of Bramwell - Sewer Treatment Plant & Collection System**
- Oakvale Road Public Service District (Mercer County)**
- Mercer/Summers Counties Water System**
- Danville Public Service District Sewer System, Boone County**
- McDowell County Public Service District - Water Systems**

Stafford has close association with agencies such as:

- USDA-Rural Utilities Services (Farmers Home Administration)**
- Economic Development Administration**
- U.S. Army Corps of Engineers**
- Appalachian Regional Commission**
- Housing and Urban Development**
- Federal Aviation Administration**
- Water Development Authority**
- Public Service Commission**
- The West Virginia Bureau of Public Health**
- Governor's Office of Economic and Community Development**
- West Virginia Public Land Corporation**
- Department of Culture and History**
- Department of Environmental Protection**
- West Virginia Infrastructure and Jobs Development Council**
- Numerous local and regional agencies**

SANITARY EXPERIENCE - WATER

New Haven Public Service District

Address: P.O. Box 89
Lansing, West Virginia 25862

Contact: Mr. Kenny Hayes (304) 658-4385
Mr. David Pollard (304) 574-4258
Mr. W. D. Smith (304) 872-4970

Project: Phase IIIH
Est. Cost: \$1,700,000
Status: Operational February 2005

Project: Phase III
Est. Cost: \$8,000,000
Status: Seeking Funding

Project: Phase IIG
Est. Cost: \$1,500,000
Status: Operational November 2003

Project: Phase I
Est. Cost: \$1,000,000
Status: Operational September 1999

Project: Phase IIA
Est. Cost: \$5,300,000
Status: Operational May 2001

Project: Phase IIB
Est. Cost: \$7,000,000
Status: Operational August 2001

Project: Phase IIC
Est. Cost: \$2,450,000
Status: Operational February 2002

Project: Phase IID
Est. Cost: \$2,800,000
Status: Operational August 2001

Project: Phase IIE
Est. Cost: \$2,400,000
Status: Operational May 2002

Project: Phase IIF
Est. Cost: \$1,400,000
Status: Operational February 2001

Summers County Commission/Oakvale Road Public Service District

Address: P.O. Box 1061
Princeton, West Virginia 24740

Contact: Mr. Dave Cole, Project Administrator (304) 431-7228
Mr. Lyle Huntington, General Manager (304) 487-2750

Location: Mercer and Summers Counties, West Virginia

Project: Feasibility Study, Design, Construction Administration and Resident Project Representation to serve a two county area as part of a public/private partnership. The Project is divided into three phases.

Project: Phase I - 24-inch transmission main between True and Princeton.
- eight distribution lines
- Contracts to serve the rural area between True and Princeton

Est. Cost: \$15,500,000

Status: Construction Complete, Operational - April 1997

Project: Phase II - 8-inch and 6-inch distribution lines to serve Camp Creek Road, Bent Mountain and other areas near Lerona

Est. Cost: \$4,100,000

Status: Operational 1998

Project: Phase III - 8-inch and 6-inch distribution lines to serve Brooks, Barksdale, Beech Run, Gold Coast, River Ridge and Pisgah Road areas

Est. Cost: \$4,000,000 - \$5,000,000

Status: Operational 2003

Wilderness Public Service District

Address: P. O. Box 37
Mt. Nebo, West Virginia 26679

Contact: Mr. Greg Eary (304) 872-1598

Location: Nicholas County, West Virginia

Project: Feasibility, design construction administration and inspection of water systems consisting of the following projects:

Project: **Phase I**
- 100,000-gallon water storage facility
- 200,000-gallon water storage facility
- 350 gpm surface water treatment facility & raw water intake from Meadow River
- 20 mile distribution lines

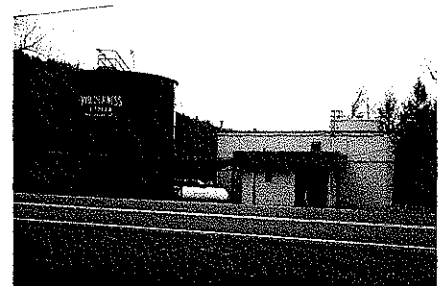
Est. Cost: \$2,000,000

Status: Begin 1977 - Operational 1981

Project: **Phase II - Water Distribution System Expansion**

Est. Cost: \$150,000

Status: Begin 1982 - Operational 1983



Project: Phase III - Water Distribution Expansion with Two Pressure Booster Stations, and rate of flow controllers.
Est. Cost: \$1,100,000
Status: Begin 1984 - Operational 1986

Project: Phase IV - Water Distribution Expansion with Booster Station, Two Storage tanks and rate of flow controller.
Est. Cost: \$1,400,000
Status: Complete - 1992

Project: Phase V - Water Distribution Expansion with Two Pressure Reducing Stations.
Est. Cost: \$1,300,000
Status: Design Complete in April 1997 – Operational 1998

Project: Phase VI - Water Distribution Expansion with Two Elevated Storage Tanks, Booster Station and Two Pressure Reducing Stations.
Est. Cost: \$3,700,000
Status: Operational 2003

McDowell County Public Service District

Address: HC 31 Box 436 J
Welch, West Virginia 24801

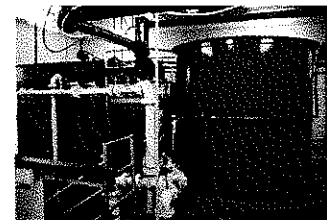
Contact: Mr. Jerry Stepp, Chairman (304) 297-2622
Location: McDowell County, West Virginia

Project: Town of Iaeger
- 80-gpm water treatment plant
- 100,000 gallon water storage tank
- 8", 6" and smaller water distribution lines
Est. Cost: \$4,600,000
Status: Phase I Design Complete

Project: City of War Water Project
- two 150,000-gallon water storage tanks
- 10", 8", 6" and smaller water distribution lines
Est. Cost: \$4,800,000
Status: Preliminary Engineering Report Complete

Project: Caretta/Coalwood Water Systems Replacement
- 72-gpm water treatment plant
- 114-gpm water treatment plant
- two 100,000-gallon water storage tanks
- distribution systems in each community
Est. Cost: \$2,965,000
Status: Complete

Project: Hemphill, Capels, Havaco, Wilcoe Water Systems
- 8", 6" and smaller water distribution lines
- One 30,000-gallon water storage tank
Est. Cost: \$1,950,000



Status: Complete

Project: Bartley/English Water System
 - 8", 6" and smaller water distribution lines
 - 200 GPM water treatment plant
 - One 183,000 gallon water storage tank

Est. Cost: \$1,900,000
Status: Complete

Project: Atwell/Raysal Water System
 - 8", 6" and smaller water distribution lines

Est. Cost: \$1,020,000
Status: Complete

Project: Bartley/English Water System
 - 8" and smaller water system connection between Bartley and Caretta

Est. Cost: \$520,000
Status: Complete

Project: Pageton Water Project
 - 12", 8", 6" and smaller water distribution lines
 - 220,000-gallon storage tank
 - Booster Pumping Station

Est. Cost: \$2,000,000
Status: Complete

Logan County Public Service District

Address: P.O. Box 506
 Logan, WV 25601

Contact: Mr. Rick Roberts, P.E. (304) 946-2641
Location: Logan County, West Virginia



Project: Study, preliminary and final design, construction administration and inspection of the following projects:

Project: Mud Fork/Rum Creek Water Distribution System with booster station and a 100,000-storage tank.
Est. Cost: \$1,000,000
Status: Completed 1983

Project: **Phase I** of Huff Creek-Christian water system comprising a water distribution system, a 100,000-gallon water storage tank and a 350 gpm water treatment facility with an upgraded capacity of 700 gpm. Project also includes raw water intake and presedimentation basin
Est. Cost: \$1,070,000
Status: Completed 1985

Project: **Phase II** of Huff Creek - Christian Water System comprising a water distribution system and a 150,000 gallon water storage tank.
Est. Cost: \$694,000
Status: Completed 1986

Project: Water study for the communities of Sarah-Ann and Crystal Block
Est. Cost: \$755,000
Status: Funding Pending

Project: Preliminary and final design, bidding and negotiating and construction administration for the Sharples emergency water system and replacement water system comprising well pump replacements, a water distribution system, a 100,000 gallon water storage tank and a 100 gpm pressure filter water treatment plant.

Est. Cost: \$706,250

Status: Completed 1986

Project: Phase III of Huff Creek - Christian Water System comprising a water distribution system and a 200,000 gallon water storage tank.

Est. Cost: \$840,300

Status: Completed 1990



Project: Phase IV of Huff Creek - Christian Water System comprising of a 200,000 gallon water storage tank, booster pump station and water distribution system.

Est. Cost: \$1,000,000

Status: Completed 1993

Project: Dingess Run Waterline Extension Project comprising of water distribution lines, one 65,000-gallon water storage tank, one 200,000-gallon water storage tank and two booster pump stations.

Est. Cost: \$1,250,000

Status: Completed 1996

Project: Whitman Creek Waterline Extension Project comprising of water distribution lines, one 140,000-gallon water storage tank, one 183,000-gallon water storage tank, and one booster pump station.

Est. Cost: \$2,000,000

Status: Completed 1998

Project: Regional Jail Waterline Extension Project comprising of water distribution lines, one 250,000 gallon water storage tank and one high pressure booster pump station.

Est. Cost: \$2,000,000

Status: Completed 1998

Project: Elk Creek -- Verner Waterline Extension Project comprised of water distribution lines, one 88,000-gallon water storage tank and one 58,000-gallon water storage tank and one booster pump station.

Est. Cost: \$1,270,000

Status: Completed 1999

Project: Garrett's Fork Water Distribution System Extension Project comprised of 12" and smaller water distribution lines and two pressure reducing stations.

Est. Cost: \$2,050,000

Status: Completed 2002

Project: Crawley Creek Water Distribution System Extension Project comprised of 10" and smaller water distribution lines, one 300,000-gallon water storage tank, one 200,000-gallon water storage tank and one booster pump station.

Est. Cost: \$3,900,000

Status: Completed 2000

Project: Pine Creek Water Distribution System Extension Project comprised of 12" and smaller water distribution lines, one 300,000-gallon water storage tank and one high head booster pump station.

Est. Cost: \$1,590,000

Status: Completed 2000

Project: Caney Branch/Rocky Branch Water Distribution System Extension Project comprised of 8" and smaller water distribution lines, one 115,000-gallon water storage tank and one booster pump station.

Est. Cost: \$2,145,000

Status: Completed 2006

Project: Northfork Water Distribution System Extension Project comprised of 8" and smaller water distribution lines, one 154,000-gallon water storage tank and one booster pump station.

Est. Cost: \$2,295,000

Status: Construction Funding Pending

Project: Huff Creek Water Distribution System Extension Project, Phase V comprised of 10" and smaller water distribution lines, one 142,000 gallon water storage tank, one 158,000 gallon water storage tank and two booster pump stations. This system serves into Wyoming County.

Est. Cost: \$3,600,000

Status: Completed 2004

City of Summersville

Address: 400 North Broad Street
Summersville, West Virginia 26651

Contact: Mr. James Corbitt (304) 872-1211
Mr. Steve Acree (304) 872 5052

Project: U.S. Route 19 Economic Development Center Upgrading, study, design, construction administration and inspection of distribution lines, water storage facilities, sewage treatment plant upgrading & collection system.

Est. Cost: \$3,200,000

Status: Complete

Project: Glade Creek Phase I – Waterlines

Est. Cost: \$1,700,000

Status: Operational 1999

Project: Summersville Regional Water Project

Est. Cost: \$11,000,000

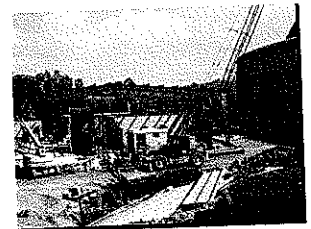
Status: Operational 2004

Project: Glade Creek Phase IIA – Waterlines

Est. Cost: \$4,800,000

Status: Seeking Funding

Project: Glade Creek Phase IIB – Waterlines



Est. Cost: \$4,000,000
Status: Seeking Funding

City of Gary

Address: City of Gary
P.O. Box 310
Gary, West Virginia 24836
Contact: Mayor Henry Paul (304) 448-2209
Location: Gary, West Virginia

Project: Gary Regional Water System, Design, Construction Administration & Inspection
- Upgrade 2.0 MGD Water Treatment Plant
- Approximately 60,000 feet of 12" through 6" water main
- Raw Water Pump Station
- Three Booster Pump Stations
- Rehabilitate Three Storage Tanks

Est. Cost: \$4,000,000
Status: Complete

Big Bend Public Service District

Address: P.O. Box 114
Talcott, West Virginia 24981

Contact: Mrs. Wanda Ball (304) 466-3258
Mr. Dave Cole (304) 431-7228

Location: Summers County, West Virginia

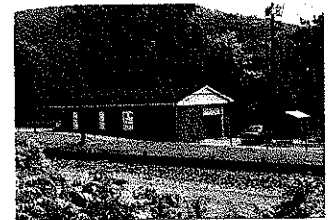
Project: Ballagee, Barger Springs, Forest Hill, Wiggins and Browning Water Distribution System Extension
- 8", 6" and smaller water distribution lines
- four water storage tanks
- two lift stations

Est. Cost: \$6,000,000
Status: Preliminary Engineering Report Complete

Project: Feasibility Study, Design, Construction Administration and Inspection
Phase I
- two 100,000-gallon water storage tanks
- 11 miles of distribution lines
- 200-gpm water treatment facility for surface water Greenbrier River Raw Water Intake

Est. Cost: \$1,300,000
Status: Began 1977 - Operational 1980

Project: **Phase II**
- 2 miles of distribution lines
- 25,000 gallons per day package wastewater treatment plant, Lift Station



Est. Cost: \$700,000
Status: Operational 1989

Project: **Phase III**
- 2 miles of distribution lines and one river crossing

Est. Cost: \$450,000
Status: Operational 1993

Project: **Phase IV**
- 1.5 miles of distribution lines

Est. Cost: \$240,000
Status: Project in Design Phase

Project: **Willowwood Waterline Extension**
- Two miles of Water Distribution System

Est. Cost: \$210,000
Status: Operational 1998

Mercer County Commission

Address: Mercer County Courthouse
Princeton, West Virginia 24740

Contact: Mr. Lyle Huntington (304) 487-2750
Mr. Dave Cole (304) 431-7228

Location: Mercer County, West Virginia

Project: I-77/U.S. Route 460 Economic Development Project Study, Design Construction
Administration and Inspection
- 150,000-gallon water storage tank
- distribution lines to serve private industrial development and tourist center with
booster station system to be operated by WV American Water Company

Est. Cost: \$1,300,000
Status: Complete

Town of Ansted

Contact: Mr. W. D. Smith (304) 872-4970

Location: Fayette County, West Virginia

Project: New River Raw Water Intake and Supplemental Finished Water Storage
- 200-gpm intake in New River
- ten-inch transmission line
- 330,000 gallon finished water storage tank

Est. Cost: \$961,500
Status: Completed November 1991

Town of Athens

Address: Athens Town Hall
Athens, West Virginia 24712

Contact: Mayor Robert Richardson (304) 384-3525
Location: Mercer County, West Virginia

Project: Water Line Extension and Fire Protection Provisions to serve the Forest Products Marketing Laboratory
Est. Cost: \$192,000
Status: Completed September 1991

Project: Water Line Extension to serve Springs Road and Interstate 77 Intersection
Est. Cost: \$430,000
Status: Completed

Town of Lester

Address: P.O. Box 56
Lester, West Virginia 25865

Contact: Mayor Ivan Snuffer (304) 934-6301
Location: Lester, West Virginia

Project: Feasibility study, design, construction administration and inspection of water distribution system and renovation of storage facilities.
Est. Cost: \$500,000
Status: Begin 1985 - Operational 1987

Town of Alderson

Address: P.O. Box 179
Alderson, West Virginia 24910

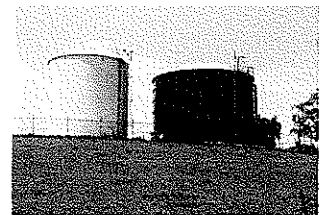
Contact: Mr. Luther Lewallen, Mayor (304) 445-2916
Location: Greenbrier and Monroe Counties, West Virginia

Project: Miscellaneous Consulting Services related to water treatment plant operation.
Est. Cost: Local funding
Status: On-going

Project: Comprehensive Water Treatment Plant and Distribution System Report and Study.
Status: Report Complete

Project: **Phase I**
Feasibility study, design, construction administration and inspection of two water storage facilities, raw water intake, 350-gpm facility and distribution system.
Est. Cost: \$900,000
Status: Completed

Project: **Phase II**
Study Design, construction and inspection of water treatment plant expansion including presedimentation basin, raw water intake, and above ground storage.



Est. Cost: \$1,000,000
Status: Completed January 1991

Town of Rainelle

Address: P.O. Box 648
Rainelle, West Virginia 25962

Contact: Mayor Eugene McKenzie (304) 438-7191
Location: Greenbrier County, West Virginia

Project: Design and Construction period services for water system and treatment plant renovations.
Est. Cost: \$1,000,000
Status: Design Complete

Project: Design, construction administration and inspection for water system renovation.
- 150,000-gallon storage tank
- 4,500 feet of distribution lines
Est. Cost: \$240,000
Status: Begin 1985 - Operational 1986

QUALITY CONTROL

Because time delays usually result in increased construction costs, we recommend that as soon as a project team is together that Stafford prepare a preliminary schedule that would be reviewed and finalized by members of the project team. The schedule would provide critical dates for the entire project and how each member of the project team would operate within the schedule. It would provide the Division with a tool to monitor the progress of the project and each member's performance so that corrective actions can be taken to assure that the project stays on schedule. It has been our experience that a detailed schedule that is constantly monitored results in projects staying on schedule and within budget.

During the design phase and prior to issuance of Contract Documents for bidding, Stafford conducts an in-house quality control review of all Plans and Specifications by a Professional Engineer not involved with development of the Plans and Specifications. One purpose of this in-house review is to identify potential claim/problem areas. Following the review, Stafford will fully inform the Division of any areas of concern that may need to be addressed. This review would be performed by our personnel experienced in construction and claims avoidance.

During the review of the project it is important for the Division to take an active role in the review of the project to be sure their concept of the project is being fulfilled.

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