



**Chapman
Technical
Group**

Statement of Qualifications
for
Professional Engineering Services
to the
West Virginia Division of Natural Resources
Parks and Recreation Section
for the
Canaan Valley Resort State Park
Wastewater Facilities Improvements

October 9, 2008

200 Sixth Avenue
St Albans, WV 25177

304.727.5501
FAX 304.727.5580

Buckhannon, WV
Martinsburg, WV

www.chaptech.com

RECEIVED

08 OCT -6 PM 12:06

PURCHASING DIVISION
STATE OF WV

October 9, 2008



Mr. Frank Whittaker, Senior Buyer
Purchasing Division
2019 Washington Street, East
Post Office Box 50130
Charleston, West Virginia 25305-0130

**Re: Canaan Valley Resort State Park
Wastewater Facilities Improvements
RFQ# DNR209026**

Dear Mr. Whittaker:

Chapman Technical Group is extremely interested in providing professional engineering services to the West Virginia Division of Natural Resources for the Canaan Valley Resort wastewater facilities improvements project. We are a full-service engineering and architectural consulting firm with offices located in St. Albans, Martinsburg, and Buckhannon, West Virginia, with the ability to perform all of the Town's required work with our current in-house staff of over 40 personnel.

Since 1984, Chapman Technical Group has been responsible for the planning, administration, design and construction of over \$300 million of water and wastewater system improvements projects throughout West Virginia. Our experience with wastewater treatment, collection and pumping facilities has ranged from small on-site systems to over 11.0 MGD facilities and has involved both new construction and rehabilitation/renovation of existing facilities, including infiltration and inflow reduction.

I am enclosing an original and two (2) copies of our Statement of Qualifications outlining our capabilities, representative project experience listings, resumes on the professionals in our firm, and other information regarding our ability to provide professional engineering services in a timely manner and within budget. For references, we encourage you to contact representatives involved with any of the projects listed in the Project Experience or References sections of this proposal concerning our performance on past or present projects. For additional information on our firm, please visit our website at www.chaptech.com

Chapman Technical Group has the experience, technical qualifications, and commitment to client satisfaction needed to assist the Division of Natural Resources with the successful completion of this project. We would welcome the opportunity to personally present our firm's capabilities to your selection committee and look forward to hearing from you.

Very truly yours,

CHAPMAN TECHNICAL GROUP

A handwritten signature in black ink, appearing to read 'Robert G. Belcher', is written over a light-colored background.

Robert G. Belcher, P.E.
Senior Vice President, Engineering

200 Sixth Avenue
St. Albans, WV 25177

304 7275501
FAX 304 7275580

Buckhannon, WV
Martinsburg, WV

www.chaptech.com

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

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

DEFINITIONS:

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

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

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

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 are in compliance with the requirements as stated.

Vendor's Name: Chapman Technical Group

Authorized Signature: Robert C. Bell

Date: October 9, 2008



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:
DNR209026

PAGE:
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER
304-558-2316

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

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
09/10/2008				

BID OPENING DATE: **10/02/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST</p> <p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST TO PROVIDE ARCHITECTURAL AND ENGINEERING SERVICES FOR IMPROVEMENTS TO THE WASTEWATER FACILITIES AT CANAAN VALLEY RESORT STATE PARK PER THE ATTACHED SPECIFICATIONS.</p> <p>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 24, 2008 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS, IF ANY, WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>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 BID OPENING AND IN ANY FORMAT.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: DNR209026</p> <p>ADDENDUM ACKNOWLEDGEMENT</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
DNR209026

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**FRANK WHITTAKER
 304-558-2316**

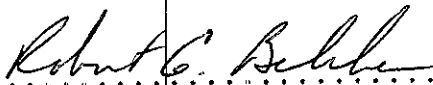
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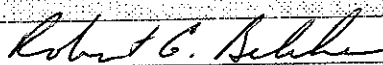
ADDRESS

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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

DATE PRINTED 09/10/2008	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
BID OPENING DATE: 10/02/2008		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 <input checked="" type="checkbox"/></p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: right;">  SIGNATURE Chapman Technical Group COMPANY October 9, 2008 DATE </p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE 	TELEPHONE 304-727-5501	DATE 10/9/2008	
TITLE V.P., Engineering	FEIN 550704766	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

Request for Quotation

RFQ NUMBER:
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PAGE:
4

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DIVISION OF NATURAL RESOURCES
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 BUILDING 3, ROOM 719
 1900 KANAWHA BOULEVARD, EAST
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 25305-0662 304-558-2775

DATE PRINTED 09/10/2008	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **10/02/2008** BID OPENING TIME **01:30PM**

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 EO1: (304)727-5580 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): Greg Belcher ----- ***** THIS IS THE END OF RFQ DNR209026 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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



**Chapman
Technical
Group**

1

Executive Summary

2

Company Overview & Awards

3

Project Experience

4

Project Team

5

Resumes

6

Ability to Meet Budgets and Deadlines

7

References

8

Technology Resources

Executive Summary



Selecting a firm to provide professional services can be difficult in today's market. Many firms offer computer services and technical skills; however, Chapman Technical Group offers qualities that other firms may lack. Summarized below are the benefits of selecting Chapman Technical Group.

Since 1984, Chapman Technical Group has been responsible for the planning, administration, design, and construction of over \$300 million of water, wastewater, and stormwater system improvements projects throughout West Virginia involving both new construction and rehabilitation/renovation of existing facilities.

We are a true West Virginia firm, and our personnel have a wealth of experience in the potable water, wastewater, and stormwater fields in West Virginia, and are adept at dealing with the many challenges our unique terrain presents.

Chapman Technical Group's staff of nearly 40 personnel, including environmental, civil, structural, and electrical engineers, as well as architects, landscape architects, surveyors, technicians, and construction representatives are available to begin work immediately.

Computer Aided Design and Drafting (CADD) is our primary means of production. Most of our design work is completed by design professionals working directly on CADD workstations, supported by qualified CADD technicians and designers.

With offices in north, south and central West Virginia and a corporate airplane on hand, Chapman Technical Group can access the entire state on short notice.

Most Chapman Technical Group employees are natives of West Virginia and are graduates of West Virginia colleges and universities.

Preparation of preliminary engineering reports and feasibility studies are frequent tasks that Chapman Technical Group regularly provides. Our experience in the water, wastewater, and stormwater engineering fields, our knowledge and experience with all funding agencies, and our working relationship with regulatory agencies all provide invaluable resources towards the successful development of any project.

Our reputation for providing innovative and cost-effective design solutions, our commitment to client satisfaction, and our proven track record in meeting schedules and budgets have all combined to make Chapman Technical Group the clear leader in the environmental engineering consulting field in West Virginia.

Company Overview



Chapman Technical Group's St. Albans Office

Chapman Technical Group is a full-service consulting firm with offices in St. Albans, Buckhannon, and Martinsburg, West Virginia offering an extensive range of professional architectural, engineering, interior design and landscape architectural services. Established in 1984, Chapman Technical Group has steadily grown to a diverse firm of professionals, many of whom were educated in West Virginia colleges and universities. We have achieved an outstanding reputation for providing high-quality design projects, while meeting client schedules and budgets and have received numerous awards for our work.

Our facilities are both state-of-the-art and architecturally significant. Our St. Albans office is a former post office and is now on the National Register of Historic Places. We also have a corporate airplane to better access our project sites.

Chapman Technical Group offers a broad range of professional services.

- Airport Design
- Architecture
- Civil Engineering
- Fire Puming & Protection
- Interior Design
- Landscape Architecture
- Recreational Facilities
- Roads, Highways, & Bridges
- Site Development
- Space Planning
- Surveying
- Water & Wastewater Systems

Awards



AMERICAN INSTITUTE OF ARCHITECTS - HONOR AWARD FOR EXCELLENCE IN ARCHITECTURE, 2008 - Upshur County Courthouse Restoration and Renovations

AMERICAN COUNCIL OF ENGINEERING COMPANIES-WV - ENGINEERING EXCELLENCE AWARD, 2007, Silver Award - Structures Category for the Mercer County Airport Runway Safety Area Project.

GARY KING COMMUNITY SERVICE AWARD, 2006.

GOOD SCOUT RECIPIENT, 2005

AMERICAN COUNCIL OF ENGINEERING COMPANIES-WV - ENGINEERING EXCELLENCE AWARD, 2003, Gold Award - Water Treatment Category for the City of Fairmont Water Treatment Plant Project.

AMERICAN COUNCIL OF ENGINEERING COMPANIES-WV - ENGINEERING EXCELLENCE AWARD, 2002, Gold Award - Transportation Category for the Raleigh County Memorial Airport Runway Rehabilitation Project.

WINNER - "COMMISSIONER'S ENGINEERING ACHIEVEMENT AWARD", 2000, The WV DOT - Division of Highways - Large Bridge Category for WV10 Buffalo Creek Bridge, Logan County, West Virginia.

FINALIST - "COMMISSIONER'S ENGINEERING ACHIEVEMENT AWARD", 1999, The WV DOT - Division of Highways - Large Roadway Category for WV10 Buffalo Creek - Taplin Project and 2000 for WV10 Buffalo Creek - Huff Junction Project, both in Logan County, West Virginia.

AMERICAN COUNCIL OF ENGINEERING COMPANIES-WV - ENGINEERING EXCELLENCE AWARD, 1999, Silver Award - Water and Wastewater Category, for the City of Beckley Piney Creek Wastewater Treatment Plant Project

ENTREPRENEUR OF THE YEAR AWARD - FINALIST, 1999 and 2000, Sharon L. Chapman, President, was named one of twenty finalists in the West Virginia Area Entrepreneur of the Year Award. Sharon was recognized for leading Chapman Technical Group to become one of the most highly regarded engineering firms in the state after the death of her husband and company founder, Harvey R. Chapman.

"EXPECT THE BEST FROM WEST VIRGINIA AWARD", 1998, Charleston Regional Chamber of Commerce. The Expect the Best program was created to recognize West Virginia businesses and organizations that promote quality of life at home, work, and in the community so that individuals and organizations will implement quality principles and practices leading to unprecedented pride and economic growth in West Virginia.

HONOR AWARD, West Virginia Chapter of the American Society of Landscape Architects, 1994, Shrewsbury Street Area Redevelopment Plan, for excellence in planning and design projects. Joseph E. Bird, ASLA, Project Manager.

"GOVERNOR'S AWARD FOR ENGINEERING EXCELLENCE", 1990, The West Virginia Chapter of the American Public Works Association, in recognition of outstanding Public Works Engineering and Design of Projects within West Virginia.

DUNDEE CEMENT COMPANY ANNUAL DESIGN AWARD, 1988, Yeager Airport Taxiway Overlay Project Harvey R. Chapman, P.E., Project Manager.

AUSTIN C. PALMER "OUTSTANDING FACILITY DESIGN AWARD", 1988, City of Bridgeport Swimming Pool Complex. Harvey R. Chapman, P.E., Project Manager.

"GEORGE WARREN FULLER AWARD", Harvey R. Chapman, 1984, Robert G. Belcher, P.E., 2001, and Sharon L. Chapman, 2005, American Water Works Association, for distinguished service in the water supply field in the State of West Virginia.

Environmental Engineering



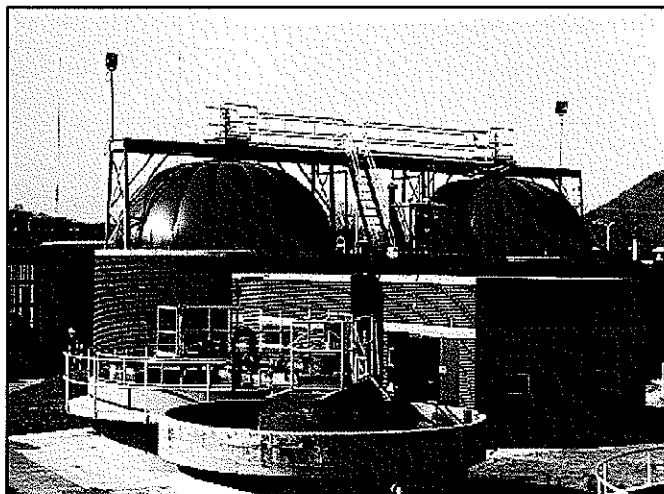
Environmental engineering at Chapman Technical Group primarily involves water and wastewater system analysis, planning, design, construction administration, and construction observation services for all aspects of municipal and commercial/industrial projects. Our vast experience in these areas has enabled our firm to become one of the clear leaders in the fields of water, wastewater, and stormwater engineering. This enables the development and betterment of our communities by improving our environment and providing for the public's health, safety, welfare, and convenience.

- Feasibility Studies/Facility Plans
- Water and Wastewater Treatment Design
- Water Distribution and Storage
- Wastewater Collection and Pumping
- Computerized Hydraulic Network Analysis
- I/I Analysis/SSES Studies/CSO Plans
- Stormwater Management Programs



Water Engineering

Chapman Technical Group's experience with water system projects has encompassed new construction as well as renovations and rehabilitation of existing treatment, storage, pumping, and distribution facilities ranging in size from small on-site systems supplying only a handful of people to larger systems supplying approximately 100,000 people. Our firm also provides in-depth comprehensive planning studies, including source of supply studies relating specifically to record and recurring droughts, as well as detailed computerized hydraulic analyses of entire systems in order to identify and eliminate any significant flow and pressure constraints within those systems.



Wastewater Engineering

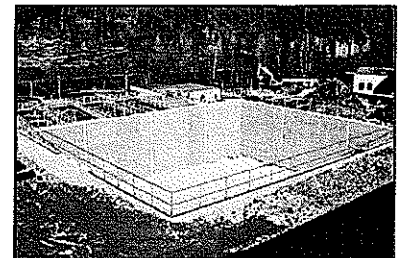
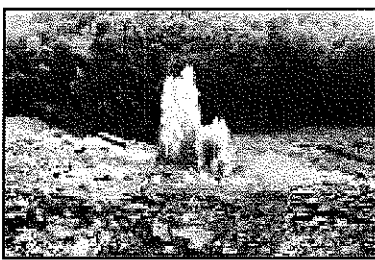
Chapman Technical Group's experience with wastewater system projects has encompassed new construction as well as renovations and rehabilitation of existing treatment, pumping, and collection facilities ranging in sizes from small on-site systems to larger systems supplying approximately 100,000 people. Our firm also provides in-depth comprehensive facility planning studies, including extensive field investigations for performing detailed infiltration/inflow analysis and subsequent sanitary sewer system evaluation surveys.

Wastewater Engineering



Piney Creek Wastewater Treatment Plant

93082



City of Beckley Sanitary Board
301 South Heber Street
Beckley, West Virginia

The Wastewater System Improvements Project consisted of 1) Wastewater Treatment Plant Expansion and Improvements, 2) Whitestick Pump Station Improvements, and 3) Pinecrest Interceptor Replacement. The total project cost was approximately \$11,400,000. Chapman Technical

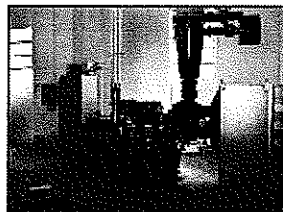
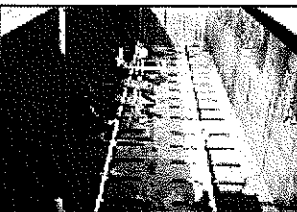
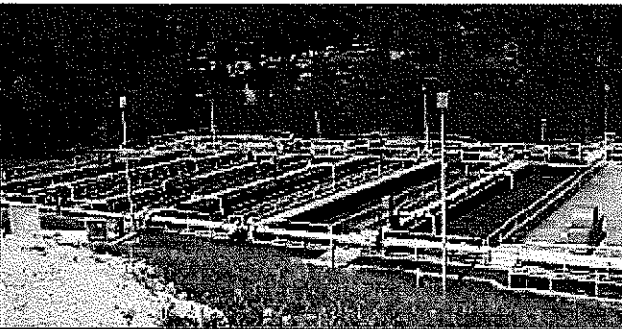
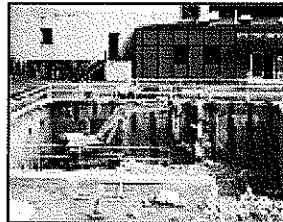
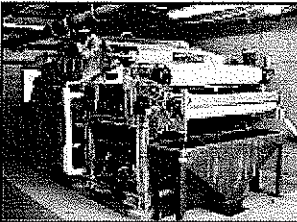
Group provided all design and construction phase services for all three projects. The WWTP Expansion and Improvements, along with the Whitestick Pump Station Improvements, were completed in July 1999. The Pinecrest Interceptor Replacement was completed in October 1996.

Wastewater Engineering



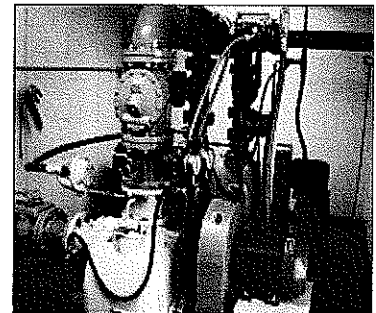
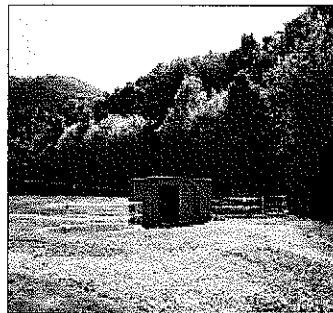
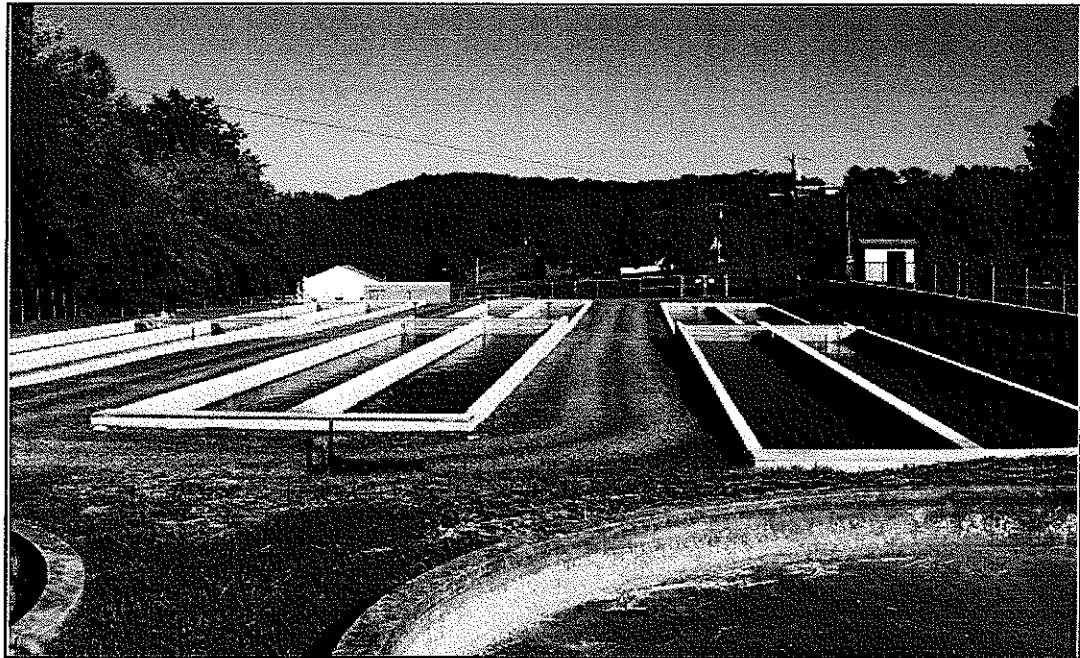
Piney Creek Wastewater Treatment Plant

93082



The Wastewater Treatment Plant Project consisted of the construction of a new 4.5 MGD Wastewater Treatment Plant (WWTP) and improvements to the existing 3.5 MGD Piney Creek WWTP. The new WWTP operates in conjunction with the existing WWTP and began operation in July 1999. The design average daily and peak daily flows for the combined treatment plants are now 8.0 MGD and 18.0 MGD, respectively. The new 4.5 MGD WWTP includes: two (2) sequencing batch reactor (SBR) treatment tanks; equalization basin; SBR control/blower building; influent distribution box; rate-of-flow control valve; 18.0 MGD ultraviolet (UV) disinfection system; emergency generator; and site work. Improvements to the existing treatment plant included a new headworks building housing a mechanically-cleaned bar screen, grit removal system, septage receiving unit, and vector truck dumping station; headworks lift station; plant lift station; belt filter press building with two (2) 1.5 meter combination belt presses and sludge handling pumps, and two (2) sludge holding tanks. Also included was the replacement of the existing mechanical surface system with fine bubble diffused aeration and a 300 HP single-stage centrifugal blower, sludge transfer and digester pumps, combined effluent outfall, and SCADA (Supervisory Control and Data Acquisition) system. The Beckley Sanitary Board solicited bids and pre-purchased the SBR equipment, combination belt filter presses, and the UV disinfection system equipment in advance of the general construction contracts. Chapman Technical Group prepared all procurement documents and performed the evaluation of all proposals received.

City of Beckley Sanitary Board
301 South Heber Street
Beckley, West Virginia 25801



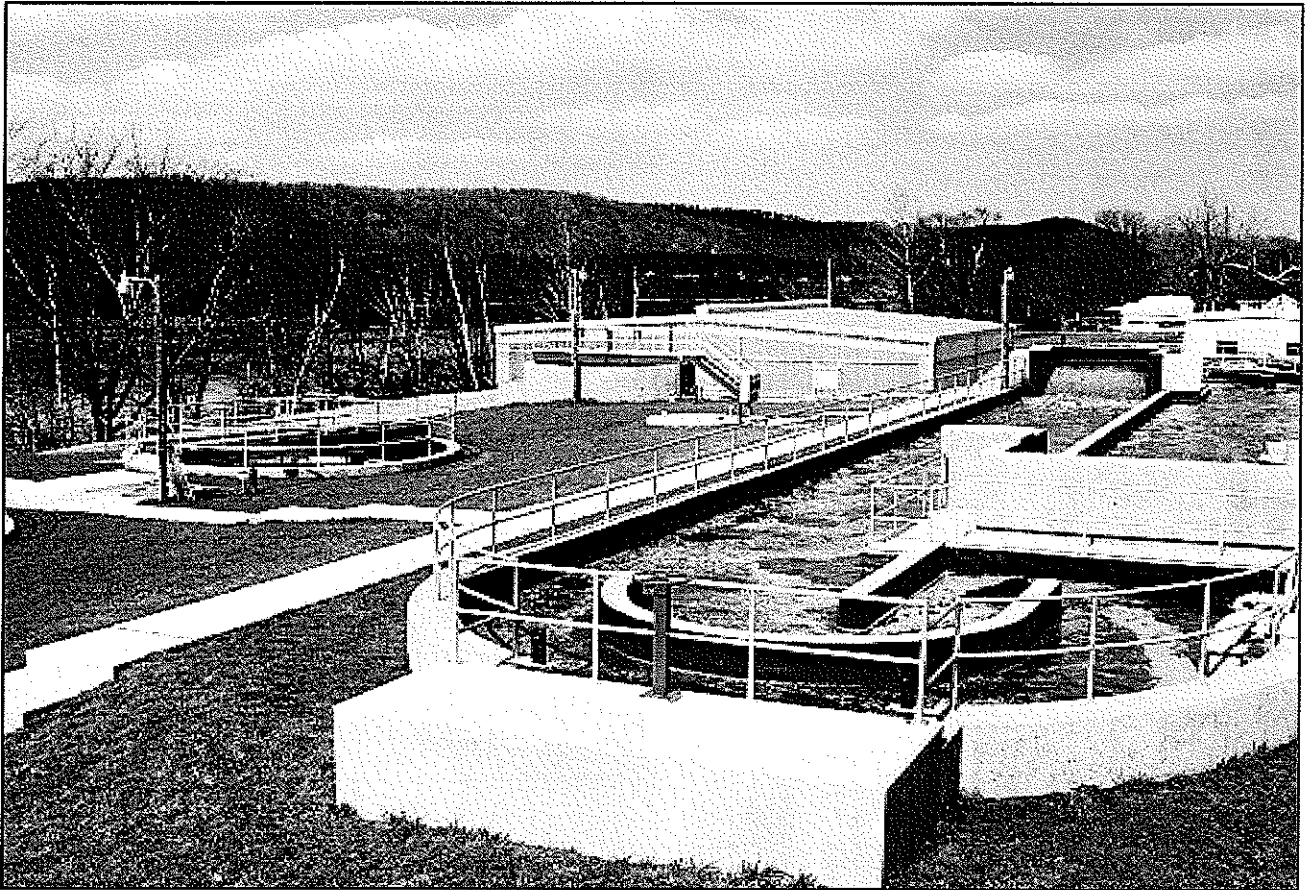
Division of Natural Resources
Building 3, Room 816
1900 Kanawha Boulevard, East
Charleston, West Virginia 25305

Chapman Technical Group provided design and construction observation services for the Spring Run Fish Hatchery project that was completed in 2007. The project consisted of one (1) 25'-0" diameter batch clarifier; one (1) 20'-0" diameter sludge holding tank; sludge transfer pump station with two (2) 350 GPM self priming, centrifugal solids handling pumps; new effluent composite sampling and flow measurement system; new outfall structure; 860 linear feet of 12" 15" and 18" HDPE/DIP gravity sewer pipe; 1,000 linear feet of 8", 10" 12" and 16" DIP waterlines; (27) 8", 10", 12" and 16" gate valves; 13 pre-cast concrete manholes; structural crack repairs to existing raceways; piping modifications to existing raceways; removal of two existing concrete rearing ponds and associated electrical work; three (3) new 2 pass concrete raceways and associated piping; and site work and access road improvements



Poca Wastewater System Improvements

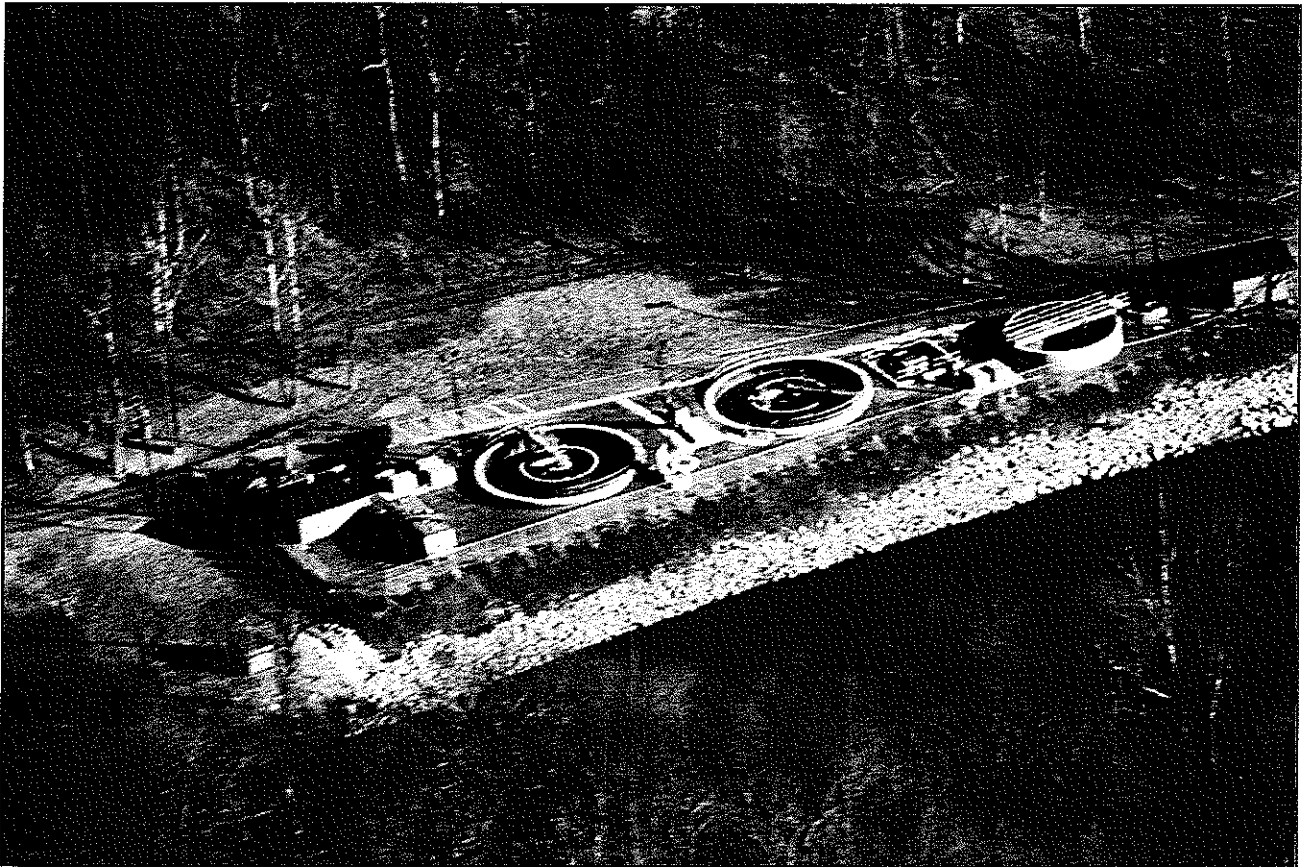
87007



Town of Poca Sanitary Board
Post Office Box 586
Poca, West Virginia 25159

Provided project administration and construction observation services for the project which included a 325,000 GPD wastewater treatment facility, 15 pump stations, and approximately 7 miles of collection lines. Also included the rehabilitation of 3 existing pump stations and over 5,000 feet of existing collection lines, including the main 12" interceptor sewer through town. We were selected to take over this project which had been designed by another engineering firm and our responsibilities included a complete review of the design, providing all cash flow analyses, certifying the financial

feasibility of the project and providing all Step III engineering services. Chapman Technical Group was able to redesign approximately 75% of the entire system which resulted in a substantial construction cost savings to the Town of Poca as well as enhancing the operation and maintenance of the system. We were able to perform this work well within the previously established budget for Step III administrative services portion of the engineering contract. The system was completed and started up on schedule, at which time we had expended only 75% of the total contract amount for the Step III engineering services, resulting in yet another cost savings to the Town of Poca.



Town of Clay
Post Office Box 55
Clay, West Virginia 25043

Chapman Technical Group provided all design and construction phase services for the consolidation of two wastewater treatment plants treating the Town's wastewater flow. The project included a new 200,000 GPD wastewater treatment facility capable of handling a peak flow in excess of 500,000 GPD. This state-of-the-art facility utilizes an activated sludge process capable of achieving advanced secondary treatment levels. Other aspects of the project included the replacement of three existing lift stations, installation of new wastewater transmission lines, five new lift stations, and expansion of the sewage collection system to Lower Clay.



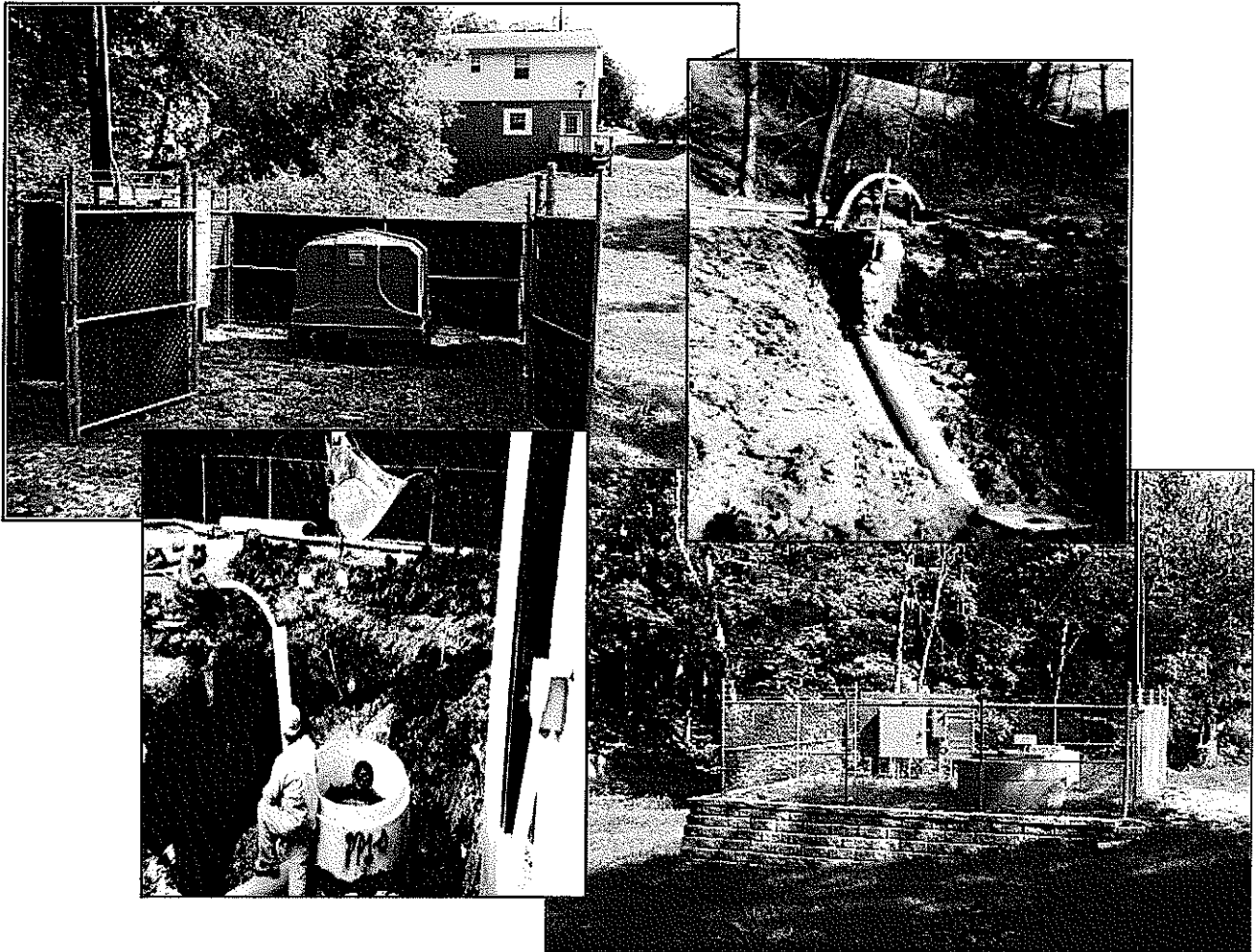
Silling Associates, Inc.
405 Capitol Street, Suite 300
Charleston, West Virginia 25301

Design and periodic construction observation services for a new 200,000 GPD wastewater treatment facility and a new main interceptor sewer to serve the Huttonsville Correctional Center including stormwater separation and infiltration/inflow reduction. Project included the renovation of portions of the existing primary treatment plant and incorporating these units in the new plant design to provide a cost savings to the owner. Responsibilities also included the interfacing and coordination with all regulatory agencies having jurisdiction.



Culloden Wastewater System Improvements

01022



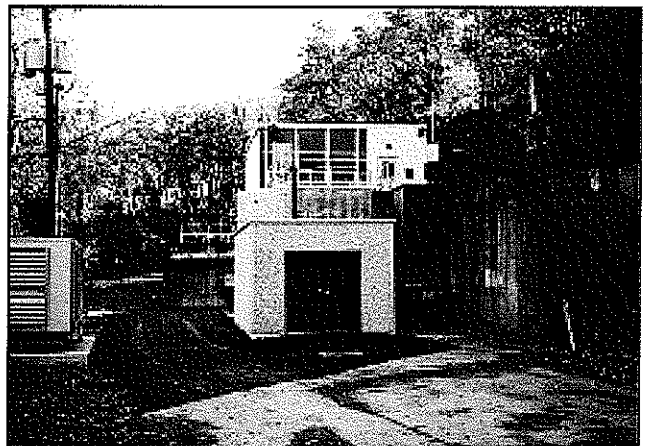
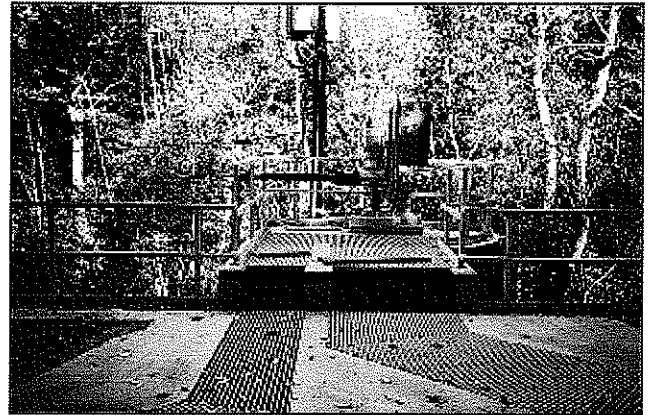
Culloden Public Service District
Post Office Box 405
Culloden, West Virginia 25510-0405

Chapman Technical Group provided design and construction observation services for the Wastewater System Improvements project that was completed in 2007. The project consisted of the removal and replacement of approximately 3,600 feet of existing 8" VCP with 10", 12" 15" and 18" PVC/DIP gravity sewer pipe; installation of approximately 4,670 feet of new 6", 8", 12" and 15" PVC/DIP gravity sewer; 755 feet of 3" PVC force main; 30 new pre-cast concrete manholes; removal and replacement of 17 existing manholes; one (1) new 55 GPM duplex submersible grinder lift station; and the replacement of one (1) existing 180 GPM lift station with a new 180 GPM top-mounted lift station.



Whitestick Pump Station

93082



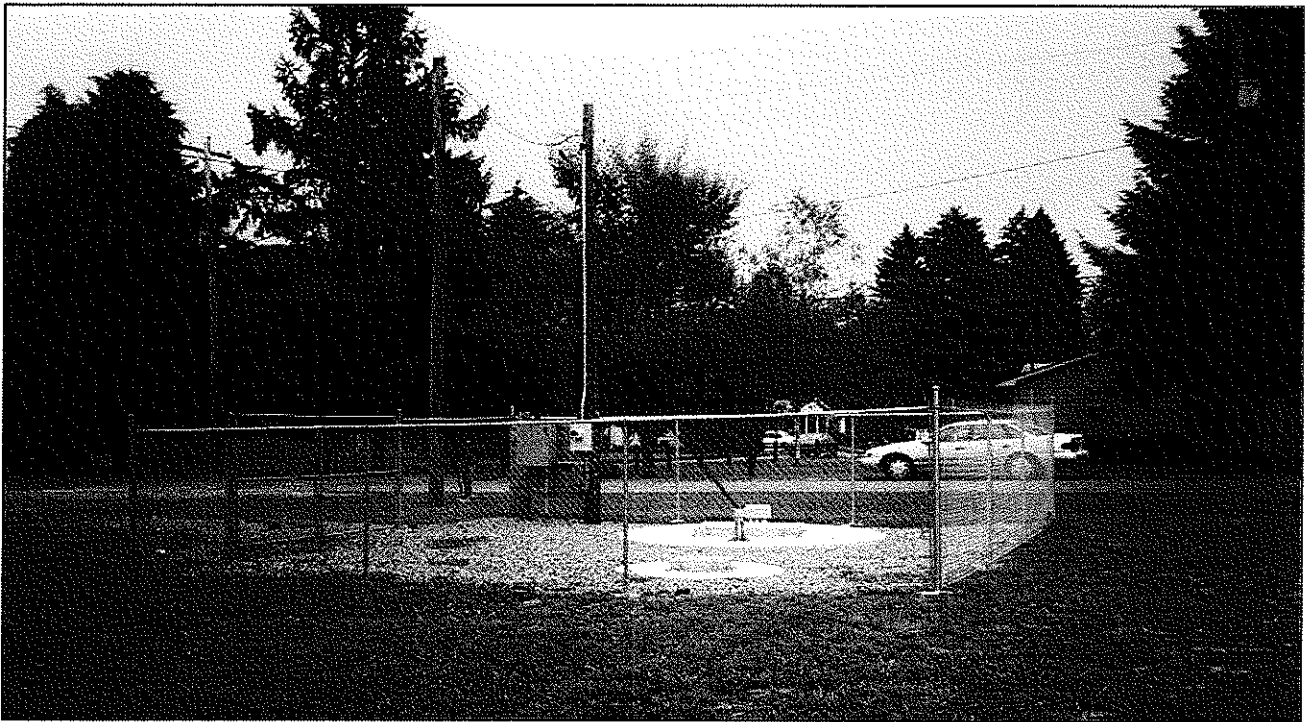
City of Beckley Sanitary Board
301 South Heber Street
Beckley, West Virginia 25801

The Whitestick Pump Station Improvements Project consisted of the removal and replacement of the existing 60 HP pumps with 100 HP pumps for reliability and to increase pumping capacity to 2.00 MGD - 4.32 MGD, replacement of the existing grit removal system, installation of flow measurement equipment, CSO settling tank piping and disinfection equipment, site work and electrical work, including emergency power capabilities.



Renovation of Lift Stations No. 3, 5, and 6

96031



City of Belington
Post Office Box 926
Belington, West Virginia 26250

The project included design and construction services for the renovation of three (3) existing wetwell/drywell lift stations. Project components of Lift Stations No. 3, 5, and 6 consisted of new submersible pumps, concrete wetwells, valve vaults, site fencing, and electrical controls

Hazelwood Sewer Extension

97006

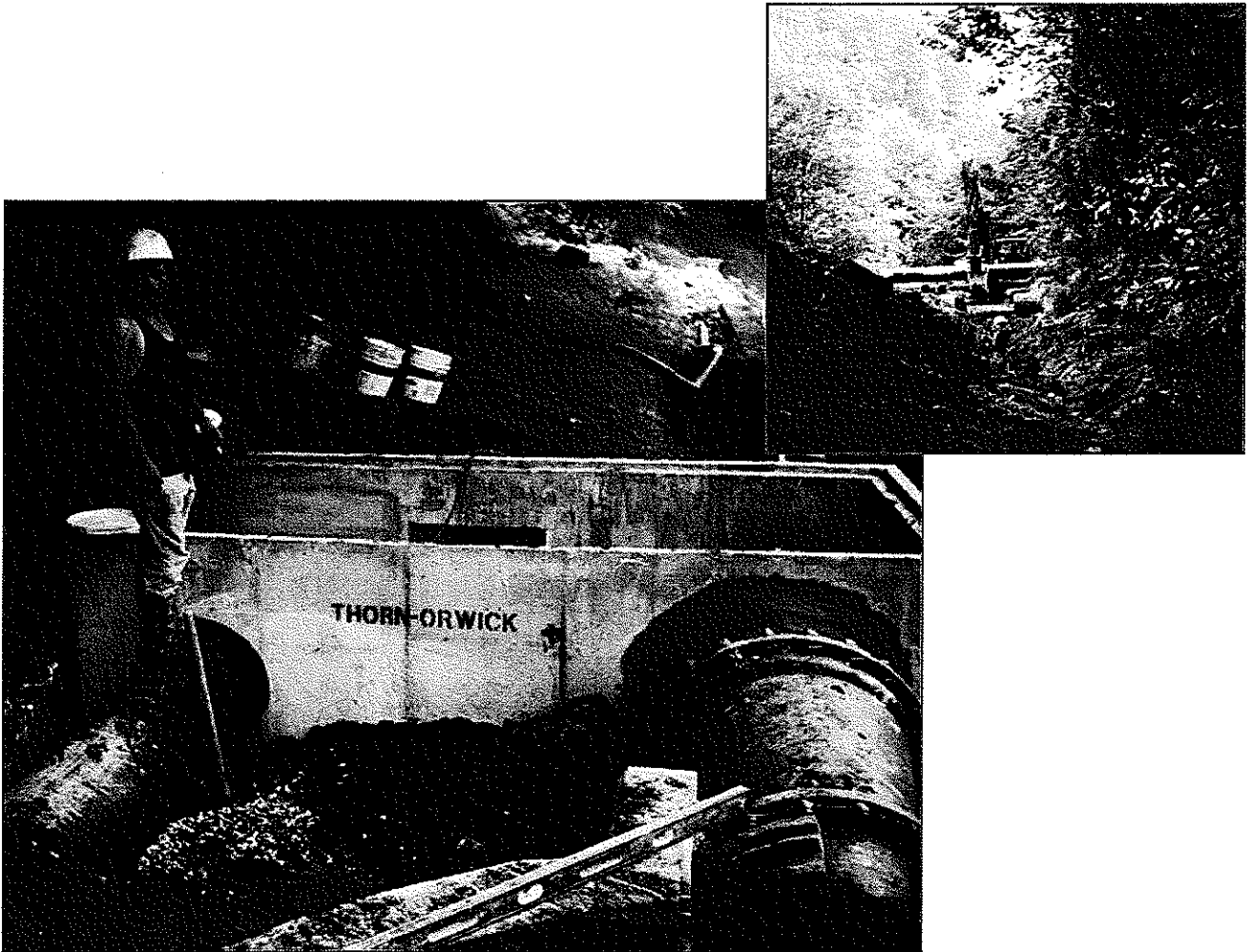
Town of Beverly
Post Office Drawer 279
Beverly, West Virginia 26253

Project included design and construction services for the extension of a sanitary sewer interceptor main to serve the United Parcel Service Facility and surrounding residential and commercial customers in the Hazelwood area. Project components consisted of 9,442 L.F. of 8" diameter PVC pipe, 1,523 L.F. of 6" diameter PVC pipe, service laterals, creek crossings, manholes, and cleanouts. The project also included the renovation of Lift Station No. 4 to include submersible pumps, radio telemetry, and a portable trailer mounted generator for secondary power



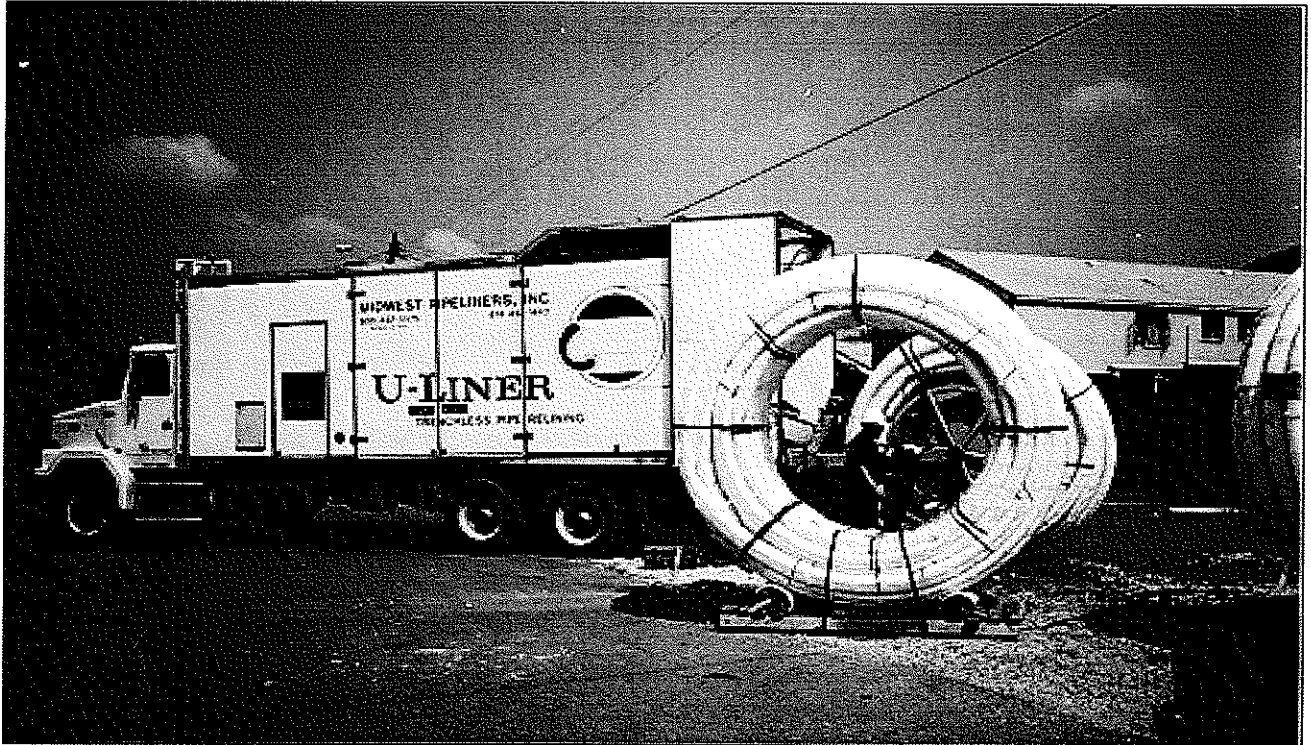
Town of Monongah
Post Office Box 9119
Monongah, West Virginia 26555

Construction was completed in June 2000 for the Town of Monongah's wastewater system improvements project. Chapman Technical Group was hired by the Town in 1995, and provided all planning, design, and construction phase engineering services for the project. The Town's system was originally constructed in the 1960's and consisted of a primary treatment facility, three lift stations, and approximately eight miles of sewer collection lines. The majority of the collection system was a combined system, and numerous bypasses and overflows occurred on a regular basis. The treatment facility was unable to meet secondary discharge limits, and the lift stations were in need of major repairs. Upon completion of the project, Monongah's sanitary sewer is being transported to the City of Fairmont for treatment and disposal via a new lift station and over two miles of forcemain, which parallels an area rails-to-trails park. Since the City of Fairmont is master metering all flow received from Monongah, it was of paramount importance that Monongah's collection system undergo rehabilitation in order to remove stormwater from their collection system. After extensive field investigations, including smoke and dye testing, the most critical problem areas were identified for rehabilitation and corrected. The nearly \$2.5 million project also included the replacement of the two remaining lift stations, including auxiliary power sources at the two major stations, as well as the renovation of Fairmont's existing lift station, which directly accepts the flow from Monongah.



City of Beckley Sanitary Board
301 South Heber Street
Beckley, West Virginia 25801

Chapman Technical Group provided all design and construction phase services for the removal and replacement of nearly one mile of an existing sanitary sewer interceptor located along a narrow bench and parallel to a 16" DIP force main for approximately two-thirds the length of the project. The interceptor transports wastewater to the Whitestick Pump Station. Construction included removal and replacement of 5,180 L.F. of existing 10", 12", 15" and 18" interceptor with 18" PVC and DIP gravity sewer; installation of 32 manholes; 18" Palmer-Bowles flume, and headworks junction box to connect the new 18" interceptor and existing 24" interceptor prior to the influent channel; abandonment of existing sanitary sewer pipe; and reconnections of existing sewers.



City of Chesapeake
12404 MacCorkle Avenue
Chesapeake, West Virginia 25315

Provided Phases I and II Sanitary Sewer Evaluation Surveys (SSES), including smoke testing, dye testing, flow monitoring, internal video inspection and design and construction observation services for recommended rehabilitation within the existing wastewater collection system. Also included the renovation of five existing wastewater pumping stations, installation of storm sewer lines to separate combined sewers, and re-mapping of the entire existing sanitary sewer system. Entire project was funded by a HUD Small Cities Block Grant from the West Virginia Development Office. As the project cost came in well below the construction budget, Chapman Technical Group was authorized to prepare construction documents for the subsequent renovation of City Hall to provide a handicap accessible restroom for ADA compliance

Wastewater Facility Plans and Updates



St. Albans Wastewater System Improvements

87016

St. Albans Municipal Utility Commission
1499 MacCorkle Avenue, West
St. Albans, West Virginia 25177

As the engineer for the City of St. Albans Municipal Utility Commission, Chapman Technical Group was given the overall responsibility for preparation of facility plan updates for the City of St. Albans, Fairview Public Service District, Marlaing PSD, and Arborland Acres PSD. The project included alternatives for providing adequate treatment to the wastewater flow from the three PSD's as well as improvements to the existing St. Albans WWTP. Also, infiltration / inflow analyses were conducted for all four entities with recommendations for cost-effective rehabilitation, and expansion of service to an additional 700 customers was evaluated. The facility plan resulted in the \$9.75 million Greater St. Albans Regional Wastewater Project.

Poca Wastewater System Improvements

87007

Town of Poca
Post Office Box 586
Poca, West Virginia 25159

Updated the 1987 Facility Plan for the Town of Poca to determine the most cost-effective method of compliance for seven existing package wastewater treatment plants along Pocatalico River serving approximately 250 customers. Alternatives included 1) upgrading the existing facilities, and 2) eliminating the existing facilities and transporting the wastewater flow to the existing Town of Poca Wastewater Treatment Plant. Infiltration / inflow analyses were conducted on all existing collection systems, including the Town of Poca's, and a cost-effective rehabilitation program was recommended for each system. The recommended alternative included a \$2.37 million project to connect to the Town of Poca's existing system, along with the necessary renovation and rehabilitation of the existing systems.

Project Team



West Virginia Division of Natural Resources

Robert G. Belcher, PE
Project Officer

Jeffery D. Ekstrom, PE
Project Manager

Kennon T. Chambers, PE
Project Engineer

William B. Keaton, MA, PE
Project Engineer

Shelley D. Watkins, EI
Project Engineer

Brian G. Huffman
Project Engineer

Fred L. Brown
CADD Manager

John R. Farnham
CADD Technician

Lisa D. Acord
CADD Technician

Ashley N. Starcher
CADD Technician

Brian W. Lawrence, PS
Professional Land Surveyor

Arden L. Stull
Sr Construction Observer

Anthony C. Jackson
Construction Observer

Charles D. Cash
Construction Observer



ROBERT G. BELCHER, P.E.
**Senior Vice President, Engineering
and Project Officer**

EDUCATION

West Virginia Institute of Technology, BSCE, 1983

REGISTRATION

Civil Engineering, West Virginia, 1996
Civil Engineering, Ohio, 2006

**PROFESSIONAL
HISTORY**

January 1987 to Present: Chapman Technical Group
Senior Vice President and Project Officer

June 1984 to January 1987: Regional Intergovernmental Council
Planning and Development Council for West Virginia Region III - Metropolitan
Planning Organization for Charleston, WV, MSA.

24 years professional experience

**PROJECT
EXPERIENCE**

Water Systems: Design and project management for numerous water systems for both public and private water companies. Projects include new water treatment plants as large as 10 MGD, improvements to existing plants, water mains and distribution systems. Water storage projects include glass-lined steel tanks, welded high-strength steel tanks, and elevated pedestal tanks

Wastewater Systems: Design and project management for numerous wastewater systems throughout West Virginia. Projects include new tertiary wastewater treatment plants as large as 4.5 MGD, improvements to existing plants, small-flow treatment plants, extensive wastewater collection systems, and facility plan updates

Miscellaneous: Design and project management for large highway and bridge projects, airport improvements projects, large stormwater management projects, as well as potable water and wastewater system design for many site development projects throughout West Virginia.

AFFILIATIONS

Water Environment Association - WV Section
Contractor's Association of West Virginia - Associate Member
American Water Works Association - WV Section
WV Society of Professional Engineers
American Council of Engineering Companies - ACEC/WV
WVUIT Civil Engineering Advisory Board

AWARDS

George Warren Fuller Award, 2001



JEFFERY D. EKSTROM, P.E.
Manager, Environmental Engineering
and Project Manager

EDUCATION

West Virginia Institute of Technology, BSCE, 1990

REGISTRATION

Civil Engineering, West Virginia, 1996

**PROFESSIONAL
HISTORY**

April 1991 to Present: Chapman Technical Group
Manager, Environmental Engineering and Project Manager.

October 1990 to March 1991: City of Charleston, South Carolina
Civil Engineer

June 1990 to September 1990: Bechtel Savannah River Inc.
Civil Engineer for Reactor Restart Group.

18 years of professional experience

**PROJECT
EXPERIENCE**

Water Systems: Design and project management for numerous water systems for both public and private water companies. Projects include new water treatment plants as large as 10 MGD utilizing ultrafiltration membrane treatment technology, improvements to existing plants, water mains and distribution systems. Water storage projects include precast-prestressed concrete tanks, glass-lined steel tanks, welded high-strength steel tanks, and elevated pedestal tanks. Hydraulic analysis of water distribution/transmission systems utilizing water CAD by Haestad methods.

Wastewater Systems: Design and project management for numerous wastewater systems throughout West Virginia. Projects include new tertiary wastewater treatment plants as large as 4.5 MGD, improvements to existing plants, small-flow treatment plants, extensive wastewater collection systems, wastewater treatment facility and raceways for fish hatcheries, and facility plan updates.

Miscellaneous: Design and project management for large stormwater management projects, as well as potable water and wastewater system design for many site development projects throughout West Virginia.

AFFILIATIONS

Water Environment Federation (West Virginia)
American Water Works Association



KENNON T. CHAMBERS, P.E.
Civil Engineer

EDUCATION

West Virginia Institute of Technology, BSCE, 1998

REGISTRATION

Civil Engineering, West Virginia, 2003

**PROFESSIONAL
HISTORY**

October 2007 to Present: Chapman Technical Group
Civil Engineer, Environmental Engineering Department.

March 2007 to October 2007: National Radio Astronomy Observatory
Facilities Engineer

February 2002 to February 2007: Chapman Technical Group
Civil Engineer, Environmental Engineering Department.

July 1998 to February 2002: Taylor and Striegel, Inc.
Project Engineer for underground utility construction company in West Virginia.

Summers 1994 to 1996: West Virginia Division of Highways
Co-op Engineer - Materials Control, Soils and Testing Division.

10 years professional experience.

**PROJECT
EXPERIENCE**

Water Systems: Design, construction and construction administration/management of various public and private water system projects including line work, river crossings, and booster stations throughout West Virginia.

Wastewater Systems: Design, construction and construction administration/management of various public and private wastewater system projects throughout West Virginia.

AFFILIATIONS

Water Environment Association
American Water Works Association
West Virginia Rural Water Association

MISCELLANEOUS

Class A Commercial Drivers License with Hazardous Materials Endorsement
PADI Certified Scuba Diver



WILLIAM B. KEATON, M.A., P.E.
Manager, Civil Engineering/Project Manager

EDUCATION

West Virginia Institute of Technology, BA, 1987
Webster University, MA, 1992
West Virginia Institute of Technology, BSCE, 1993

REGISTRATION

Civil Engineering, West Virginia, 1999

PROFESSIONAL HISTORY

March 2007 to Present: Chapman Technical Group
Project Manager/Senior Engineer

December 2005 to March 2007 and January 1997 to April 2000:
HNTB Corporation.
Section Leader, Senior Engineer, Business Manager.

May 2001 to September 2005: Buchart-Horn, Inc.
Regional Manager

April 2000 to May 2001: Environmental Design Group
Section Leader, Project Manager, Senior Engineer.

June 1993 to January 1999: Kelley, Gidley, Blair and Wolfe, Inc.
Project Manager, Project Engineer.

16 years professional experience

PROJECT EXPERIENCE

Water Systems: Design and project management for numerous water systems for both public and private water companies. Projects include new water treatment plants from 0.5 MGD to 2.5 MGD, improvements to existing plants, water mains and distribution systems, and water system modeling. Water storage systems have included bolted glass-lined tanks, concrete storage tanks, welded steel tanks and elevated tanks.

Wastewater Systems: Design and project management for numerous wastewater systems throughout WV and Ohio. Projects include SBR plants to serve large industry, conventional secondary treatment plants, anaerobic digesters, packaged treatment plant operation and maintenance, wastewater treatment plant lagoons, upgrades to head-works structures, pump station rehabilitation, Long Term Control Plan preparation, facility plan updates and SSES plans.

Stormwater Systems: Design and project a management on NPDES permit application, SWPPP preparation, SWM preparation, stormwater utility development and management. Projects include stormwater management detention/retention pond design, stormwater conveyance design, stormwater treatment options and erosion/sedimentation control options.

Miscellaneous: Project Manager on numerous large highway and bridge projects in WV and design of retaining wall projects consisting of soldier piles and MSE walls.

AFFILIATIONS

Water Environment Association - WV Section
Society of Military Engineers
American Water Works Association
National Society of Professional Engineers
West Virginia Society of Professional Engineers
American Council of Engineering Companies - ACEC/WV



SHELLEY D. WATKINS, E.I.
Civil Engineer

EDUCATION

West Virginia University Institute of Technology, BSCE, 2006

REGISTRATION

E.I., West Virginia, 2006

EXPERIENCE

December 2006 to Present: Chapman Technical Group
Civil Engineer

Summers (2003, 2005, 2006): WV Division of Highways (District 2) -
Environmental compliance, bridge design, bridge inspection, drainage design
and inspection.

1 year professional experience

**PROJECT
EXPERIENCE**

Water Systems: Design, construction, and construction administration/
management of various public and private water system projects including line
work, river crossings, treatment facilities, storage tanks, SCADA systems, and
booster stations throughout West Virginia. Troubleshoot problems in existing
systems. Evaluate proposed treatment systems. Distribution system modeling.

Wastewater Systems: Design, inspection, of various public and private
wastewater system projects throughout West Virginia. Smoke testing existing
collection systems, lift station design, infiltration/inflow analysis, and CSO
compliance.

AFFILIATIONS

American Society of Civil Engineers
American Water Works Association
Order of the Engineer



BRIAN G. HUFFMAN
Buckhannon Branch Office Manager
Project Manager

EDUCATION

West Virginia University, BSCE, 1974

**PROFESSIONAL
HISTORY**

September 1996 to Present: Chapman Technical Group
Buckhannon Office General Manager and Project Manager

October 1993 to July 1996: City of Buckhannon Water Board
Water Department Director

April 1991 to October 1993: Chapman Technical Group
Buckhannon Office Manager and Project Manager.

1986 to 1991: Kelley, Gidley, Blair & Wolfe, Inc.
Buckhannon Office Manager and Project Manager.

1983 to 1986: Erwin Industries
Civil Project Manager/Senior Design Engineer.

1979 to 1983: FMC Corporation divested to Erwin Industries, Inc.
Senior Design Engineer.

35 years of professional experience.

**PROJECT
EXPERIENCE**

Water/Wastewater Systems: Design and project management for numerous wastewater and potable water systems for both public and private utility companies.

Airports: Design and project management for a number of projects, including pavement rehabilitation, landslide repair, taxiway and apron construction, airfield drainage improvements, airfield lighting systems, SRE buildings, equipment purchases, perimeter fencing, and utility systems. Prepared airport Exhibit 'A's and assisted with DBE plans and updates in accordance with FAA requirements.

Miscellaneous: Design and project management for stormwater and sanitary sewer separation projects. City of Buckhannon Water Board Water Department Director and Buckhannon Upshur Airport Authority Member : Responsible for treatment plant and system operations and the development and implementation of a reservoir management and plant optimization program. Design and project management at a paper mill modernization project and numerous coal preparation plants and material handling systems.



FRED L. BROWN
CADD Manager

EDUCATION

Carver Career Center, Two Year Drafting/Cad Degree, 1997
Glennville State College, 20 Hours Toward Forestry Degree, 1988
Attended AUTOCAD14 Training Class Provided By Digital Graphics

PROFESSIONAL HISTORY

2002 to Present: Chapman Technical Group
CADD Manager.

1997 to 2002: Chapman Technical Group
Engineering Technician and CADD Designer

11 years professional experience.

PROJECT EXPERIENCE

Bridge and Highway: Responsible for CADD drafting on basemap, site development, construction plan sheets, signal plans, superelevation plans, existing and proposed utilities, utility relocation plans, lighting plans, boring construction plans, typical sections and details, mainline cross sections, bridge plans and details, attenuator details, guardrail plan layout and details, geometric plans, station and offsets of mainline center line, stationing and curve geometric information, survey reference and control plans, point dump creations.

Architectural/Structural: Responsible for CADD drafting on existing and proposed building plans, structural framing plans and details, foundation plans and details, structural scheduling.

Site Design: Responsible for CADD drafting on proposed site layouts, site details and cross sections.

Airport: Responsible for CADD drafting on existing and proposed taxiways and runways, taxiway signage, hangar layout, and airport master plans.

Mapping: Responsible for CADD drafting for city street and zoning maps.

Water and Wastewater: Responsible for CADD drafting on treatment plants, improvements on existing and new facilities, stormwater plans and profiles, booster stations, meter vaults, water system updates for both public and private sectors, PRV plans and details.

AFFILIATIONS

Member, National Vocational-Technical Honor Society (NV-THS)

ACHIEVEMENTS

First place winner in Carver Career Center VICA skills competition and represented Carver at the state VICA competition for technical drafting.

Judge in 2001 State VICA skills competition for technical drafting



JOHN R. FARNHAM
CADD Technician

EDUCATION

Center College, Two Year Drafting Degree
Ben Franklin Career Center, AutoCad Course, 1995

**PROFESSIONAL
HISTORY**

July 1996 to Present: Chapman Technical Group
Architectural Technician and CADD Designer.

1986 to 1995: Jerry Goff Architecture
Draftsman.

1976 to 1986: Gandee, Thomas & Sprouse - Architects
Draftsman.

1974 to 1976: Don Moses - Architecture
Draftsman

35 years professional experience.

**PROJECT
EXPERIENCE**

Bridge and Highway: Responsible for CADD drafting on right-of-way plans, maintenance of traffic plans, signing and marking plans, boring plans and boring cross sections, typical sections and details.

Water and Wastewater: Responsible for CADD drafting on treatment plants, improvements on existing and new facilities, stormwater plans, booster stations, meter vaults, water system updates for both public and private sectors, PRV plans and details.

Architectural/Structural: Responsible for CADD drafting on schedules, details, floor plan designs, framing plans and details, foundation plans and details, renovation of buildings, reflected ceiling plans, cross sections, building interior and exterior elevations, roof plans and details, plumbing plans and details, HVAC plans and details, and building code implementation.



LISA D. ACORD
CADD Technician

EDUCATION

West Virginia University Institute of Technology, BS, Industrial Technology, 1997
West Virginia Institute of Technology, AS, Drafting and Design Engineering Technology, 1995

PROFESSIONAL HISTORY

November 1998 to Present: Chapman Technical Group
Engineering Technician and CADD Designer.

January 1998 to November 1998: GAI Consultants, Inc.
CADD Designer

May 1997 to November 1997: Commercial Welding & Fabrication
Design Engineer

11 years professional experience

PROJECT EXPERIENCE

Bridge and Highway: Responsible for CADD drafting of design and preparation of construction plans and details for roadway and bridge work. Involvement includes final design drawings for bridges, signing, pavement marking plans, maintenance of traffic plans, lighting plans, right-of-way plans, geotechnical boring logs and cross-sections.

Site Design: Drafting for site layout and proposed grading, including site access and parking areas. Also, assisted in construction documents for lake dredging projects, including dredging scheme, disposal site design, and a sediment control plan for both the dredging operations and the disposal site. Performed several presubsidence surveys in conjunction with a deep mines operation.

Water and Wastewater: Responsible for drafting profiles, site layout and proposed grading, booster stations, PRV's, master meter vaults, septic systems, plant valve pit, chemical feed vault, raw water intake and details, and various miscellaneous water treatment plant details

Mining: Drafting for surface and deep mining permits, construction documents, and many detailed plans. Extensive research and drafting of property lines and ownership. Assisted with 100+ presubsidence surveys in West Virginia and Ohio.



ASHLEY N. STARCHER
CADD Technician

EDUCATION

Carver Career Center, Two Year Drafting/Cad Degree, 2007

**PROFESSIONAL
HISTORY**

February 2008 to Present: Chapman Technical Group
CADD Designer

2 years professional experience.

**PROJECT
EXPERIENCE**

Architectural/Structural: Responsible for CADD drafting on recreational and commercial floor plans, building cross sections and details, structural framing plans, foundation plans and details, and building renovations

Bridge and Highway: Responsible for CADD drafting of design and preparation of construction plans and details for roadway and bridge work. Involvement includes final design drawings for bridges, signing, pavement marking plans, maintenance of traffic plans, lighting plans, right-of-way plans, geotechnical boring logs and cross-sections.

Site Design: Drafting for site layout and proposed grading, including site access and parking areas.

Water and Wastewater: Responsible for drafting profiles, site layout and proposed grading, booster stations, PRV's, master meter vaults, septic systems, plant valve pit, chemical feed vault, raw water intake and details, and various miscellaneous water treatment plant details.



BRIAN W. LAWRENCE, P.S.
Professional Land Surveyor

EDUCATION

Glenville State College, AS, Land Surveying, 1995

REGISTRATION

Professional Surveyor, West Virginia, 2002, P.S No. 2056

**PROFESSIONAL
HISTORY**

August 2004 to Present: Chapman Technical Group
Professional Surveyor, Project Manager, Crew Chief, Draftsman

December 2003 to August 2004: Point Surveying & Mapping
Professional Surveyor/Project Manager.

December 1999 to November 2003: Terradon Corporation
Surveyor/Draftsman.

January 1996 to December 1999: Board Land Surveying
Project Manager/Surveyor/Draftsman.

May 1995 to December 1995: Smith Land Surveying
Crew Chief/Rodman.

13 years professional experience

**PROJECT
EXPERIENCE**

Site Development: Asbuilt/existing condition surveys and design surveys for numerous projects including water tank sites, cellular tower sites, water and sewer lines, subdivisions and commercial sites.

Highways: Provide preliminary site surveys of areas to be developed for highway construction. Set/layout points on the ground for the placement and/or construction of roadway surfaces, utility relocation, drainage structures, etc. Determine and set cut/fill stakes during the construction process.

Boundary: Numerous boundary surveys and ALTA/ACSM Land Title Surveys for commercial, residential clients on sites ranging from small lots to large commercial sites, and highway projects

AFFILIATIONS

14 Year Member of the West Virginia Society of Professional Surveyors



ARDEN L. STULL
Senior Construction Representative

EDUCATION

Morris Harvey College, Major-Psychology; Minor-Sociology, 1973
West Virginia University, Environmental Science/Technology, 1998

**PROFESSIONAL
HISTORY**

December 2001 to Present: Chapman Technical Group
Construction Representative.

July 1997 to December 2001: Charleston Sanitary Board
Compost Facility Superintendent.

January 1994 to July 1997: Woolpert, LLP
Chief Construction Observer.

June 1979 to December 1993: Kelley, Gidley, Blair & Wolfe, Inc.
Chief Inspector.

1990 to 1992: Dunn Engineers, Inc.
Chief Inspector

1977 to 1979: Milam/BCM Engineering, Inc.

1975 to 1977: Rude & Associates, Inc.

31 years professional experience.

**PROJECT
EXPERIENCE**

Responsible for supervision of construction observers, field engineering, coordination of subcontractors, assisted project engineer, attended client/owner meetings, and administration of several contracts simultaneously. Also construction record keeping, documentation of as-built quantities, line testing, observation of concrete testing, soil density testing, compiling "punch lists," final inspections, review shop drawings, review and approve periodic estimates and resolve customer complaints.



ANTHONY C. JACKSON
Construction Representative

EDUCATION

Carver Career and Technical Education Center, 2 Year Drafting Technology Degree, 1998

PROFESSIONAL HISTORY

June 1998 to Present: Chapman Technical Group
Construction Representative

May 1988 to August 1993: West Virginia Division of Highways
Highway Maintenance Foreman.

May 1985 to August 1988: Shook of West Virginia
Operating Engineer, Form Carpenter, Pipe Fitter, Lead Operator, Crew Leader.

May 1976 to May 1985: Valley Development
Operating Engineer, Bore Jack Foreman, Foreman, Pipe Fitter,

10 years professional experience.

PROJECT EXPERIENCE

Responsibilities include all aspects of field construction coordination and observation from commencement of construction through project start-up. Maintains field diaries and construction log books; monitors shop drawing approvals and fabrication schedules; observes field testing of completed work; verifies contractor's periodic payment requests; verifies completed site work for as-built drawings; attends construction progress meetings; and updates clients on project progress.

AWARDS

Member of VICA - Vocational Industrial Clubs of America
Member of the National Vocational Technical Honor Society
Carver Passport - Shows Excellence in Training Area

CERTIFICATIONS

NICET - Level 2



CHARLES DAVID CASH, JR.
Construction Representative

EDUCATION

South Charleston High School , 1983

Attended WV DOH Portland Cement Concrete Refresher Course, 1998

Attended WV DOH Hot-Mix Asphalt Refresher Course, 1998

Authorized Sample Collector for new water mains - WV Bureau of Public Health, 1997

PROFESSIONAL HISTORY

November 1992 to Present: Chapman Technical Group
Construction Representative.

June 1992 to October 1992: Business and Industrial Development Corporation (BIDCO).
Construction Representative.

August 1990 to May 1992: Dunn Engineers, Inc.
Construction Representative.

18 years of professional experience.

PROJECT EXPERIENCE

Responsibilities include all aspects of field construction and observation from commencement of construction through project start-up. Maintains field diaries and construction log books; monitors shop drawing approvals and fabrication schedules; observes field testing of completed work; verifies contractor's periodic payment requests; verifies completed site work for as-built drawings; attends construction progress meetings; and updates clients on project progress.

Ability to Meet Budgets & Deadlines



Representative Project Budgets

1. City of Beckley Sanitary Board - Pinecrest Sewer Line Replacement	
* Estimated Cost	\$517,550.00
* Actual Bid	\$435,922.00
* 15.77% Under Engineer's Estimate	
2. VA Medical Center, Huntington West Virginia Water Storage Tank Replacement and Water System Improvements	
* Estimated Cost	\$935,000.00
* Actual Bid	\$895,000.00
* 4.28% Under Engineer's Estimate	
3. Van Public Service District - West Fork Water System Improvements	
* Estimated Cost	\$1,433,251.00
* Actual Bid	\$1,389,105.00
* 3.08% Under Engineer's Estimate	
4. Greater St. Albans Regional Wastewater Project	
* Estimated Cost	\$3,900,000.00
* Actual Bid	\$3,838,180.58
* 1.59% Under Engineer's Estimate	
5. Huttonsville Correctional Center 150,000 GPD Wastewater Treatment Plant	
* Estimated Cost	\$1,290,000.00
* Actual Bid	\$1,249,360.00
* 3.15% Under Engineer's Estimate	

Representative Project Schedules

	Project Cost	Scheduled Completion	Actual Completion
1. Van PSD West Fork Water System Improvements	\$1,389,000	120 days	120 days
2. St. Albans 1.5 MG Steel Water Tank	\$335,000	90 days	30 days
3. Culloden PSD Water Storage Tank	\$250,000	90 days	30 days
4. Elkins Road PSD Water System Improvements	\$3,500,000	120 days	120 days
5. Greater St. Albans PSD Sewer System	\$3,838,000	270 days	180 days
6. Cabell County Commission T-Shirts International Water & Sewer Ext.	\$124,000	60 days	60 days
7. Clay - Roane PSD Water System Improvements, Varneytown Extension	\$274,000	120 days	45 days

References



1. Honorable Dick Callaway
Mayor

City of St. Albans
1488 MacCorkle Avenue
St. Albans, WV 25177
(304) 727-2971
2. Honorable Joe Drenning
Mayor

Town of Davis
Post Office Box 207
Davis, WV 26260
(304) 259-5302
3. Honorable Damron Bradshaw
Mayor

City of Chesapeake
12404 MacCorkle Avenue
Chesapeake, WV 25315
(304) 949-1496
4. Mr. Greg Fitzwater
Chairman

Clay County Public Service District
Post Office Box 550
Clay, WV 25043
(304) 587-7579
5. Honorable Jerry Teter
Mayor

Town of Harman
Post Office Box 125
Harman, WV 26270
(304) 227-4715

Technology Resources



To better serve the growing needs of the contemporary client, Chapman Technical Group has the following hardware and software selections available to its staff:

Hardware

- **Backbone**
 - St. Albans Local Area Network (LAN)
96 Node Category 5 Twisted Pair Ethernet
4 Hewlett Packard Gigabit Ethernet Managed Hubs
 - Buckhannon Local Area Network (LAN)
24 Node Category 5 Pair Ethernet
1 Hewlett Packard Gigabit Ethernet Hub
 - Martinsburg Local Area Network (LAN)
12 Node Category 5 Twisted Pair Ethernet
1 Hewlett Packard Gigabit Ethernet Hub
 - Corporate Wide Area Network (WAN)
T1/Frame Relay Digital Communications Link
3-1.1 Megabit SDSL Lines
- 2 Cisco 1750 Routers
2 Sonicwall firewalls
Voice over IP Telecommunications links between the St Albans and Buckhannon offices
- **Servers**
 - Sun Fire V-240 - UNIX based file server (St Albans)
 - Sun Ultra 10 - UNIX based file server (Buckhannon)
 - Sun SPARC Station 10 - UNIX based e-mail server (Corporate)
- **Peripherals**
 - 2 Oce' IDS 400 Digital Wide Format Printers
 - 2 Hewlett Packard Designjet Plotters
 - 5 Hewlett Packard Laserjet Printers
 - Summagraphics 36" x 48" Digitizer
- **Workstations and Personal Computers**
 - 20 Pentium Systems with a minimum 1 GB ram and 21" monitors
 - 26 Pentium Systems with a minimum 512 MB ram and 17" monitors
 - 4 Notebook Computers
- **Hardware Surveying**
 - GPS - Leica SR20 survey grade, single frequency units with onboard data collection
 - Topcon GTS-300 total station, 1 second accuracy/0.5 second display
 - Topcon AT-G3 auto level
 - Carlson Explorer II data collector
 - HP48GX calculator/data collector

Software

Office/Business Administration

- **Accounting**
 - Deltak Systems/Advantage v 9.1
 - CCH Electronic Tax Library
 - Microsoft Access 2003
- **Operating Systems**
 - Sun Solaris v 10
 - Microsoft Windows XP Professional
 - Microsoft Windows 2000
 - Samba 3.0.10 Network Operating System
- **Marketing**
 - Adobe In Design E53
 - Adobe Pagemaker v 7
 - Adobe Photoshop v 7
 - Adobe Acrobat v 7
 - Microsoft PowerPoint 2003
- **Spreadsheets/Word Processing**
 - Microsoft Office 2007
 - Microsoft Office 2000
- **Transportation Engineering**
 - PCAPAV - Concrete Thickness Design
 - Comp Air - Life-Cycle Cost Comparison for Airports
 - Airport - Thickness Design of Asphalt Pavements
 - FAA Airport Design - Geometric Design of Airports
 - FAA Pavement Design - Thickness Design of Rigid and Flexible Pavements for Airports
 - Airport - Concrete Thickness Design
 - Autodesk Civil 3D 2008
- **Environmental Engineering**
 - Haestad Methods WaterCAD with AutoCAD
 - Haestad Methods StormCAD v 4.1.1
 - Haestad Methods Flowmaster PE v 6.1
 - Haestad Methods Culvert Master v 2.0
 - Haestad Methods NWS - Dam Breach Wave Analysis
 - KYPIPE3 - 4,000 Pipe Version
 - Sigma Flow Analysis and Data Collection Equipment
 - Uni-flange - Pipe Thrust Restraint Design Program
 - CIPP Designer 2.0
- **Structural Engineering**
 - Enercalc Structural Engineering Library v 5.1
 - Merlin Dash - Straight Girder Bridge Design v 3.0
 - Leap - CONSPAN - AASHTO Standard & LRFD v 3.1.0
 - DESCUS I - Curved Girder Bridge Design v 3.1
 - DESCON - Design of Structural Steel Connections v 2.0
 - GL Sizer - AISC Glulam Member Design
 - American Institute of Architects Masterspec Specifications System
- **Site Design, Civil Engineering and Landscape Architecture**
 - Autodesk Civil 3D 2008
 - Autodesk Raster Design 2008
 - Carlson SurvCADD 2000
 - Carlson SurvCE V 1.64
- **Architectural**
 - AutoCAD Architecture 2008
 - Autodesk Rivit Building 9.1
 - American Institute of Architects Masterspec Specifications System
 - Herman Miller - CAD Symbol Libraries
 - Steelcase CAD Furniture Symbol Library
 - Anderson Window - CAD Symbol Library
 - Butler Manufacturing - CAD Details
- **CAD Production**
 - AutoCAD 2008
 - Bentley MicroStation J
- **Surveying Software**
 - Carlson SurvCE data collection software
 - SMI version 7 data collection software
 - GPS - Leica SR20 post-processing software

