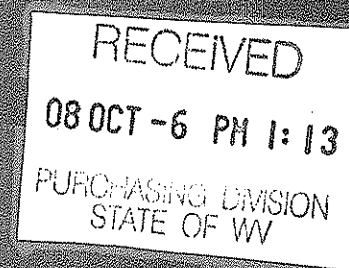


**EXPRESSION OF INTEREST  
COALDALE/BRAMWELL HILL  
WATERLINE DESIGN SERVICES  
#DEP14381**

***Submitted by:***

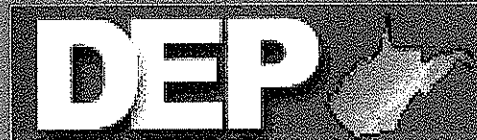


**SUMMIT ENGINEERING, INC.**



***Submitted to:***

**West Virginia  
Department of Environmental Protection  
Office of Abandoned Mine Lands**



## *Table of Contents*

DEP14381 Request for Quotation  
Purchasing Affidavit

### *Section I*

Executive Summary .....	1
General Statement of Qualifications .....	2
AML Water Project Experience .....	5
AML Groundwater Study Experience .....	6

### *Section II*

Project Discussion .....	7
Project Team .....	8
Team Chart .....	10

### *Section III*

Consultant Confidential Qualification Questionnaire .....	11
Related Project Experience Matrix .....	22

### *Section IV*

Project Team Resumes .....	25
----------------------------	----





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

## Request for Quotation

RFO NUMBER
DEP14381

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
CHUCK BOWMAN 304-558-2157

RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

ENVIRONMENTAL PROTECTION  
DEPARTMENT OF  
OFFICE OF AML&R  
601 57TH STREET SE  
CHARLESTON, WV  
25304 304-926-0499

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS		
09/04/2008						
BID OPENING DATE: 10/07/2008		BID OPENING TIME		01:30PM		
LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-94		
COALDALE/BRAMWELL HILL WATERLINE DESIGN SVC						
EXPRESSION OF INTEREST						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE COALDALE/BRAMWELL HILL WATERLINE EXTENSION PROJECT IN MERCER COUNTY, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT IS AUTOMATICALLY NULL AND VOID AND IS TERMINATED WITHOUT FURTHER ORDER.						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>James L. Amterbury</i>			TELEPHONE (304) 342-1342		DATE 10/7/08	
TITLE Vice President		FAX 61-0991104		ADDRESS CHANGES TO BE NOTED ABOVE		

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

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.

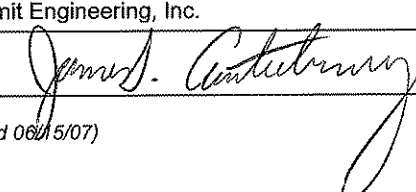
**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into 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](http://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: Summit Engineering, Inc.

Authorized Signature: 

Date: 10/07/2008



## *Executive Summary*

Summit Engineering, Inc. proposes to provide design and specification services, surveying and mapping, and any required laboratory or subsurface investigation, in support of the Department of Environmental Protection's (DEP) effort to reclaim lands and water affected by coal mining which occurred prior to the promulgation of the Surface Mining Control and Reclamation Act of 1977. We also propose to offer the service of construction contract document preparation and contract administration to these projects.

Summit Engineering, Inc. is a large, diverse mining and civil engineering firm with eight regional offices strategically located in the Appalachian Coalfields and in close proximity to the anticipated projects requested by the Department for the required scope of work. Our three West Virginia offices are located in Charleston, Chapmanville and Bridgeport, West Virginia. We have combined our individual talents and expertise to benefit many post mining projects in the region. As a mining *and* civil engineering firm, we have many corporate attributes that uniquely qualify our firm to provide services for abandoned mine lands projects in the state of West Virginia.

These attributes include:

- Strategically located offices in West Virginia coalfields (Charleston, Chapmanville and Bridgeport)
- Successful working relationship with West Virginia DEP
- Extensive experience in the design and administration of AML Waterline Projects
- Vast amount of existing data in areas of potential projects
- Experienced and available professional staff
- Award-winning post mining land use projects

Summit has designed, administered and inspected AML water projects of various scope and size for over twenty years. One of those projects, the Fedscreek/Mouthcard AML Water Supply Project, was one of the largest AML projects in the state of Kentucky and included over 42 miles of distribution lines and a 2 mgd water treatment plant. Our vast experience has afforded us the opportunity to uniquely understand the challenges that may be encountered when designing an AML project. We have developed an excellent working relationship with the Division of Abandoned Mine Lands in Kentucky and invite you to contact them in reference to our capabilities. The contact information is as follows:

Mr. Steve Hohmann  
Director, Division of Abandoned Mine Lands  
2521 Lawrenceburg Road  
Frankfort, KY 40601  
(502) 564-2141





# SUMMIT ENGINEERING, INC.

Summit Engineering, Inc.  
400 Allen Drive, Ste. 100  
Charleston, WV 25302  
(304) 342-1342

## Firm Highlights

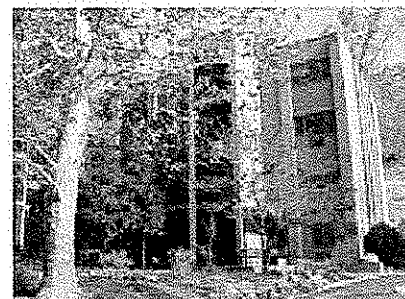
- Founded in 1977
- Over 30 years experience in engineering and architectural services
- Combined experience of more than 110 highly trained employees
- Professionals registered in multiple states:

<i>West Virginia</i>	<i>Indiana</i>
<i>Kentucky</i>	<i>Virginia</i>
<i>Tennessee</i>	<i>Ohio</i>
<i>Pennsylvania</i>	<i>Arkansas</i>

## Firm History

Summit Engineering Inc. is a consulting engineering firm offering civil, architectural, and mining services. Established in 1977, we currently have over 120 employees in eight (8) office locations in three states. These are:

- Charleston, WV
- Chapmanville, WV
- Bridgeport, WV
- Pikeville, KY
- Lexington, KY
- Hazard, KY
- Big Rock, VA
- Wise, VA



*Charleston, WV Office*

Summit's experience and expertise offers a wide range of civil & mining engineering, surveying, architecture and environmental assessment consultation and design services.

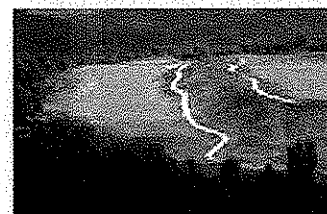
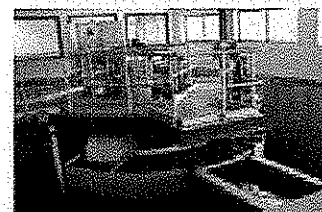
## Civil Engineering Services

For over 30 years, Summit's staff of experienced civil engineers has provided water treatment design services for several municipalities as well as water and sewer districts. It is Summit's mission to provide cost-effective solutions to meeting the infrastructure needs of our clients. Summit's services range from project design and management to bidding and construction administration. As municipal engineers for various communities and projects, Summit has worked extensively with local, state and federal regulations that may be encountered during project development.

Services provided by our Civil Engineering division include:

- Water supply systems
- Sanitary and storm sewer systems
- Utilities/Infrastructure Needs Studies
- Regional Facilities Planning
- Industrial & Commercial site development
- Sanitary landfills
- Urban planning
- Roadways and Bridges
- Residential communities

It is our goal to be a full-service provider for your project. Summit also provides additional services to our civil engineering clients, including project administration, construction inspection and funding assistance.



## Mining Engineering

Our firm has decades of combined experience in the mining and reclamation projects. Summit is proud to have accumulated an enormous amount of experience, which ensures our clients of high quality services at very competitive fees. Projects include:

- ✦ Plan Design
- ✦ Surveying and Mapping
- ✦ Hydrologic Investigation
- ✦ Geologic Investigation
- ✦ Permitting
- ✦ Environmental Monitoring and Testing
- ✦ Technical Report Preparation



Summit's most valuable asset is the experience of our staff. Our staff has over of 110 years of cumulative experience in the mining industry. The experience, knowledge, and skills of our staff enable us to assist with the planning and permitting needs of the coal industry in order to overcome the obstacles faced in today's market. Summit has also been instrumental in the development of unique post mining land uses. We have been involved in developing golf courses, residential subdivisions, commercial developments and recreational facilities on previously mined sites, thus illustrating our capacity to combine different disciplines of engineering for the benefit of industry, community, and the environment.



## Surveying

Summit Engineering's field staff offers more than 100 years of combined experience in both conventional and global positioning (GPS) survey methods. Our survey staff is comprised of six qualified field personnel who have accumulated an impressive depth of experience on jobs, both large and small, the majority of which are in challenging terrain. Our survey projects are held to the highest standards of accuracy by utilizing state of the art equipment, software and support vehicles.

Summit's experience has been gained on a wide array of survey projects including:

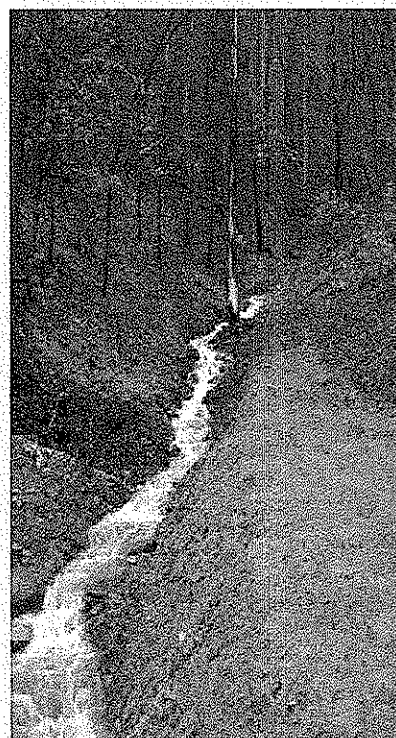
- ✦ Planimetric
- ✦ Reconnaissance
- ✦ Terrain
- ✦ Boundary
- ✦ Property and subdivision
- ✦ Roadway surveys
- ✦ Control surveys for aerial photography
- ✦ Cross-sections
- ✦ Construction staking
- ✦ Mine Surveys
- ✦ Underground
- ✦ Quarries
- ✦ Stockpiles
- ✦ GPS Capability
- ✦ ALTA Plat Standards



## Environmental

Summit has developed an in-depth understanding of environmental situations, investigations, and mitigation plans. Our staff of highly trained and experienced personnel enables Summit to provide quality, efficient results on projects ranging in size and sensitivity. Project owners have utilized Summit's services for both mining and civil engineering projects requiring:

- ↙ Environmental site assessments
- ↙ Water quality studies
- ↙ Reclamation liability studies
- ↙ Aquatic biologic surveys
- ↙ Stream and wetland mitigation
- ↙ Wetland delineation
- ↙ Corps of Engineers permits
- ↙ Toxic release inventory reporting
- ↙ Land reclamation cost analysis
- ↙ Stream benthic surveys
- ↙ KPDES permit applications
- ↙ Air quality permits and reporting
- ↙ Spill prevention control and countermeasures plans
- ↙ EPA underground injection permits





## ***AML Water Project Experience***

Over the past twenty years, Summit Engineering has gained a vast amount of experience in the design, administration and inspection of AML-funded water projects. This exhibits highlights Summit's experience with AML projects of varying scope and size.

■ **Fedscreek/Mouthcard AML Water Supply Project, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

This project materialized as a result of an AML groundwater study completed by Summit. The project included a 2.0 MGD treatment plant, a 1,000,000 gallon and a 300,000 gallon tank, a telemetry system and over 42 miles of water lines. Summit provided all services required for the study, design and construction administration of the project. The total cost of the project was approximately \$12,000,000.

■ **Freeburn Majestic Water Supply Project, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

Summit conducted a groundwater contamination study of the impacted area. The study resulted in funding for a \$3,000,000 project including lines, tanks, pump stations, and telemetry. Summit provided all design, bidding documents and construction supervision for the project.

■ **Brushy AML Project, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

Summit completed a groundwater contamination study of the impacted area. This study resulting in the funding of a \$1,200,000 project. Summit completed the study, design, inspection and construction administration services for the project.

■ **Elkhorn City/MWD Interconnect Project**

**Billy Powell, Mayor, City of Elkhorn City**  
(606) 754-5080

This project consisted of the design and construction of 18,955 linear feet of waterline. The completed project serves 42 households, but more importantly, the completed project will enable the City of Elkhorn City and the Mountain Water District to interconnect their water lines for emergency back-up capabilities.

■ **Shelby Valley AML Water Supply Project**

**Greg May, Chief Operating Officer**  
(606) 437-5114

This project consisted of the design and construction of approximately 26,000 linear feet of 4" ductile iron water mains. The completed project serves 82 households. The total cost of the project was approximately \$670,000.

■ **Ferrells Creek AML Water Supply Project**

**Greg May, Chief Operating Officer**  
(606) 437-5114

A result of an AML Groundwater Contamination Study completed by Summit, the Ferrells Creek AML Water Supply project provided potable water service to the residents of Road Creek, Jimmy's Creek, and Honey Fork in Pike County. The project installed approximately 5 ½ miles of new 6" and 4" water mains, two pump stations, one skid tank, and 105 meter sets. The total cost of the project was approximately \$1,150,000.



## *AML Groundwater Contamination/Feasibility Studies Project Experience*

Summit has completed Feasibility/Groundwater Contamination Studies for several Abandoned Mine Lands Projects. The following list highlights some of the studies completed by Summit:

▣ **Ridgeline AML Groundwater Contamination Study, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

Summit is in the process of conducting a groundwater contamination study for the Ridgeline area of Pike County funded by the Kentucky Division of Abandoned Mine Lands. The mine history and approximately 100 resident interviews have been conducted to date. The study will also involve water sampling and the production of a report on findings.

▣ **Feds Creek/Mouthcard AML Water Supply Project, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

Groundwater contamination studies for the project area were completed by Summit. The study resulted in AML funding for a water supply project including a 2.0 MGD treatment plant, a 1,000,000 gallon and a 300,000 gallon tank, a telemetry system and over 42 miles of water lines. Summit provided all services required for the study, design and construction administration of the project. The total cost of the project was approximately \$12,000,000. (See Project Profile - Page 9)

▣ **Elkhorn City AML Groundwater Contamination Study, Elkhorn City, Kentucky**

**Billy R. Powell, Mayor**  
(606) 754-5080

A groundwater contamination study was conducted for multiple areas in Elkhorn City, Kentucky. A total of 170 households were involved in the project. The study resulted in funding of an AML water line expansion to serve the impacted households. Summit provided all study and design services.

▣ **Pike County AML Short Line Extensions Study, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

A groundwater contamination of multiple areas in Pike County was awarded to Summit Engineering. The entire area is within the service area of Mountain Water District. The study resulted in funding of 12 miles of waterline extension. Summit also provided design and construction administration services for the extensions.

▣ **Chloe Creek Groundwater Contamination Study, Pikeville, Kentucky**

**Donovan Blackburn, City Manager**  
(606) 437-5104

Summit conducted a study of the Chloe Creek drainage basin (approximately 5 miles in length). The project resulted in funding of a water line extension project. The project provided water to 66 households. Summit provided all services required for the study, design and construction administration of the project.

▣ **Freeburn Majestic Water Supply Project, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

Summit conducted a groundwater contamination study of the impacted area. The study resulted in funding for a \$3,000,000 project including lines, tanks, pump stations, and telemetry. Summit provided all design, bidding documents and construction supervision for the project. (See Project Profile - Page 10)

▣ **Brushy AML Project, Pike County, Kentucky**

**Greg May, Chief Operating Officer**  
(606) 437-5114

Summit completed a groundwater contamination study of the impacted area. This study resulting in the funding of a \$1,200,000 project. Summit completed the study, design, inspection and construction administration services for the project.



## ***Project Discussion***

We have researched this project through various resources on the Department of Environmental Protection website, as well as downloaded Bluewell Public Service District's 2006 PSC Report. BPSD is a small-to-medium sized utility providing service to approximately 3,000 customers as of 2007. BPSD is both a water producer and water purchaser. BPSD treats water withdrawn from two supply reservoirs (Shupe #1 and #2). BPSD augments its water treatment with wholesale water purchases from Falls Mills. The distribution system includes approximately 42 miles of water mains. BPSD sold 131 million gallons of water to customers in 2007.

This project will provide new service to 58 customers in the Coaldale and Bramwell areas. The BPSD treatment and distribution system appears to have adequate water resources to support construction of this project.

Based on the project synopsis, it is our understanding that this project involves the design, mapping and construction administration of:

- 2,670 lf of 8" DI pipe
- 21,420 lf of 8" PVC pipe
- 10,065 lf of 6" or 2" PVC pipe
- One (1) booster pumping station
- One (1) 75,000 gallon water storage tank
- 58 service connections
- Fire Hydrants
- Meter Assemblies
- Miscellaneous Valves and Fittings

This project is located in Mercer County approximately an hour and a half from both our Charleston, WV and Big Rock, VA offices. Summit Engineering has adequate resources (over 120 employees) to commit the completion of this project. We are confident that we can complete this project within the specified time limits.



## Project Team

The key personnel of the project team are highlighted on our project team chart (following pages). The personnel assigned to the team have several decades of combined experience. The following paragraphs highlight the duties and experience of the key project team members. Supplemental information may be obtained from the resumes provided in the Appendix.

### ***Mr. James Canterbury, PE, LS – Principal-in-Charge***

Mr. Canterbury's primary responsibility is to oversee the operation of Summit Engineering's Charleston, West Virginia office. His duties also include obtaining and preparing coal-mining permits, US Army Corps of Engineers' permits, design of AML Projects, the design of water and sewer projects, invoicing, performing accounts receivable, assisting clients and working with regulatory agencies. He has worked with several governmental agencies in the state of West Virginia, particularly the Department for Environmental Protection. Projects for which Mr. Canterbury has served as principal-in-charge include:

- WV Division of Abandoned Mine Lands – Twin Branch Portals Design Project
- WV Division of Abandoned Mine Lands – Godby Branch Design Project
- Catenary Coal Company – Moccasin Hollow Deep Mine Article 3 and NPDES Permit Application
- Wildcat Coal Company US Army Corps of Engineers 404 Individual Permit and final Compensatory Mitigation Plan
- Evergreen Mining Company- O'Brien Fork No. 2 Surface Mine Article 3, 401 and NPDES permit applications
- Arch of West Virginia- Guyan Ridge 3A Surface Mine Article 3 and NPDES permit applications

### ***Mr. Kevin Howard, PE, LS – Project Manager***

Mr. Howard has 27 years of experience with Summit Engineering, providing civil engineering on water and wastewater-related projects in eastern Kentucky. He will serve as the Principal-In-Charge and be responsible for concept development and the project work plan. He will also act as liaison between the Owner and the funding and permitting agencies. A partial list of Mr. Howard's prior projects which are directly relevant includes:

- Johns Creek Water Supply Project, Pike County, KY
- Feds Creek Water Supply Project, Pike County, KY
- Elkhorn City Water and Sewer Improvements Project, Elkhorn City, KY
- City of Pikeville Water Treatment Plant Project, Pikeville, KY
- Salyersville Water Tank and Line Extension Project, Magoffin County, KY
- Bill Hall Branch Water Line Project, Floyd County, KY
- Beaver-Elkhorn Water Treatment System Improvements, Allen, KY
- Feds Creek AML Groundwater Contamination Study, Pike County, KY

### ***Mr. Jack Sykes, PE, LS - Quality Assurance/Quality Control***

Mr. Sykes is one of the founding partners of Summit Engineering, providing civil engineering on water and wastewater-related projects in eastern Kentucky for over 30 years. He will serve as quality assurance and quality control. A partial list of Mr. Sykes' relevant prior projects includes:

- City of Pikeville Wastewater Treatment System Project, Pikeville, KY
- Indian Hills Sewer Project – Pikeville, KY
- Sandy Valley Sewer Extension – Pikeville, KY
- Kentucky Avenue Utility Relocation Project – Pikeville, KY
- Thompson Road Waterline Extension – Pikeville, KY



## *Project Team*

### ***Mr. Jody G. Hunt, PE, Senior Project Engineer***

Mr. Hunt has accumulated a great deal of experience with utility extension projects in his six years with Summit. His ability to work with system personnel has helped other projects progress in a smooth and efficient manner. Jody's level of professionalism and attention to detail enhance his ability to listen to a client's needs and incorporate them into logical and feasible design elements. Some of his utility projects include:

- Ridgeline AML Groundwater Contamination Study – Pike County, KY
- Ferrells Creek AML Water Supply Project – Pike County, KY
- Shelby AML Water Supply Project – Pike County, KY
- Johns Creek Water Supply Project – Pike County, KY
- Big Sandy ADD Interconnector Study, Prestonsburg, KY
- Indian Hills Sewer Line Extension Project – Pikeville, KY
- Shelby Sewer Project – Pike County, KY
- Forest Hills Sewer Project – Pike County, KY
- Collins Sewer Project, Pike County, KY

### ***Mr. Steve Haywood, LS - Chief of Survey***

Mr. Haywood has 30 years of experience in land surveys including countless surveys in central and eastern Kentucky. His depth of experience and knowledge has allowed Summit to accumulate a wealth of information about the area. Steve's dedication to excellence makes him an invaluable asset to the team. Some of his similar project experience includes:

- Beaver Bottom Sewer Line Extension Project, Elkhorn City, KY
- South Williamson Sewer Line Extension Projects, South Williamson, KY
- Feds Creek Water Supply Project, Pike County, KY
- Johns Creek Water Supply Project, Pike County, KY
- Honey Branch Utilities Project, Martin County, KY
- Salyersville Water Tank, Salyersville, KY
- Salyersville City Annexation Map, Salyersville, KY

### ***Mr. Matt Elliott – GIS Information Specialist***

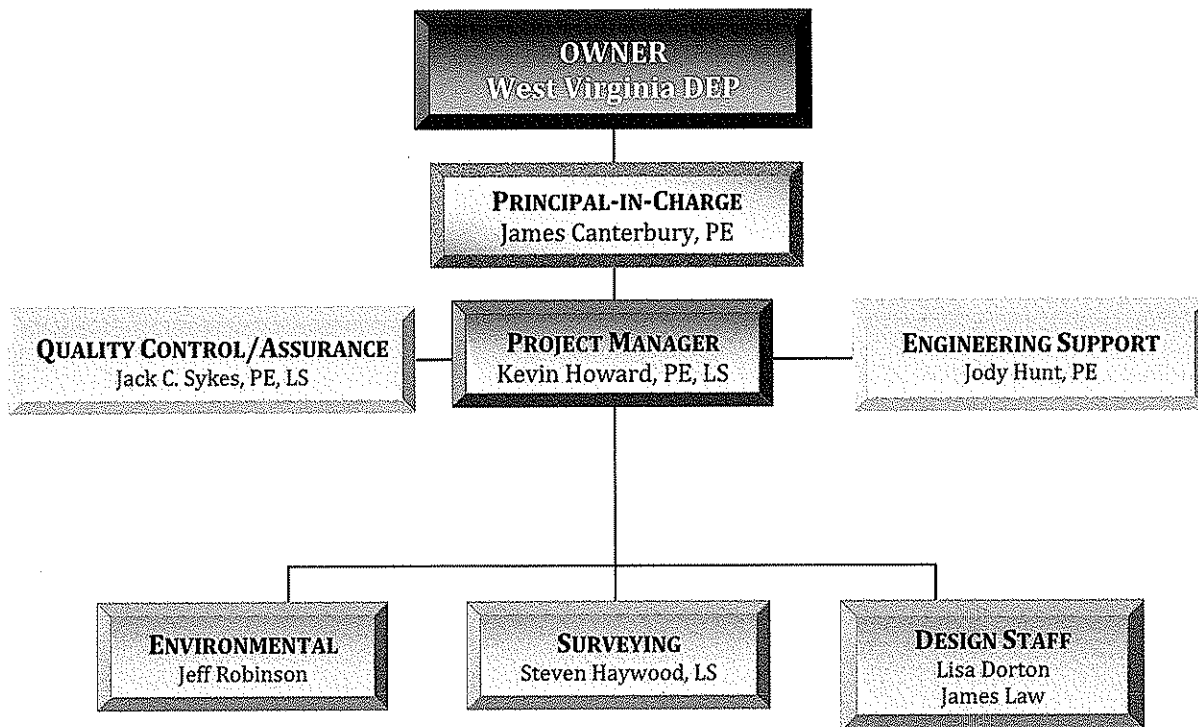
Mr. Elliott serves as the GIS information manager and provides the team coordination of exhibits for deliverables. Brief examples of his prior projects include:

- Mapping Assistance – Letcher County Airport Study
- Mapping Assistance – Letcher County Prison Planning Study
- Sewer System Evaluation Project – Whitesburg, Kentucky





# Team Chart



*Summit Engineering, Inc. employs over 120 people, all of which will be available to assist with this project should it become necessary. Personnel include CAD operators, engineers, environmental personnel, technical support and office*



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE				
PROJECT NAME #DEP14381 Coaldale/Bramwell Hill Waterline Design		DATE (DAY, MONTH, YEAR) 07 October 2008		FEIN 61-0991104
1. FIRM NAME Summit Engineering, Inc.	2. HOME OFFICE BUSINESS ADDRESS 400 Allen Drive, Suite 100 Charleston, WV 25302		3. FORMER FIRM NAME N/A	
4. HOME OFFICE TELEPHONE (304) 342-1342	5. ESTABLISHED(YEAR) 1977	6. TYPE OWNERSHIP Individual <input checked="" type="checkbox"/> Corporation Partnership <input type="checkbox"/> Joint-Venture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE  400 Allen Drive, Suite 100, Charleston, WV 25302/( 304) 342-1342/ James Canterbury, PE/10 Personnel				
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Jack C. Sykes, P.E., L.S. Phillip Lucas, P.E., L.S. Steve Tackett, PE David Rasnick, P.E., L.S. Kevin M. Howard, P.E., L.S. David Sanders, P.E., L.S. Tracy Goff, P.E. Mike Hill, P.E., L.S.I.T. James Canterbury, PE		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS J.D. Elkins, Office Manager (304) 855-5691 Byrd Copley, Office Manager (276) 530-7220		
9. PERSONNEL BY DISCIPLINE				
15. ADMINISTRATIVE 2. ARCHITECTS 3. BIOLOGIST 14. CADD OPERATORS 1. CHEMICAL ENGINEERS 11 CIVIL ENGINEERS 1. CONSTRUCTION INSPECTORS 5. DESIGNERS DRAFTSMEN	ECOLOGISTS ECONOMISTS ELECTRICAL ENGINEERS ENVIRONMENTALISTS ESTIMATORS 4. GEOLOGISTS HISTORIANS HYDROLOGISTS	LANDSCAPE ARCHITECTS MECHANICAL ENGINEERS 17. MINING ENGINEERS PHOTOGRAMMETRISTS PLANNERS- URBAN/REGIONAL SANITARY ENGINEERS SOILS ENGINEERS SPECIFICATION WRITERS	STRUCTURAL ENGINEERS 9. SURVEYORS TRAFFIC ENGINEERS 48. OTHER	121 TOTAL PERSONNEL
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>2</u> *RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.				
Not Applicable				
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				

## Questionnaire

[illegible]

12.

A. Is your firm experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

**YES** Description and Number of Projects:

Our services include mining permits, reclamation projects and AML water line projects through our civil, mining, surveying and environmental divisions. The number of projects is well over 100 due to our 29 years of service to the various industries, public and private clients we serve.

NO

B. Is your firm experienced in Soil Analysis?

**YES** Description and Number of Projects:

We perform routine services such as slope stability analyses and small retaining wall design. We utilize sub-consultants for exploration and detailed analysis such as consolidation, liquefaction, etc. Number of Projects is well over 100 as we do soil analysis for many of our mining clients as well as for stream bank stabilization and environmental projects.

NO

C. Is your firm experienced in hydrology and hydraulics?

**YES** Description and Number of Projects:

Summit designs have primarily addressed the control, treatment, and diversion of surface and ground water. Summit has designed well over 100 projects involving hydrology and hydraulics.

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping?

**YES** Description and Number of Projects:

We develop contour maps by field survey for sites up to 50 acres. We utilize sub-consultants for mapping by aerial photogrammetry for sites larger than 50 acres. Number of projects is well over 100 as we do mapping for all mining and civil engineering and surveying clients.

NO

E. Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)

**YES** Description and Number of Projects:

Summit's civil engineering division has over 30 years of experience with domestic waterline design. The firm has over 20 years experience in designing AML waterline projects. Our services for these projects consist of groundwater contamination studies, design, construction administration and resident inspection of the construction activities.

NO

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?

**YES** Description and Number of Projects:

Summit Engineering has been doing mining permits for 30 years and has addressed acid mine drainage in each of those. As a firm we have only completed one project that directly mitigated acid mine drainage.

NO

# 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Init.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
James S. Canterbury, Partner/Office Manager	20	20	0

Brief Explanation of Responsibilities  
 Partner, Branch Office Manager  
 Mr. Canterbury's responsibilities include managing day-to-day activities of the office and staff. Responsibilities also include obtaining and assisting in the preparation of coal-mining permits, invoicing, performing accounts receivable, assisting clients, and working with regulatory agencies.

EDUCATION (Degree, Year, Specialization)  
 B.S. - (1975) Civil Engineering - West Virginia Institute of Technology  
 M.S. - (1979) Business Administration - Marshall University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
 REGISTRATION (Type, Year, State)  
 P.E.: WV (1977), KY (1979), PA (1998)

## 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)

NAME & TITLE (Last, First, Middle Init.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Kevin Howard, Vice President	20	20	27

Brief Explanation of Responsibilities  
 Kevin Howard joined Summit Engineering in 1981 and became a Principal Owner and Vice President of Civil Design in 1996. Mr. Howard has worked on numerous water treatment and distribution projects throughout his 24 years with Summit Engineering, Inc. His leadership during design and construction of complex projects was demonstrated with Russell Fork Treatment Plant and Intake Facility one of the Kentucky's largest AML projects.

EDUCATION (Degree, Year, Specialization)  
 University of Kentucky, M.S.  
 Civil Engineering 1982

University of Kentucky, B.S.  
 Civil Engineering 1979

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
 American Society of Civil Engineers  
 REGISTRATION (Type, Year, State)  
 P.E. (1992) WV, (1983) KY  
 L.S. (1985) KY



**13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)**

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Jack C. Sykes, P.E., L.S.	12	12	30
<p><b>Brief Explanation of Responsibilities</b>            Mr. Sykes has been a principal and President of Summit Engineering, Inc. since its establishment in October 1977. He has performed technical review and been in the position of responsible person in charge for many projects handled by the firm. Some of the projects Mr. Sykes has been associated with have included forecasts and feasibility studies, residential and commercial development, construction supervision, roadway design, design of water and wastewater handling and treatment facilities, control surveying and mapping, earth fill designs, mineral reserve evaluation, preparation of mine plans, design of coal handling facilities, mine permitting, mine land reclamation, land surveying, and golf course design.</p>			
<p><b>EDUCATION (Degree, Year, Specialization)</b>            B.S. (1973) Civil Engineering, University of Kentucky            M.S. (1975) Civil Engineering, University of Kentucky</p>			
<p><b>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</b>            Kentucky Society of Professional Engineers            National Society Professional Engineers            Institute of Transportation Engineers            Coal Operators and Associates</p>			
<p><b>REGISTRATION (Type, Year, State)</b>            P.E.: WV (1978), KY (1977), VA (1977), TN(1979),            IN (1985), OH (1986)            L.S.: WV (1995), KY (1980)</p>			
<p><b>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</b></p>			
NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE		
	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Jody G. Hunt	7	7	7
<p><b>Brief Explanation of Responsibilities</b>            Mr. Hunt is responsible for assisting with Summit's civil engineering related projects. Mr. Hunt's projects have included utility design, bank stabilization design, and excavation and fill design</p>			
<p><b>EDUCATION (Degree, Year, Specialization)</b>            B.S.- (2001)- Civil Engineering - University of Kentucky</p>			
<p><b>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</b>            American Society of Civil Engineers</p>			
<p><b>REGISTRATION (Type, Year, State)</b>            P.E.: KY (2007)</p>			

14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES

Computers

Dell Optiplex GX280 with Dell 19" fp monitor  
 Dell Optiplex GX620 with Dell 19" monitor  
 Dell Optiplex GX620 with HannG 19" fp monitor  
 Dell Optiplex GX620 with HannG 19" fp monitor  
 Dell Precision 490 Workstation with 1907 fp monitor  
 Dell Optiplex PC with HannG 19" fp monitor  
 Dell Precision 490 Workstation with 1907 fp monitor  
 Dell Optiplex 320 with e197 fp monitor  
 Gateway e-series pc with HannG 19" fp monitor  
 Dell Dimension 4100  
 Dell Dimension 4100

Printers / Peripherals

Canon Network/Workgroup Printer/Copier/Fax  
 HP LaserJet 4050N Network Printer  
 HP DeskJet 855 Cse Printer  
 HP DesignJet 1050C Network Plotter  
 CalComp Digitizer  
 HP Scanjet 4470 Scanner  
 HP LaserJet 2200 S Printer  
 HP LaserJet 1200 Printer  
 Xerox Phaser 3160 Color Network Printer

Engineering Software:

Reame 2004  
 Sedcad  
 Autodesk Map2007  
 Autodesk AutoCad 2007

**15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD (BE SURE TO LIST ALL WYDEP PROJECTS)**

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Shelby Sewer Project Phase III	Mountain Water District PO Box 3157 Pikeville, KY 41501	Design, Bidding, Construction Administration	\$2,000,000	Design 100% Construction 0%
Pond Creek Sewer Project	Mountain Water District PO Box 3157 Pikeville, KY 41501	Design, Bidding, Construction Administration	\$5,000,000	Design 5% Construction 0%
Eastern Sewer Project	Southern Water & Sewer Dist. PO Box 610 McDowell, KY 41501	Design, Bidding, Construction Administration	\$500,000	90%
Shelby AML Water Supply Project	Mountain Water District PO Box 3157 Pikeville, KY 41501	Design, Bidding, Construction Administration	\$1,050,000	100%
Ridgeline AML Groundwater Contamination Study	Mountain Water District PO Box 3157 Pikeville, KY 41501	Design, Bidding, Construction Administration	Study only	100%
Whitesburg Wastewater Treatment Plant	City of Whitesburg Main Street Whitesburg, KY	Design, Bidding, Construction Administration, Construction Inspection	\$5,000,000	50%
Ferrells Creek AML Water Project	Mountain Water District PO Box 3157 Pikeville, KY 41501	Design, Bidding, Construction Administration	\$1,150,000	100%
TOTAL NUMBER OF PROJECTS:		TOTAL ESTIMATED CONSTRUCTION COSTS:		
7 (this page)		\$ 14,150,000		



17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD					CONSTRUCTED (YES OR NO)
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR		
Elkhorn City Multi-site Groundwater Contamination Study Elkhorn City, KY	City of Elkhorn City P.O. Box 681 Elkhorn City, KY 41522	\$740,000	2004	Yes	
Fedscreek Mouthcard AML Water Supply Project Pike County, KY	Mountain Water District PO Box 3157 Pikeville, KY 41501	\$11,633,000	2005	Yes	
AML Shortline Extensions Water Line Extension Project Pike County, KY	Mountain Water District PO Box 3157 Pikeville, KY 41501	\$1,400,000	2007	Yes	
Ages - Brookside Water Line Extension Harlan County, KY	Black Mountain Utilities 609 4 Mile Road Baxter, KY 40806	\$1,520,000	2005	Yes	
Wayland Sewer Project Floyd County, KY	Southern Water & Sewer P.O. Box 610 McDowell, KY	\$5,600,000	2007	Yes	
Shelby Valley Sewer Project Virgie, KY	Mountain Water District PO Box 3157 Pikeville, KY 41501	\$3,500,000	2003	Yes	
City of Pikeville Downtown Revitalization Project Pikeville, KY	City of Pikeville 118 College Street Pikeville, KY 41501	\$9,000,000	2005	Yes	
Pikeville Parking Garage Pikeville, KY	City of Pikeville 118 College Street Pikeville, KY 41501	\$6,000,000	2006	Yes	



17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD					
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)	
Indian Hills Sewer Line Extension Pike County, KY	Mountain Water District PO Box 3157 Pikeville, KY 41501	\$752,000	2005	Yes	
Little Shepherd's Trail Water Line Extension Project Harlan County, KY	Green Hills Water District P.O. Box 116 Bledsoe, KY 40810	\$1,500,000	2005	Yes	
City of Pikeville Housing Project Housing Renovation	City of Pikeville 118 College Street Pikeville, KY 41501	\$20,000,000	2004	Yes	
Salysersville - Magoffin County Sewer Project Line Extensions	City of Salysersville P.O. Box 640 Salysersville, KY	\$2,200,000	2007	No	
Honey Branch Industrial Park Road Phase II	Big Sandy Reg. Ind. Dev. Authority 110 Resource Court Prestonsburg, KY 41635	\$2,735,600	2004	No	
Johns Creek Water Supply Project	Mountain Water District P.O. Box 3157 Pikeville, KY 41501	\$3,750,000	2008	Yes	
Beaver Bottom Sewer Line Project	Elkhorn City P.O. Box 681 Elkhorn City 41522	\$618,000	2005	Yes	
Various Mining Projects	Various Clients	Ongoing	Ongoing	No	

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM WAS RESPONSIBLE)					
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
N/A					

19. Use this space to provide any additional information or description of resources supporting your firm's qualifications to perform work for the West Virginia Abandoned Mine Lands Program.

20. The foregoing is a statement of facts.

Signature: James J. Canterbury Title: Partner

Printed Name: James Canterbury, PE

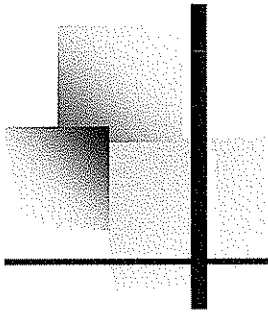
Date: 10/7/08

AML and RELATED PROJECT EXPERIENCE MATRIX																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
PROJECT	Exp. Basis C=Corp. P=Personal	Additional Info Provided In Section (s)	PROJECT EXPERIENCE REQUIREMENTS															PRIMARY STAFF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaft Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/Replacem ent	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Jack Sykes	James Canterbury	Kevin Howard	Jody Hunt																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
ELKHORN CITY GROUNDWATER STUDY	BOTH	Page 6																	M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

[illegible]

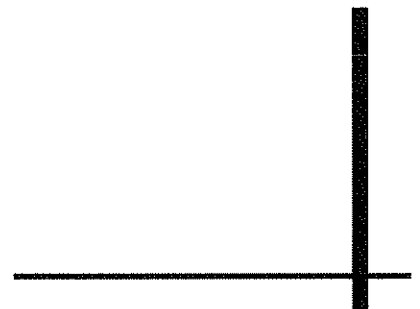
[illegible]





# *Project Team Resumes*

---





## SUMMIT ENGINEERING, INC.

*VICE PRESIDENT  
SENIOR DESIGN ENGINEER*

### EDUCATION

University of Kentucky, M.S.  
Civil Engineering 1982

University of Kentucky, B.S.  
Civil Engineering 1979

### REGISTRATION

Professional Engineer  
Kentucky / # 13515

Professional Engineer,  
West Virginia / #11499

Registered Land Surveyor  
Kentucky / #2798

### AFFILIATIONS

American Society of Civil Engineers

### PUBLICATIONS

Howard, Kevin M.  
& Meadows, Michael E.  
"A Comparison of Four Synthetic  
Unit Hydrograph Techniques,"  
Symposium on Surface Mining  
Hydrology, Sedimentology, and  
Reclamation, Lexington, Kentucky,  
December 1981

## KEVIN HOWARD, P.E., L.S.

### PROFESSIONAL EXPERIENCE

Kevin Howard joined Summit Engineering in 1981 and became a Principal Owner and Vice President of Civil Design in 1996. Mr. Howard has either been the project engineer or assisted the project engineer in a substantial way on projects that vary from ALTA Plats to wastewater treatment and collection systems, industrial site development, drainage projects and water treatment and distribution projects.

### PROJECT EXPERIENCE

Mr. Howard has worked on numerous water treatment and distribution projects throughout his 24 years with Summit Engineering, Inc. His leadership during design and construction of complex projects was demonstrated with Russell Fork Treatment Plant and Intake Facility one of the state's largest AML projects.

- Russell Fork Water Treatment Plant and Intake - Pike County, KY
- Feds Creek / Mouthcard Water Supply Project - Pike County, KY
- Pikeville Water Improvements Project - Pikeville, KY
- Beaver Elkhorn Water Treatment Plant Improvements - Allen, KY
- Water System Improvements Project - Pikeville, KY
- Freeburn Majestic (AML) Water Supply Project - Pike County, KY
- Cedar Creek Development, Phases III and IV - Pikeville, KY
- River Fill Waterline and Road Fork Tank No. 2 - Pikeville, KY
- Hydraulic Analysis - Pikeville, KY

Mr. Howard has had extensive experience with the design teams working on a variety of wastewater treatment and collection projects. He has fine-tuned his organizational skills while working on such notable projects as the following:

- Wayland WWTP and Line Extension - Floyd County, KY
- Salyersville/Magoffin County Sanitary Sewer Project; Salyersville, KY
- Five Phase Wastewater System - South Williamson, KY
- Pikeville Sewer Project - Pikeville, KY
- Shelby Sewer Project - Pike County, KY
- Thompson Road Sanitary Sewer Extension - Pikeville, KY
- South Mayo Trail Sanitary Sewer Extension and Lift Station Reconstruction - Pikeville, KY

Mr. Howard has worked on several site development projects including the ones listed here. Site development is a technical skill that requires design expertise and a creative vision for the future uses of the site.

- Pike County Regional Technology Center - Pikeville, KY
- Mossy Bottom Industrial Park - Pikeville, KY
- Lowes - Corbin, KY
- Davidson Industrial Site - Floyd County, KY
- Cancer Treatment Center - Pikeville, KY

Some of Mr. Howard's special studies and projects include:

- Feds Creek / Mouthcard (AML) Groundwater Contamination Study - Pike County, KY
- Fords Branch Contained Landfill - Pike County, KY
- The Study - Effects of Coal Mining on the Groundwater Resources of the Chloe Creek Drainage Basins - Pike County, KY



## **JACK C. SYKES, P.E., L.S.**

### **SUMMIT ENGINEERING, INC.**

#### **PRESIDENT**

#### **EDUCATION**

University of Kentucky, B.S. Civil  
Engineering - 1973

University of Kentucky, M.S. in Civil  
Engineering - 1975

#### **REGISTRATION**

Professional Engineer  
Kentucky / #10283

Professional Engineer,  
West Virginia / #7971

Professional Engineer  
Virginia / #0402 009834

Professional Engineer  
Ohio / #E-50047

Professional Engineer  
Tennessee / #13561

Professional Engineer  
Indiana / #60860057

Registered Land Surveyor  
Kentucky / #2313

Registered Land Surveyor  
West Virginia / #1369

#### **AFFILIATIONS**

2004 Vice President of ACEC-KY  
Kentucky Society of Professional Engineers  
National Society of Professional Engineers  
Coal Operator & Associates - Board of  
Directors  
Breaks Interstate Parks Commission - Co-  
Chairman  
Pikeville Historic Preservation Board -  
Chairman  
Pike County Golf Course Management  
Board - President

#### **PROFESSIONAL EXPERIENCE**

Mr. Sykes has been a principal and President of Summit Engineering, Inc. since its establishment in October 1977. He has performed technical review and been in the position of responsible person in charge for many projects handled by the firm.

- Some of the projects with which Mr. Sykes has been associated have included forecasts and feasibility studies, residential and commercial development, construction supervision, roadway design, design of water and wastewater handling and treatment facilities, control surveying and mapping, earth fill designs, mineral reserve evaluation, preparation of mine plans, design of coal handling facilities, mine permitting, mine land reclamation, land surveying, and golf course design.

#### **GENERAL RESPONSIBILITIES**

Mr. Sykes serves as a Principal-in-Charge for municipal engineering projects handled through Summit's corporate headquarters in Pikeville, KY. These services have included initial site investigations (geotechnical, mapping and project scoping), project design, preparation of specifications, cost estimations, construction inspection and /or management for various projects.

- Projects have included work for communities on recreational projects such as golf courses, work for the transportation department on highways and bridges, public utilities work for projects involving wastewater plants, industrial sites, water and wastewater lines, as well as landfills, fire stations and police stations.

#### **RECENT PROJECTS**

- City of Pikeville Comprehensive Plan
- Pikeville Transit Facility & Parking Garage Planning
- Potter Flats Bridge
- Harold's Branch Road
- Thompson Road South Mayo Sewer Extension
- KY 610 Relocation
- Carr Fork Road
- Elm Street
- Kentucky Avenue
- Bryan Avenue
- Huffman Avenue Widening
- Honey Branch Industrial Park Master Plan
- Gateway Industrial Park Master Plan
- Mossy Bottom Industrial Park Master Planning
- Mountain Top Baking Industrial Park Planning
- Raven Rock Golf Club
- Pikeville Wastewater Treatment Plant
- Pikeville Water Tank Construction
- Pike County Landfill
- Cedar Creek Subdivision
- Northmonte Subdivision
- Bowles Park Townhouses
- Pikeville Police Station
- Clear Creek Golf Club and Residential Subdivision
- StoneCrest Golf Club and Subdivision



**SUMMIT ENGINEERING, INC.**

**PROJECT MANAGER**

**EDUCATION**

University of Kentucky  
BS Civil Engineering  
2001

**REGISTRATION**

Professional Engineer  
Number #25374  
Registered in Kentucky

**AFFILIATIONS**

ASCE- American Society of  
Civil Engineers

**JODY G. HUNT, P.E.**

**PROFESSIONAL EXPERIENCE**

*Summit Engineering, Inc. Pikeville, KY (December 2001 – Present)*

*Sidney Coal Pike County, KY (1999-2001)*

Mr. Hunt is responsible for assisting with Summit's civil engineering related projects. Mr. Hunt's projects have included utility design, bank stabilization design, and excavation and fill design.

**GENERAL CIVIL PROJECTS**

Mr. Hunt has been project engineer or assisted the design team with the following projects:

- Shelby Valley Clinic Sewer line Extension. Shelby Valley, Kentucky - Responsible for layout, design, permits, plans and specifications for the sewer line extension.
- Indian Hills Sanitary Sewer – responsible for layout and design, combination of gravity and pressure system, two pump stations, approximately \$622,000 construction cost.
- Johns Creek Water Line Extension – responsible for potable water layout and design, two pump stations and two water storage tanks. Estimated total project cost \$3,750,000.
- Renaissance Area Utility Project Phase II – Pikeville, Kentucky - Prepared quantities of the underground conduit, the replacement of existing water, sewer, and gas lines. Total cost of this phase of the project \$3.2 million.
- Little Shepherd's Trail Water Line Extension – Harlan County, Kentucky - Assisted in the design, plans, permits, and specifications for the water line extension. Total estimated cost of phase I of the project \$445,806.
- Putney to Totz Water Line Extension – Harlan County, Kentucky - Assisted in the preparation of quantities and permits for the water line extension. Total estimated cost of the project is \$2,045,000.
- Coal Run Medical Plaza utilities extension – responsible for design of potable water and gravity sewer extension line extension estimated construction cost approximately \$40,000.
- Ages to Brookside Water line extension – assisted in design, KY Pipe runs and layout, one pump station and one water storage tank estimated approximate construction cost \$4,000,000.
- Gateway Industrial Park Heliport Utilities Extension – responsible for layout and design of water and gravity sewer extension. Estimated construction cost \$84,000.
- BJ Services utilities extension - responsible for layout and design of water and gravity sewer extension. Estimated construction cost \$35,000.
- Hibbard Street Gas Line Replacement, Pikeville, KY - Responsible for the layout, design, plans and specifications of the gas line replacement. Total cost of the project \$58,785.
- Quail Ridge/Jim Harris Project, Pikeville, KY - Responsible for design and calculations for excavation, fill, and retaining wall for placement of an existing structure.
- Blue Grass Station Bank Stabilization, Hazard Kentucky - Responsible for design, plans, specifications, and calculations for the excavation, fill and stabilization for the substation. Total estimated cost \$126,305.
- John's Creek Station Bank Stabilization - John's Creek, KY - Responsible for the design and layout of the gabion basket bank stabilization. Total estimated cost \$204,742.
- Cedar Creek Phase 6 Subdivision – responsible for lot layout, design for potable water, sanitary sewer, storm drainage, grading design, and roadway layout and design. Estimated construction cost \$570,000.



## ***JODY G. HUNT, P.E.***

### ***Page 2***

- Pike County Landfill Phase III and IV, Pike County, KY – Responsible for inspecting the daily construction activities ensuring that construction was conducted according to plans and specifications. Responsible for daily material quantities, and assisting in the preparation of contractor pay requests.
- South Williamson Sanitary Sewer Phase II, Pike County, KY – Responsible for inspecting the daily construction activities ensuring that construction was conducted according to plans and specifications. Responsible for keeping daily material quantities, and assisting in the preparation of contractor pay requests.
- St. Martha Drive Utilities Relocation, Pikeville, KY – Responsible for the layout and design for proposed utility relocation of water and gas lines, design calculations and KYPIPE Modeling. Responsible for obtaining Division of water Permits, preparation of the plan and detail sheets, specifications and contract documents. Total cost was approximately \$65,000.
- Big Sandy ADD Interconnector Study, Prestonsburg, KY – Responsible for preparation of proposals for the Water Districts interconnection of water lines throughout the five Big Sandy ADD counties. Responsible for calculations and KYPIPE modeling of approximately 19 proposed interconnections, determining the feasibility of each proposed interconnection and for doing the conceptual layout and cost estimates for each.
- Longfork and Jonancy Sanitary Sewer Extension, Pike County, KY – Responsible for the layout and design for proposed force main and lift station, design calculations, KYPIPE Modeling, obtaining Division of Water and Encroachment Permits, preparation of plan and detail sheets, and of specifications and contract documents. Total project cost is approximately \$1,500,000.



## STEPHEN E. HAYWOOD, LS

### SUMMIT ENGINEERING, INC.

#### SURVEYING MANAGER

#### EDUCATION

Prestonsburg High School

#### REGISTRATION

Land Surveyor  
Kentucky / #2661

#### PROFESSIONAL EXPERIENCE

Summit Engineering, Inc.  
Pikeville, Kentucky  
Oct. 1977 – Present

Elkhorn Coal Corporation  
(1976-1977)

Kentucky Department of  
Transportation (1973-1976)

#### CERTIFICATIONS

Density Testing

#### PROFESSIONAL EXPERIENCE

Mr. Haywood is responsible for all work assignments of the field crew personnel, note reductions of the surface surveys and mapping of all survey projects as well as the work assignments of the computer drafting personnel. With over 29 years experience with Summit, projects have included roadways, subdivisions, sanitary sewers, construction, and various deep mine and surface mine related projects.

Mr. Haywood has been with Summit Since its formation and has managed all survey projects performed to date.

#### PROJECTS

- South Williamson Sewer Project
- Little Shepherd's Trail Water Project
- Feds Creek / Mouthcard Water Supply Project
- Gateway Industrial Park
- Pikeville Downtown Revitalization Project
- StoneCrest Golf Course/Residential Development/Industrial Park
- Honey Branch Industrial Park
- Fishtrap Park Boundary
- Habitat for Humanity Subdivisions and Property related projects
- Pikeville Methodist Hospital, Expansion Project
- Pine Mountain Properties
- Pike County Regional Technology Center
- Floyd County Development - surveying and mapping the R & S Truck Body site at Ivel, Kentucky
- East Kentucky Exposition Center
- Breaks Interstate Park Mineral Boundary
- Appalachian Cellular Telephone. Survey and mapping for various cellular telephone tower sites.
- Pikeville Parking Garage
- Kentucky Division of A.M.L. – Various Projects
- Edgewater Subdivision
- Davidson Industrial Park
- Sidney Coal Corporation. Survey for the construction of the Coal Refuse Belts and for the Raw Coal Storage areas.
- Clintwood Elkhorn Mining. - Preparation plant and coal storage areas.
- Numerous Underground Surveys



## Summit Engineering, Inc.

### GIS SPECIALIST

### EDUCATION

Morehead State University  
BBA –  
Computer Information Systems  
*Graduated with honors*  
1996

### PROFESSIONAL CERTIFICATIONS

Microsoft Certified Systems  
Administrator

CompTIA Security+ Certified  
Professional

## W. MATTHEW ELLIOTT

Mr. Elliott joined Summit Engineering, Inc. in 2005 and brings to the company more than eight years of Geographic Information Systems experience.

### EXPERIENCE

2005 – Present      Summit Engineering, Inc.      Pikeville, KY

#### Project Manager:

- Knott County Adventure Trails Study
- Letcher County Airport Feasibility Study

#### GIS Specialist:

- Corps of Engineers - Dewey Lake gas well and line mapping project
- Dewey Lake Campground Relocation and Improvements – Concept Plan for Corps of Engineers
- Fishtap Lake Park Development Project
- Two housing development concepts
- Alternate sites for the prison at Gateway Business Park
- Assistance on environmental impact assessments
- Viewshed analysis for Corps of Engineers permits

1998 - 2005      Kentucky River Area Development District      Hazard, KY

#### Geographic Information Systems Specialist / Network Administrator

- Center Line Project for Letcher County
  - Drove entire county road system for Transportation Cabinet project

### GEOGRAPHIC INFORMATION SYSTEMS

- Use ArcInfo GIS software to manage, edit, query and display geographic data.
- Use ArcInfo and/or FreeHand to produce cartographic products as required.
- Supervise the work of the GIS/GPS technician and perform final quality and accuracy checks on all GIS data.
- Track time and expenses for GIS projects.
- Prepare reports to accompany data submitted to other agencies.
- Perform fieldwork as necessary to collect data.

### NETWORK ADMINISTRATION

- Installed and configured Netware 5 file and print server.
- Later installed and configured two servers running Windows Server 2003.
- Perform all administration for office LAN.
- Configure network security to allow employees to access shared resources while preventing unauthorized access to sensitive information.
- Resolve network connectivity problems.
- Perform systematic backups of important data.