



Land & Energy Development
Solutions from the ground up.

March 3, 2016

Tara Lyle
West Virginia Dept. of Administration, Purchasing Division
2019 Washington St. E
P.O. Box 50130
Charleston, WV 25305

RE: Expression of Interest for Flood Hazard Analysis Mapping

Ms. Lyle:

SLS Land & Energy Development (SLS) has provided professional surveying, design, and environmental services across the state of West Virginia since 1978. Working as a team, our staff exhibits technical, managerial, and administrative skills that are needed to be productive and cost efficient in all projects. These skills enhance our ability to better serve our clients and make SLS uniquely qualified to fill all the surveying and design requirements and needs, from planning, design, and permitting to the final phases of a project including as-built surveys and mapping. SLS provides a single stop for all of your needs.

SLS is centrally located in Glenville, West Virginia giving us timely access to every part of the state. Our state of the art office utilizes the most recent technologies and software in surveying and design to keep our clients on the cutting edge of the industry. Each employee has their own office allowing them to concentrate on the task at hand without disruption. We employ a variety of industry professionals including two (2) Licensed Professional Engineers, eight (8) Licensed Professional Surveyors, experienced design teams, CADD operators, full time ESRI GIS department, a dedicated environmental staff, and proficient administrators.

Professional development and continuing education are staples of SLS' business model as well as involvement in professional organizations and associations. Our senior staff is actively involved in the WV Society of Professional Surveyors and Regulatory and Licensing boards as well. SLS maintains regular correspondence with local and state government agencies in order to keep well informed of current regulations and specifications for the areas in which we work. Our longstanding association with government entities proves to be a valuable asset when navigating early project ideas to final completion.

03/04/16 10:39:21
WV Purchasing Division



slssurveys.com

History

Smith Land Surveying, Inc. (SLS) was founded in 1978 by Gregory A. Smith with one employee. Original services provided by SLS included boundary, construction, and oil & gas well location surveys. SLS experienced steady growth, gaining employees each year and in 1982, it expanded services to include design data surveys for architectural and engineering firms throughout West Virginia.

In 1986, SLS further diversified by forming an environmental service group providing oil & gas drilling pit waste disposal, independent lab support, water sampling, and erosion and sediment control plans.

A reclamation group was formed in 1988 to provide implementation of erosion and sediment control plans and NPDES permits on both commercial and oil & gas sites. Services such as seeding and mulching provided by the SLS team contributed to numerous reclamation awards for SLS clients.

Services again expanded in 1991 to include project management for developers of shopping centers and retail outlets. The SLS land department was created in 1996 to assist members of the oil & gas industry in identifying tract or parcel ownership and obtaining right-of-way and mineral leases. A demand grew for midstream services and SLS built out the land department to include pipeline route selection, acquisition, mapping/surveys, environmental and regulatory permitting assistance and a complete project management staff.

The mid-to-late 1990s saw SLS serving clients such as the West Virginia School Building Authority, the United States Bureau of Prisons, and the Natural Resources Conservation Service at the Hughes River Dam. From 1998 to present, SLS has primarily served existing clients in the oil, gas, and coal industries, the West Virginia Department of Transportation, and the West Virginia Department of Environmental Protection.

In response to industry demand, the most recent endeavor for Smith Land Surveying, Inc. is its recently purchased core drill and hiring of two drillers with over 45 years of combined experience as well as an experienced GeoTechnical Engineer with 30 years of experience. These additions allow us to provide in-house GeoTech evaluations, analysis, reports, and designs. In turn, SLS can provide high quality work in a much faster timeframe than prior to these additions. The core drilling services, in addition to GeoTech evaluations and design, aerial and Lidar mapping services, turnkey and design build services for well pads, water impoundment design and certification, and quality control management makes SLS prepared to tackle any job within expected timeframes and within budget.

Under Smith's leadership, SLS has been able to adapt and grow to meet the needs of its clients. The core of professionals at SLS has over 250 years of combined experience and is supported by a highly qualified group of technical staff. Over three decades of success and steady growth proves SLS and its variety of services is a trusted source for the energy and land development industries as well as private and government entities.



Capacity

SLS employs approximately 50 people. We have the capability to send out up to 10 separate field crews at any given time if a project requires it. SLS owns 10 completely equipped four-wheel drive vehicles as well as ATV's and UTV's. Our vehicle fleet and central location in the state of West Virginia allow us to access even the most remote sites in order to accomplish necessary tasks. Our safety record is also of great importance. We have logged 536,444 hours without time lost due to injury.

Summary

SLS' 37-year track record has proven that we have the ability and know how to accomplish even the most difficult of projects and maintain our client's needs. Our highly trained staff and state of the art equipment allow us to complete jobs on time and within required budgets.

Thank you for the opportunity to provide our qualifications and we look forward to the possibility of helping you meet your survey and design needs. If you have any questions please call our office, we look forward to hearing from you.

Respectfully submitted,

Gregory A. Smith, President



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PREVIOUS RELATED EXPERIENCE AND JOB HISTORY

Project Name/Location	Project Manager	Job Duties	Floodplain Determination/Mapping Performed	Completed Within Timeframe and Budget Requirements
Gilmer Co. Flood Insurance Study	Greg Smith	SLS was a sub-consultant performing field work and mapping.	Flood Insurance Study # 54021CV000A was issued for publication.	Yes
Alpine Lake Dam	Karen Krabill	Determine drainage area, route flows through spillways.	Downstream hazard classification	Yes
Keyser Dam	Karen Krabill	Determine drainage area, route flows through spillways.	Project Related	Yes
Cobun Creek Dam	Karen Krabill	Determine drainage area, route flows through spillways.	Downstream hazard classification	Yes
Davis & Douglas Highwalls (DEP)	Karen Krabill	Determine drainage areas for various streams, design drainage channels.	Project Related	Yes
Markwood Cedar Lake Dam	Karen Krabill	Determine drainage area, route flows through spillways.	Project Related	Yes
Kanes Creek South (DEP)	Karen Krabill	Determine drainage areas for various streams, design drainage channels.	Project Related	Yes
Village at Heritage Point	Karen Krabill	Determine drainage areas for for complex upstream area, route through one pond on path to site pond.	Project Related	Yes



sissurveys.com

C-Mine Culvert Crossing	Karen Krabill	Determine drainage area and compute flows for pre- and post- mining conditions.	Route both flows through culvert to determine flood potential.	Yes
Hamric Residence Flood Evaluation	Karen Krabill	Determine drainage area, route flows through creek	Floodplain mapping for residential insurance use.	Yes
Kittle Flats (WV DEP)	Karen Krabill	Determine drainage areas for various streams, design drainage channels.	Project Related	Yes
EQT OXF-157	Wes Wayne	Hydraulic and hydrologic study for temporary bridge and low water concrete ford on Bluestone Creek.	Project Related	Yes
EQT BIG-7	Wes Wayne	Hydraulic and hydrologic study for low water concrete ford on Fishing Creek.	Project Related	Yes
EQT PEN-16	Wes Wayne	Hydraulic and hydrologic study for bridge across Cabin Run.	Project Related	Yes
EQT WEU-51	Wes Wayne	Hydraulic and hydrologic study for low water concrete ford on Bluestone Creek.	Project Related	Yes
EQT BIG-57	Wes Wayne	Floodplain study on North Fork Fishing Creek.	Project Related	Yes
CNX Normantown Compressor Site	Chris Moyers	Hydraulic and hydrologic study on Left Fork of Steer Creek.	Project Related	Yes
ECA Fulton 184 Pad	Chris Moyers	Floodplain analysis on Stewart Creek.	Project Related	Yes



PDC Mountaineer Hudkins Dam	Chris Moyers	Dam breach study of an impoundment that lies within the Browns Creek watershed.	Project Related	Yes
Various Projects Throughout the State of WV	Greg Smith, Wes Wayne, Chris Moyers, Kip Hall, Karen Krabill	Elevation Certificates, LOMA, LOMR, Floodplain Permitting, Fill Calculations, Bridge Designs, Topographic Surveys, Aerial and LiDAR Mapping	Project Related	Yes

SLS included the projects listed above because of their direct relation to the scope of work expressed in the Flood Hazard Analysis Mapping EOI. We have worked on numerous projects of all types and sizes and have worked in every county of West Virginia as well as a variety of sites in the surrounding states. In addition to the above mentioned projects, previous job areas SLS has worked on include:

- Plan and Profile Surveys
- House Location Surveys
- As-Built Surveys
- Subdivision Plats
- Right of Way Plats
- Utility Easements
- FEMA Elevation Certificates
- Re-Monumentation
- Property Line Marking
- Pipeline Routing Surveys
- Pipeline As-Built Surveys
- ALTA/ACSM Land Title Surveys
- Boundary Surveys
- Construction Stakeout
- Kinematic and Static GPS
- Wetlands Location Surveys
- Photogrammetric Control
- Topographic Surveys
- E&S Control Stakeout
- Cadastral Mapping



- LOMA/LOMR Services
- Environmental & Regulatory Permitting
- Community Improvement Projects

If you would like any specific project information relating to any of these areas, please feel free to make a request and SLS will be happy to provide further information.

Attached to this document is an article on the county wide mapping project that Leslie Pierce was previously involved in with the state of Florida. In addition to this extensive project, the Hazard Mitigation Team performed a presentation at the 2004 ESRI National Convention. The following acknowledgement from the presentation lists Leslie as one of the contributing team members.

Acknowledgements

Great thanks are in order to the many team members that have kept this program going and finding ways to improve it as the twisting path has unfolded before us. The County's Eugene Henry, Allen Groover of Dewberry, LLC, Laura Algeo of FEMA-Region IV, and Annie Roina of the Flood Map Assistance Center (currently under Dewberry, LLC), have been of great assistance in their management and professionalism throughout the Map Modernization process. Their guidance, along with County staff, have helped to determine when to slow the process down for further review and when to consolidate items to get back on track. The County's Remap Technical team, consisting of Dr. Chin-Feng Ho, Dr. Junshan Su, Shields Clark III, Bob Keim, Leslie Pierce, and Andrea Iverson, has shown its expertise in handling the many externalities that have occurred and have kept the momentum going while the County continues to work together with FEMA to create a standard Map Modernization program that can be replicated throughout the rest of the nation. It should also be noted that the Stakeholder's Outreach Committee (comprised of citizens, engineers, insurance reps, realtors, county staff and other entities touched by floodplain management) has been very helpful thus far and will be another baseline for educating citizens and businesses engaged in Map Modernization."





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PROPOSED STAFFING PLAN FOR STATEWIDE FLOOD HAZARD ANALYSIS MAPPING

Main Point of Contact: Jason McVicker – Survey Manager; Jason will be the main point of contact for all statewide Flood Hazard Analysis Mapping. He will assign field crews to applicable work as necessary as well as direct the Engineer on current project scope and timelines. CADD and GIS technicians will also report to Jason for daily tasks and assignments as related to the Flood Hazard Analysis Mapping.

Hydrologic and Hydraulic Modeling: Karen Krabill – Professional Engineer; Karen will take the lead role in all computer modeling using the HEC-RAS software. Through coordination with the survey manager, Karen will utilize field data and mapping to ensure accuracy and timeliness in order to provide the required Flood Hazard Analysis Mapping.

Quality Assurance/Oversight: Leslie Pierce – Professional Surveyor, Quality Assurance; Les provides a unique perspective to the team oversight and quality control through his extensive experience with Hillsborough County, FL. Les has been a part of large scale map modernization teams through FEMA re-mapping projects and knows how to get the necessary tasks completed with a specific eye for quality data and a polished final product.

Surveying: Up to ten (10) available field crews with 8 Licensed Surveyors; Field crews will be sent out each morning to collect topographic and other related information to be utilized in the office for all Flood Hazard Analysis Mapping. Crews are equipped with 4-wheel drive vehicles along with ATV/UTV's and the latest surveying instruments to ensure the most accurate data available. All survey field crews will report to the survey manager and point of contact to ensure required tasks are met in a timely manner and necessary information is retrieved.

CADD/GIS Operators: Up to ten (10) available CADD/GIS operators; CADD/GIS operators utilize field information along with available data to ensure designs and drafting are accurate and on time. As experts in Carlson, ArcGIS, and HEC-RAS/Geo HEC-RAS, our mapping team can tackle even the most difficult drafting and design.

Environmental Hazard Mitigation: Adam Wilson – Sr. Environmental Specialist; Adam is a specialist in environmental and regulatory permitting as well as application and implementation of. Questions regarding floodplain hazards will be addressed through the use of available information and field data along with mitigation planning to reduce the environmental and social impacts of Flood Hazard Analysis Mapping. Adam uses action and planning to reduce loss of life and property, lessening the impact of disasters, often through environmental controls and policy.



Community Outreach: Sarah Smith – Executive Vice President; Sarah specializes in client and regulatory communication. Her past in managing client relations, business development, marketing and external communications for private and government agencies gives her the tools and know how to address current issues and concerns in a diplomatic and concise way. Sarah’s excellent written and verbal skills result in a knowledgeable target population and more informed decisions and reactions by those affected.

Administration: Deanna McVicker – Office Manager; Deanna has over 26 years of managing office personal and files, accounts oversight, and payroll. Her experience helps to keep the office running smoothly and bills and accounts to be accurate and up to date.

Partnerships: Greenway Engineering – We have worked successfully with Greenway Engineering on countless projects in the past creating a lasting and productive team. Work being completed outside of this office is not anticipated but in the event of a large volume of required mapping projects, Greenway is always at the ready in order to allow SLS to complete the required tasks on time and within budget guidelines.



CERTIFICATE OF

Authorization

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

SMITH LAND SURVEYING, INC.

C04162-00

Engineer in Responsible Charge: KIP R HALL - WV PE 015176

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2016 - December 31, 2017

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS



Certificate of Authorization

ISSUED TO:

Smith Land Surveying, Inc.
Glenville, West Virginia



Certificate of Authorization # 16-5405

This certificate is issued by the West Virginia Board of Professional Surveyors in accordance with West Virginia Code § 30-13A-20
The person or organization identified on this certificate is licensed to conduct professional surveying and mapping services
in the State of West Virginia for the period

January 1, 2016 through December 31, 2016

This certificate is not transferrable and must be displayed at the office location for which issued.

In witness whereof I have put my hand, this 6th day of January, 2016

Handwritten signature of Roy E. Shrewsbury, II.

ROY E. SHREWSBURY, II, Chairman
R. MICHAEL SHEPP, Member



Handwritten signature of Nelson B. Douglass.

NELSON B. DOUGLASS, Secretary
ANTHONY J. SPARACINO, Member

Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

IMPORTANT REMINDERS:

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. To use this license as a pocket card, please cut along the dotted line and laminate if desired.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.


West Virginia State Board of Registration for Professional Engineers

300 Capitol Street, Suite 910
Charleston, West Virginia 25301
304-558-3554 Phone
800-324-6170 Toll Free
www.wvpebd.org

THIS IS ONE FORM OF YOUR RENEWAL RECEIPT

PLEASE SAVE THIS FOR YOUR RECORDS

Date of Renewal: June 25, 2015
Amount Paid: \$40.00

 **West Virginia State Board of Registration
for Professional Engineers**

KAREN L. KRABILL
WV [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2016

KAREN L. KRABILL
[REDACTED]

WEST VIRGINIA UNIVERSITY



THE COLLEGE OF ENGINEERING
KNOW ALL PERSONS BY THESE PRESENTS
THAT THE WEST VIRGINIA BOARD OF REGENTS
UPON THE RECOMMENDATION OF THE FACULTY
HAS CONFERRED UPON

KAREN LYNN PAXTON

THE DEGREE OF
BACHELOR OF SCIENCE IN CIVIL ENGINEERING
CUM LAUDE

WITH ALL THE RIGHTS, HONORS AND PRIVILEGES THEREUNTO
APPERTAINING. WITNESS THE SEAL OF THE UNIVERSITY
AND THE SIGNATURES OF ITS DULY AUTHORIZED OFFICERS
HEREUNTO AFFIXED THIS TWENTY EIGHTH DAY OF
DECEMBER NINETEEN HUNDRED EIGHTY-FOUR

E. Brock Lee
PRESIDENT OF THE UNIVERSITY

John W. Ginn
PRESIDENT, WEST VIRGINIA BOARD OF REGENTS

James H. ...
DEAN OF THE COLLEGE

Leon B. ...
CHANCELLOR, WEST VIRGINIA BOARD OF REGENTS

2016

WEST VIRGINIA PROFESSIONAL SURVEYOR

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2016.

GREGORY ALLEN SMITH

License # [REDACTED] ISSUED: JANUARY 6, 2016

EXPIRES: JUNE 30, 2016

Board Members

- Roy E. Shrewsbury, II, PS
- Nelson B. Douglass, PS
- R. Michael Shepp, PS
- Anthony J. Sparacino, Jr.

Executive Director

Dennis D. Jarrell



[Signature]
Chairman

[Signature]
Secretary



2016



State of West Virginia
Board of Professional Surveyors

GREGORY ALLEN SMITH
WV LIC. # [REDACTED]

Issued:
Jan. 6, 2016
Expires:
June 30, 2016

is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2016

Continuing Education §23CSR2 2016 PDH Summary

Hours Carried Over	16
Hours Claimed	4
Applied to 2015-16	8
Approved For Carry-Over	8
Minimum Standards	2016
Professional Ethics	2016

West Virginia Board of Professional Surveyors

738 Airport Road
Sutton, WV 26601

Phone (304) 765-0315
Fax (304) 765-0316

Website: www.wvbps.wv.gov
Email: wvbps@wv.gov

2016

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JASON ASHLEY McVICKER

License [REDACTED]

ISSUED: JULY 1, 2015

EXPIRES: JUNE 30, 2016

Board Members

- Roy E. Shrewsbury, II, PS
- Nelson B. Douglass, PS
- Mark H. Hornish, PS
- R. Michael Shepp, PS
- Anthony J. Sparacino, Jr.

Executive Director

Dennis D. Jarrell



[Signature]
Chairman

[Signature]
Secretary



2016



State of West Virginia
Board of Professional Surveyors

JASON A. McVICKER

WV LIC. [REDACTED]

Issued:
July 1, 2015
Expires:
June 30, 2016

is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2016

Continuing Education §23CSR2 2016 PDH Summary

Hours Carried Over	0
Hours Claimed	8
Applied to 2015-16	8
Approved For Carry-Over	0
Minimum Standards	2015
Professional Ethics	2015

West Virginia Board of Professional Surveyors

738 Airport Road
Sutton, WV 26601

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2016

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EARL NATHANIEL THOMPSON

License [REDACTED]

ISSUED: JULY 1, 2015

EXPIRES: JUNE 30, 2016

Board Members

- Roy E. Shrewsbury, II, PS
- Nelson B. Douglass, PS
- Mark H. Hornish, PS
- R. Michael Shepp, PS
- Anthony J. Sparacino, Jr.

Executive Director

Dennis D. Jarrell



Chairman

Secretary



2016



State of West Virginia
Board of Professional Surveyors

EARL N. THOMPSON
WV Lic. [REDACTED]

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Continuing Education §23CSR2
2016 PDH Summary

Hours Carried Over	0
Hours Claimed	8
Applied to 2015-16	0
Approved For Carry-Over	8
Minimum Standards	
Professional Ethics	

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MATTHEW JOSEPH HILTON, JR.

License # [REDACTED]

ISSUED: JULY 1, 2015

EXPIRES: JUNE 30, 2016

Board Members

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Dennis D. Jarrell



[Handwritten Signature]

Chairman

Secretary



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State of West Virginia
Board of Professional Surveyors

MATTHEW J. HILTON, JR.
WV Lic. # [REDACTED]

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Continuing Education §23CSR2
2016 PDH Summary

Hours Carried Over	0
Hours Claimed	8
Applied to 2015-16	0
Approved For Carry-Over	8
Minimum Standards	
Professional Ethics	

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CHARLES VICTOR MOYERS

License [REDACTED]

ISSUED: JULY 1, 2015

EXPIRES: JUNE 30, 2016

Board Members

- Roy E. Shrewsbury, II, PS
- Nelson B. Douglass, PS
- Mark H. Hornish, PS
- R. Michael Shepp, PS
- Anthony J. Sparacino, Jr.

Executive Director

Dennis D. Jarrell



[Signature]
Chairman

[Signature]
Secretary



2016

State of West Virginia
Board of Professional Surveyors



CHARLES V. MOYERS
WV Lic. [REDACTED]

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July 1, 2015
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Continuing Education §23CSR2 2016 PDH Summary

Hours Carried Over	0
Hours Claimed	8
Applied to 2015-16	8
Approved For Carry-Over	0
Minimum Standards	2012
Professional Ethics	2012

West Virginia Board of Professional Surveyors

738 Airport Road
Sutton, WV 26601

Phone (304) 765-0315
Fax (304) 765-0316

Website: www.wvbps.wv.gov
Email: wvbps@wv.gov

Glenville State College



*Be it known that
The Board of Governors of Glenville State College,
upon recommendation of the President and Faculty has conferred upon*

Adam Dale Wilson

the degree of

Bachelor of Science

*With all the Honors, Rights, Privileges and responsibilities pertaining thereto,
Given under the seal of Glenville State College this
ninth day of May, two thousand and fifteen.*

John M. Cook

Vice President and Senior Vice President

Peter B. Barr

President

Russell H. Haffner

Chair, Board of Governors



*The Watershed Academy
Web-Based Training Program*

www.epa.gov/watertrain



Watershed Management Training Certificate

is awarded to

Adam D. Wilson

for successful completion of fifteen Web-based training modules on the fundamentals of watershed management.

Anne C. Weinberg

Anne C. Weinberg, Director, Watershed Academy



Richard Chinn Environmental Training, Inc.

certifies that

Adam Wilson

has successfully completed a

38 Hour Army Corps of Engineers Wetland Delineation Training Program

Issued Certificate No. 7652 and 3.8 CEUs from July 13 - 16, 2015 in Morgantown, West Virginia



Richard Chinn, PWS, CET

Richard Chinn Environmental Training, Inc.

804 Cottage Hill Way, Brandon, FL 33511-8098

1.800.427.0307 • FAX: 1.813.354.4659 • info@richardchinn.com • <http://www.richardchinn.com>

This training has been based in part on the U. S. Army Corps of Engineers Wetlands Delineation Manual Technical Report Y-87-1 (1987 manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program.





SLS Land & Energy Development
Professional Reference List

EQT Production Company
115 Professional Place
Bridgeport, WV 26330
Cecil Ray - 304-848-0076

Dominion Transmission, Inc.
500 Davisson Run Road
Clarksburg, WV 26301
Scott Hathaway - 304-627-3550

Citizens Bank
201 Main Ave.
Weston, WV 26452
Jeffrey Jenkins - 304-517-1040

Independent Oil & Gas Association
300 Summers Street, Suite 820
Charleston, WV 25301
Charlie Burd - 304-482-2619

Energy Corporation of America
501 56th Street
Charleston, WV 25304
Don Supcoe II - 304-925-6100

Hendrickson & Long, PLLC
P.O. Box 11070
Charleston, WV 25339
Dave Hendrickson, Esq. - 304-346-5500

Chase Bank
229 West Main St.
Clarksburg, WV 26301
April Hinkle - 304-624-3432

Lewis, Glasser, Casey & Rollins, PLLC
P.O. Box 1746
Charleston, WV 25326
Richard L. Gottlieb, Esq. - 304-345-2000

Mountaineer Keystone, LLC
1111 Van Voorhis Drive, Suite G
Morgantown, WV 26505
Jon Farmer - 304-241-4811

WV DEP - Office of Oil & Gas
601 57th Street SE
Charleston, WV 25304
Gene Smith - 304-926-0499 ext. 1652

United Bank
514 Market St.
Parkersburg, WV 26101
Stewart Powderly - 304-424-8729

Glenville State College
200 High St.
Glenville, WV 26351
Dr. Peter Barr - 304-462-4110



Certificate

*I, Natalie E. Tennant, Secretary of State of the
State of West Virginia, hereby certify that*

SMITH LAND SURVEYING, INC.

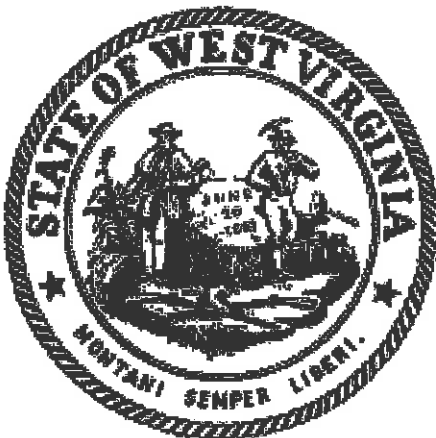
has filed a "Certificate of Registration of Trade Name" in my office according to the provisions of Chapter 47 of the West Virginia Code and was found to conform to law.

Therefore, I hereby issue this

CERTIFICATE OF REGISTRATION OF TRADE NAME

authorizing it to transact business in West Virginia under the assumed name of

SLS LAND & ENERGY DEVELOPMENT



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
November 2, 2015*

Natalie E. Tennant

Secretary of State

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**SMITH LAND SURVEYING INC
DBA SLS LAND & ENERGY DEVELOPMENT
12 VANHORN DR
GLENNVILLE, WV 26351-1333**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1039-7105

This certificate is issued on: 12/8/2015

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued
This certificate shall be permanent until cessation of the business for which the certificate of registration
was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new
certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of
this certificate displayed at every job site within West Virginia.



GREGORY A. SMITH

President

SMITH LAND SURVEYING, INC.

PROFILE:

Greg formed Smith Land Surveying Company in 1976. He operated the organization and controlled all phases of work undertaken by Smith Land Surveying Co., and Incorporated on April 1st, 1987. Work was originally concentrated in central West Virginia. In 1986, Smith Land Surveying, Inc. began working throughout the state as well as in neighboring states, providing Topographic Mapping, and Construction Services for Contractors, Developers & Design Related Professionals.

EDUCATION / SPECIAL TRAINING:

A.S. Degree in Land Surveying - Glenville State College - 1976
American Congress on Surveying & Mapping, Association of Photogrammetry & Photo Interpretation (1.3 units)
US Geological Survey National Mapping Center Resources & Information
Land Sat Image Interpretation at Purdue University
Bluefield State College Land Surveying Seminar (1.6 units)
Pennsylvania State University Computer & Business Courses (2.1 units 1986), Photogrammetry & Business (2.1 units 1985)
Soil Erosion & Sediment Control Plans (1986)
Spill Prevention Control & Countermeasure Plans
Computer Training at CLM Systems, Tampa, FL.
Auto Cad Training at Putnam County Training Center
Surface Mine Permitting & Regulations (1990) - WV Dept. of Energy
Geographic Information System (1990) - RDA Associates, Maryland
Design & Permitting for Water & Sewer Systems (1991) - WV Dept. of Health
Erosion & Sediment Control (1991) - WV Dept. of Natural Resources
Global Position System - Technical & Use (1991)
Wetlands Evaluation (1991) - EPA, US Army Corps, Fish & Wildlife, & WV DNR
Seminar on State Plane Coordinates & NGS High Precision Network - (1992)
Seminar on GIS Applications & Design Procedures - (1992)
Seminar on Surveying & Mapping Contracts and Procedures - WV DOT (1992)
Workshop on Sediment and Erosion Control - (1992)
Seminar on Boundary Mistakes and Professional Liability (1993)
Seminar on Record Research and Boundary Law (1993)
Seminar on Mine Surveying and Mapping (1993)
Seminar on Field Procedures and Establishing EDM Baselines (1993)
Seminar on Methods used to Bid U.S. Government Contracts (1994)
Seminar on Identification, Use, and Mapping of Utilities and their effect on Real Property (1994)
Seminar on Standards, Ethics, and Professional Courtesy (1995)
Seminar on Boundary Disputes, Conflicts of Evidence, and Unwritten Title Transfers (1995)
Seminar on Internet, Networking, and Windows 3.1 and 3.11 (1996)
Seminar on Understanding and Applying the Technical and Legal Aspects of Retracements (1996)

ABET Training Seminar (1997)
 Law Enforcement Program – National Standards Committee - NCEES (1997)
 Seminar on Uniform Procedures and Legislative Guidelines – National Standards Committee NCEES (1997)
 Lyme Disease Awareness – CCM Hospital (1998)
 FEMA Seminar on National Flood Insurance Program (1998)
 IRS Tax & Revenue Program for Employee Classification and Audit (1998)
 Seminar – Employee Motivation, Conflict Resolution, & Managing Stress (1998)
 National Geodetic System – Use and Standards (1998)
 Geodetic Control with GPS – NSG Program (1998)
 GIS for Surveyors – Concepts, Uses, Future Seminar (1999)
 GPS Advancements/ Applications for Mountainous Terrain (1999)
 Knud Hermanson – Boundary Litigation, the Surveyor & Court (2000)
 Professionalism & Ethics for the Professional Surveyor (2000)
 NGS – HARN Statewide Monument Densification Project (2000)
 Flood Plane Management/National Flood Insurance Program (2002)
 Influencing Public Policy to Meet the Needs of the Surveying Profession (2002)
 Boundary Law and Legal Aspects of Surveying (2002)
 Risk of Doing Business Liability & Regulatory Compliance (2003)
 Knud Hermanson – Minimum Standards for Boundary Surveys (2003)
 Charm School for Surveyors – Public & Client Relations (2004)
 WVSPS Floodplain Management (2006)
 Knud Hermanson – Minimum Standards & Ethics (2007)
 Surveyor's Use of Historical Maps (2007)
 NCEES Meeting – Expanding the Scope of Surveying Practice (2007)

AWARDS / RECOGNITION:

Eagle Scout – 1972
 Licensed Professional Surveyor #677 – May 1978
 Director for WVALS - 1984-1989
 1987 West Virginia Surveyor of the Year
 Legislative Chairman for State Surveyors Association - 1987-Present
 Exam Evaluation Committee for NCEE 1988-1989
 President Elect WVALS 1989 - President 1990-1991
 President's Award WVALS 1991
 Glenville State College Advisory Board – Land Surveying
 Glenville State College Advisory Board – Environmental Technology
 Featured in WV Community College Association's 1995 Success Stories
 Calhoun – Gilmer Career Center Advisory Board – CAD and Drafting Program
 1995 Service to Education Award – Gilmer County Board of Education
 Appointed by the Governor of the State of West Virginia to the West Virginia State Board of Examiners of Land Surveyors – 1996, 1999 & 2004 – Current Chairman
 State Delegate - NCEES 1997, 1998, 1999, 2000, 2003, 2005-2008
 First Place National Map Award for Subdivisions American Congress Surveying & Mapping-2002
 Third Place NSPS Plat Design Competition for Boundary & Cadastral Maps-2002
 Gilmer County Business of the Year-2003
 First Place Mapping Award from the American Congress on Surveying & Mapping-2006

PROFESSIONAL ORGANIZATIONS:

Director for WVALS (1984-1989)
 Legislative Chairman for State Surveyors Association (1987-present)
 Exam Evaluation Committee for NCEE (1988-1989)
 President Elect WVALS (1989 – President 1990 – 1991)
 Glenville State College Advisory Board – Land Surveying

Glenville State College Advisory Board – Environmental Technology
Glenville State College Advisory Board – Natural Resources Management
Glenville State College Advisory Board – Landman Program (2002 & 2006)
Calhoun-Gilmer Career Center Advisory Board – CAD and Drafting Program
West Virginia Association of Land Surveyors
American Congress on Surveying & Mapping
Pennsylvania Society of Land Surveyors
WV Independent Oil and Gas Association (IOGA)
National Society of Professional Surveyors
Gilmer County Industrial Development Association
WV Society of Architects – Affiliate Member
National Society of Wetland Scientists
WV Oil & Gas Association
Little Kanawha Parkway Authority
American Association of Petroleum Landmen
State Democratic Executive Committee
Democratic Co-Chair for Gilmer County (2006-Present)
Presenter for the WV Auditor's Office – Seminar on Recordation Laws (2006)
Member – Gilmer County Utility Board
Member, IOGA Board of Governors
Chairman, Glenville State College Board of Governors



Sarah A. Smith

Executive Vice President, Development & Communications

SMITH LAND SURVEYING, INC.

EXPERIENCE

**Executive Vice President, Development & Communications,
Smith Land Surveying, Inc. (June 2015-Present)**

Manage client relations, business development, marketing and external communications.

**Associate Vice President, West Virginia University
(Dec 2013 - June 2015)**

Executed vision of WVU by managing all state government and local relations efforts; developed external outreach strategy to advance mission and outreach goals of the university.

Director of Government & External Affairs, Alpha Natural Resources (Mar 2010 – Dec 2013)

Support the WV Business Unit's vision, strategy and goals as the lead manager responsible for overseeing the development and execution of all government and community affairs activities at the state and local level.

**Deputy Legislative Director, Office of Joe Manchin III
(Feb 2005 – Mar 2010)**

Act as liaison between the Legislative Branch and the Executive Branch of state government; perform education and outreach to members of the Legislature on Governor's agenda; consult and advise with stakeholders on potential or existing legislation; manage and oversee six-member legislative team during legislative session

EDUCATION

Master in Business Administration, University of Charleston, WV
(Aug 2009 – Dec 2010)

Juris Doctor, West Virginia College of Law
Morgantown, WV
(Aug 2001 – May 2004)

Study Abroad – Economics of Cuba, University of Havana
Havana, Cuba
(Spring 2003)

BA, History/Political Science, Glenville State College
Glenville, WV
(Aug 1998 – May 2001)

PROFILE

Exceptional communication skills; experienced governmental relations specialist and advocate; ability to adapt to a variety of situations; excellent organizational and interpersonal skills; vast knowledge of legislative process and inner-workings of state government; familiar with bill drafting and bill review; motivated – a self-starter; goal oriented; pays attention to detail; excellent problem solving skills; ability to meet deadlines; good work ethic; cooperative team player; conscientious; outstanding attendance record; advanced computer skills.

ORGANIZATIONS

- Board of Directors, West Virginia Chamber of Commerce
- Board of Directors, Leadership West Virginia
- Board of Directors, Vision Shared
- Member, Mingo County Redevelopment Authority



GREGORY RHODES

Vice President of Operations

SMITH LAND SURVEYING, INC.

REGISTRATIONS

ADSC Certified Drilled Shaft Inspector
FHWA Certified Drilled Shaft Inspector
WVDOH Aggregate Inspector, Certification [REDACTED]
WVDOH Concrete Inspector, Certification [REDACTED]
WVDOH Hot-Mix Asphalt Technician, Certification [REDACTED]
OSHA, 40 Hour Certification
NSI Welding Inspector Certification [REDACTED]
Fairmont State Level III Certification [REDACTED]

EDUCATION

High School Graduate (Spencer High School)
Fairmont State College – Engineer Technologist Associate Degree

EXPERIENCE

SLS Operation Manager/Vice President
Design-Build Rt. 2 Project, WVDOH District 6, Project Manager for Design Firm
Rt. 9 Upgrade Project, WVDOH District 5, Senior Engineering Tech. IV
Blennerhasset Bridge Project, WVDOH District 3, Senior Engineering Tech. IV
Rt. 14 Relocation, WVDOH District 3, Senior Engineering Tech. IV
King Street Overpass, WVDOH District 5, Senior Engineering Tech. IV
Buffalo Creek Bridge Project, WVDOH District 2, Engineering Tech. III
Robey Road Bridge Project, WVDOH District 2, Engineering Tech. III

REFERENCES/EMPLOYERS

SLS, 12 Van Horn Drive, P.O. Box 150, Glenville, WV 26351 (6/11 to present)
RK&KI, Grand Central Park, Suite 2040, Keyser, WV (1/09 to 6/11)
Micheal Baker, 5088 West Washington St., Charleston, WV (4/08 to 1/09)
HNTB Corp., 30 Smithtown Rd., Suite 15, Morgantown, WV (4/05 to 4/08)
Wilber Smith & Associates, Geary Plaza, Suite 210, 700 Washington St., Charleston, WV (1/03 to 4/05)
Greenhorne & O'Mara, 111 Elkins St., Fairmont, WV (12/99 to 1/03)
Corman Construction, 12001 Guildford Rd., Annapolis Junction, MD (6/97 to 12/99)
Cianbro Corp., 1 Hunnewell Sq., P.O. Box 1000, Pittsfield, MA (5/89 to 6/97)



Karen L. Krabill, PE

Professional Engineer

SMITH LAND SURVEYING, INC.

Education

West Virginia University
BSCE – 1984
Civil Engineering

West Virginia University
Graduate Studies – 1986
Geotechnical Engineering

Licensing

PE / Civil Engineering
West Virginia
Pennsylvania
Maryland
Ohio

Experience

Geotechnical Group Lead / Larson Design Group
February 2014 to November 2015

- Responsible for all aspects of geotechnical engineering for the company. Developed proposals, planned subsurface explorations, prepared test boring logs, performed engineering analyses and provided written reports. Oversaw personnel activities, including supervision of field technicians and review of field reports. Reviewed all geotechnical-related correspondence issued by firm.
- Specialties included landslide analysis and control, slope stability evaluation, design of reinforced soil slopes, well pad investigations and segmental retaining wall design.

Geotechnical Practice Leader / Triad Engineering, Inc.

May 2006 to December 2013

- Responsible for all aspects of geotechnical engineering for the Morgantown, West Virginia office. Planned and conducted subsurface explorations, developed detailed geotechnical reports and performed various engineering analyses. Provided expert testimony for court cases. Supervised and directed staff and reviewed all correspondence relating to geotechnical engineering.
- Specialties included earth dam design, slope stability analyses and control, segmental retaining wall design and forensic engineering.

Civil Engineer / Triad Engineering, Inc.

May 1990 to April 2006

- Conducted subsurface explorations, developed detailed geotechnical reports and performed engineering analyses. Conducted drainage analysis and design including stream flow analysis, dam break evaluations, ditch design and stormwater management system design. Performed field logging activities and site reconnaissance.
- Specialties included drainage design, slope stability evaluations, earth dam design, hydrology and hydraulics.



JASON McVICKER

SURVEY MANAGER & LICENSED PROFESSIONAL SURVEYOR

SMITH LAND SURVEYING, INC.

WORK HISTORY

- 2014-Present Smith Land Surveying, Inc., Glenville, West Virginia
Survey Manager
Schedule and supervise 8 field crews, supervise office personnel performing data reduction of field data, plat work, and deed research; client meetings and client development, oversee vehicle and equipment maintenance.
- 2012-2014 Blue Mountain Engineering, Wadestown, West Virginia
Field Supervisor and Crew Chief
Schedule and supervise 2-5 field crews, on well pad and pipeline survey work as well as title mapping work. Supervise 3+ office personnel performing data reduction of field data, plat work, and deed research, client project manager for gas client, client meetings.
- 2012 Herbert, Rowland & Grubic, Inc., Morgantown, West Virginia
Survey Project Manager
Schedule and supervise 2-5 field crews, supervise 3+ office personnel performing data reduction of field data, plat work, and deed research, client project manager for gas client, field reviews for new gas well pad sites, construction management, client meetings, and help to supervise construction management staff, oversee vehicle and equipment maintenance.
- 2011-2012 Triad Engineering, Inc., Morgantown, West Virginia
Survey Supervisor
Management of GPS field operations and equipment, training of staff on GPS field operations and equipment, and field equipment purchasing. Management of coal and oil & gas survey work, job estimates and bids, billing review and over-site, project management for a variety of survey projects ranging from small to large, including rural and residential boundary surveys, topographic surveys, aerial flight control, control surveys, surface mine related surveys, construction stakeout on jobs varying from roadways and site work to concrete and steel work, and Railroad surveys for construction.
- 2000-2011 Greenway Engineering, Inc., Winchester, Virginia
Project Manager (2003-2011)
Management of up to 6 office staff, job estimates and bids, project management for a variety of survey projects ranging from small to large, including rural and residential boundary surveys, topographic surveys, aerial flight control, control surveys, surface mine related surveys, construction stakeout on jobs varying from roadways and site work to concrete and steel work, Oil and Gas related surveys including: the staking of gas wells, topography for gas well pads, ponds, and roads, pipeline surveys, lease unit boundary surveys of up to 2000 acres each.
Partial management of a sister office (2009 & 2010) with duties including: scheduling of up to 6 field crews, management of up to 8 office staff, over site of employee timesheets, pricing of potential new

jobs, negotiation of past due bills with clients, vehicle maintenance coordination, over site of survey equipment maintenance and repair, reviewing bills, and reviewing work performed by staff.

Field Coordinator (2000-2003)

Order and distribute field supplies, management of up to 4 office staff and up to five 2-man field crews, company vehicle management, job estimates and bids, project management, field data entry, computer drafting, survey computations to include boundary related (calculating surveys as to where property corners are to be set, traverse computations, deed delineation, and deed research), and construction related (calculating stockpile volumes, yardage moved volumes, calculating survey stakeout data from building and site grading plans, and developing as-built drawings of existing structures that are to be moved and re-erected).

Direct rural and residential boundary surveys, topographic surveys, aerial flight control, control surveys, and surface mine related surveys, as well as construction stakeout on jobs varying from roadways and site work to concrete and steel work.

1998-2000

**Garbart Consulting Services, Inc., Uniontown, Pennsylvania
Chief Surveyor/Department Manager**

Personnel management, company vehicle management, order and distribute supplies and equipment, job estimates and bids, project management, field data entry, computer drafting, and survey computations to include boundary related (calculating surveys as to where property corners are to be set, traverse computations, deed delineation, and deed research), and construction related (calculating stockpile volumes, yardage moved volumes, calculating survey stakeout data from building and site grading plans, and developing as-built drawings of existing structures that are to be moved and re-erected).

Direct and perform rural and residential boundary surveys, topographic, aerial flight control, control surveys, underground and surface mine related surveys, as well as construction stakeout on jobs varying from roadways and site work to concrete and steel work

EDUCATION

1993-1995

College of Civil Engineering, West Virginia University

1989-1991

Associate Degree- Land Surveying Technology, Glenville State College

COMPUTER SKILLS

- AutoCAD / SurvCADD software use from 1992 to present
- Microsoft Word use from 1995 to present
- HP 48 handheld /SMI software use from 1993 to present
- Carlson data collector with Carlson SurvCE Software as a total station data collector, RTK data collector and Static GPS data collector
- Familiarity with several models of field instruments including Topcon, Sokkia, Nikon, Leica, and Wild, as well as some data collection models.

MEMBERSHIPS, LICENSES, CERTIFICATES

- State of West Virginia Professional Surveyor License [REDACTED] (Obtained in 2001)
- Member of the West Virginia Society of Professional Surveyors
- CSX Railroad Training and Certification
- 24 hours MSHA Surface Mine Coal and Construction Safety Certification
- 24 hours MSHA training towards 40 hr Underground Miner Certification

- OSHA 10 Hour Certification
- Safeland Certification



LESLIE PIERCE

PROJECT MANAGER & LICENSED PROFESSIONAL SURVEYOR

SMITH LAND SURVEYING, INC.

Professional Experience:

- 2010-Present Project Surveyor, Smith Land Surveying, Inc.
Responsibilities include Phase I Environmental Site Assessments, road condition surveys and reports, preparation of permit applications for local, state and federal agencies, research public records, QAC of field and office data, prepare maps and reports for field surveys.
- 2009-2010 Self Employed Professional Surveyor (Florida)
Provide professional land surveying and related consulting services to private and public clients. Provide boundary, topographic, photogrammetric control, accident surveys, right of way surveys, subdivision platting and hydrographic surveys.
- 2006-2009 Hillsborough County Florida-Manager of County Survey Field Office
Managed survey field office for Hillsborough County, Florida. Responsibilities included day to day operations of surveying office and personnel, develop budgets, perform and prepare boundary, topographic, environmental surveys. Provide surveys and data to public and private clients. Establishment of continuously operating GPS reference base stations. Supervised staff in the use of flatbed photogrammetric scanners. Provided QA/QC on photogrammetric projects. Prepared photo overlay exhibits for proposed highway related projects used in property acquisition and eminent domain proceedings. Established three dimensional survey control for large and small projects.
- 1997-2006 Hillsborough County Florida-Manager of County Right of Way Section
Responsible for management of 20 + staff and contract with 21 surveying and mapping consulting firms. Perform quality control for subdivision platting, road right of way surveys, road design plans and photogrammetric mapping. Created inter-local agreements with other government organizations, develop budget, maintain technical hardware and software. Developed countywide right of way inventory program. Created specifications for individual and county-wide aerial mapping projects (included 1,000 square miles semi-annual flights) both film and digital base. Negotiated and managed contracts for over six photogrammetric consultant contracts. Supervised photogrammetric staff in data acquisition by use of analog and digital stereoplotters
- 1990-1997 Hillsborough County Florida-Professional Surveyor
- 1986-1990 Delta Engineering Corporation-Chief of Surveying

1968-1986 Delta Engineering Corporation-Professional Surveyor

Licenses:

Professional Surveyor (Florida [REDACTED])

Education:

1967 King High School- Tampa, Fl
1968-2012 Continuing educational seminars and training in surveying and business management
2012 Phase 1 ESA Training (ER-Due Diligence at Dawn Seminar)

Professional Organizations:

Member, ACSM- American Congress on Surveying and Mapping
Member, ASPRS- American Society on Photogrammetry and Remote Sensing
Member, National Association of County Surveyors
Member, West Virginia Land Society of Surveyors
Member, Florida Society of Professional Surveyors



KENNY HALL

PROJECT MANAGER

SMITH LAND SURVEYING, INC.

EXPERIENCE

PROJECT MANAGER, Smith Land Surveying (2014-current)

Design of Site Plans for Marcellus Shale Gas Wells.
Design land features such as ponds, pads, and drains using Carlson Civil Software.
Create Topographical data for Quantities for cut and fill.
Calculate total construction of well sites including excavation of materials, erosion and sediment control, stone aggregates, drains, site disturbance, etc.
Design site plans for construction for commercial buildings, restaurants, parking lots, retaining walls, storm drains, etc.
Calculate total construction cost of materials and labor for projects in order prepare bid proposals for the projects.
Storm water analysis of construction sites in order to prepare and submit permits to the DEP.

Interim Bridge Engineer, WVDOH (2013-2014)

Bridge analysis of existing and proposed bridges in district 7 counties.
Bridge inspections of existing bridge in order to obtain data such as deterioration, rust of stringers, deck wear, abutment condition, erosion, exposed and rusted structural rebar, etc.
Calculated allowable stresses on bridge structures using LARS software and data obtained from the field.
Permitting of all oversized loads for vehicles traveling over any structures on district 7 road ways.

Co-op, WVDOH (2010-2012)

Bridge Inspection for District 7 Less Than 20' Bridges.
Inspect the condition of all bridges that are less than 20' for deterioration, rust of stringers, deck wear, abutment condition, erosion, exposed and rusted structural rebar, etc.
Document all field finding for recording.
Filing of all field notes and pictures.
Recording GPS coordinates of the location of each bridge in order to map out and track all inspected and uninspected bridge according to date.

EDUCATION

Webster County High School, graduate
Fairmont State University BS in Civil Engineering Technology



EARL THOMPSON

PROJECT MANAGER & LICENSED PROFESSIONAL SURVEYOR

SMITH LAND SURVEYING, INC.

EXPERIENCE

- Has experience in hand drafting and entries of field notes.
- Experienced on the operating systems of Carlson Software and several versions of Auto-CAD systems.
- Has experience in the operation of data collection devices and on site calculations and decisions.
- Has worked as a Project Surveyor in charge of surveying oil and gas well locations, and boundary and partition surveys.
- Experienced with pipeline profiles for both road and stream crossings, GPS data processing, construction stake-outs, courthouse research, topographic surveys and mapping, field reconnaissance, all positions on field crews, and drafting. Has been in charge of several projects for EQT including both office and field sides.
- Experienced with controlling multiple crews simultaneously and public relations and with designing multiple well pad locations and spacing plans of horizontal well paths.
- Has been in charge of and overseen the operation and checking of levels which was performed for a coal company consisting of approximately 1.5 miles located in Wyoming County, WV. And was in charge of the stake-out for tower bases and most of the As-Builts for this project as well.
- Marked many miles of seismic lines using long-hand calculations on site in Southern Kentucky.
- Several years of experience as an over-the-road truck driver, mechanics on tractor trailers and many military vehicles and associated components.
- Experienced with the operation and mechanics of several different pieces of heavy equipment such as bulldozers, trackhoes, backhoes, and fork lifts.

EDUCATION & ACHIEVEMENTS

State of West Virginia Professional Surveyor License [REDACTED]
Associate of Science in Land Surveying – Glenville State College (1992)
Class A CDL Driver's License (1994)
Fuel Handling Safety Class (2003)
ABS Brake System Class (2003)
Warehouse Safety & Chemical Neutralization Class (2003)
Airborne Hazards Class (2004)



WES WAYNE

Designer/Staff Engineer

SMITH LAND SURVEYING, INC.

EXPERIENCE

Smith Land Surveying, Inc., Glenville, WV Project Coordinator (2013-present)

Project manager at SLS for all EQT related projects.
Site plans, As-Built drawings, Etc.

Smith Land Surveying, Inc., Glenville, WV, Designer/Staff Engineer (2012-2013)

Design of Site Plans for Marcellus Shale Gas Wells
Preparation of As-Built Drawings for Well Pads, Impoundments, and Pits.

ICG Eastern LLC/Arch Coal Inc., Cowen, WV, Project Engineer/Manager (2006-2012)

Preparation of daily production report, monthly mine plan budget numbers, and mine production maps.
Preparation of Progress Maps, As-built drawings, etc. with AutoCAD and SurvCAD.
Design, construction management, and certification of all sediment control structures and durable rock fills.
Project Manager on several large offsite reclamation projects in excess of \$1.5 million.
Supervised Surveying of all open pits, valley fills, and new construction on a daily basis.
Design and Manage construction of all new existing haulage and access roads.
Design and manage construction of Refuse Disposal Areas
Perform weekly impoundment inspections. (Certified from MSHA in April 2006.)
Design and implementation of Forestland/Wildlife planting plan on all reclaimed permit area.
Steering team member in charge of implementing and training workforce on Behavioral Safety.
Project Engineer over construction of Selenium Treatment Bioreactor Wetland.

Britton Engineering, Inc., Summersville, WV, Engineering Technician (2003-2006)

Preparation of Surface and Underground Mining Permits for submittal to State and Federal Agencies.
Prepare permit revisions, NPDES modifications, renewals, and phase releases for various mining companies.
Conducted ground water inventories and stream delineation as required for Surface Mine Applications.
Perform property surveys and prepare survey plats.
Mapping with AutoCAD and SurvCAD.

MEPCO, Inc/Dana Mining, Inc., Morgantown, WV, Permitting Specialist (2002-2003)

Preparation of Underground Mining Permits for submittal to State & Federal agencies
Manage all aspects of mine permitting process including: submittals, revisions, renewals, and phase releases.
Water sampling and water treatment when required.
Mapping with AutoCAD and SurvCAD.
Design and construction of sediment control structures.



CHARLES V. "VIC" MOYERS

SENIOR LICENSED PROFESSIONAL SURVEYOR

SMITH LAND SURVEYING, INC.

PROFILE

Mr. Vic Moyers was licensed as West Virginia Professional Surveyor No. 849 in 1988. When starting for SLS in 1988, he already had over eight years' experience in office and field aspects of boundary, oil and gas, and mining surveys. Since then, has worked as Project Surveyor in charge of supervision of surveying oil and gas well locations, pipeline surveys, boundary surveys, control surveys, highway (route) surveys including centerline, cross-section and profile work with all related computations and calculations. Vic's experience includes supervision and planning of GPS projects as well as processing GPS record research, as-built surveys, topographic mapping, strip mine pit and stockpile volumes, field reconnaissance, instrument man, office calculations & drafting. He has managed several large surveying/mapping projects such as Coal Company purchase of 30+ parcels totaling over 1500 Acres, government purchase/acquisition of over 200 parcels of land for construction and flood easements for the North Fork of Hughes River Dam Project, several miles of four land highway control, stake-out and property acquisition, GPS control surveys for aerial photo mapping projects for commercial development projects, many miles of gas pipeline surveys for construction and permitting. He also supervised all preliminary boundary surveying and topographic mapping for the Federal Prison site in Preston County, West Virginia and normal supervises the surveying of numerous oil and gas related surveys each year and several property surveys. His experience also includes boundary disputes and has served as an expert witness in court proceedings in disputes and property acquisition/condemnations.

FORMAL EDUCATION

Associate in Science in Land Surveying Degree –Glennville State College (1979)

CONTINUING EDUCATION COURSES & SEMINARS

Seminar on Legal Research and Liability (1987)
Seminar on Boundary Law in West Virginia (1990)
Surface Mining Permitting and Regulations – WV Dept. of Energy (1990)
Geographic Information System – RDA Associates, MD (1990)
Geographic Information System—RDA Associates, MD (1990)
Design and Permitting of Water and Sewer Systems—WV Dept. of Health (1990)
Global Positioning Systems—Technical and Use (1991)
Wetlands Evaluation—EPA US Army Corps, Fish and Wildlife & the D.N.R. (1991)
Continuing Education Training Institute Course in NCEE—0.35 Units—GSC (1992) Seminar on Office Procedures Relating to Forms & Sources of Liability, Communication Documentation, Seals & Signatures—Knud Hermansen, P.S. & P.E. (1992)
Seminar on Field to Office Automation (1992)
Seminar on Oil and Gas Laws and Practices of West Virginia—WV D.E.P. (1992)
Workshop on Sediment and Erosion Control (1992)
Professional Liability Seminar—CNA Group (1993)
Seminar on Managing Multiple Project Objectives and Deadlines
Seminar on Differential GPS: Technology and Application (1994)

Seminar on Managing Multiple Project Objectives and Deadlines
 Seminar on Differential GPS: Technology and Application (1994)
 Seminar on Minimum Standards of Surveying (1995)
 Seminar on Ethics and Professional Courtesy (1995)
 Seminar on Boundary Lines and Boundary Disputes (1995)
 Seminar on Environmental Issues (1996)
 Seminar on AshTech Real-time Surveying System (1997)
 Seminar on an Introduction to the Internet (1997)
 Seminar on a History of the Surveying Profession (1997)
 Seminar on Understanding & Applying Technical & Legal Aspects of Retracements (1997)
 Micro Station In Roads Software Training—WV DOT (1999)
 Surv CADD Advanced Training (1999)
 Surv CADD Cogo & Fundamentals (1999)
 SMI Construction 5 Data Collection (1999)
 Boundary Litigation and the Land Surveyor (2000)
 Surveying Practice—Management, Liability, Ethics & Courtesy (2000)
 WV Board of Examiners Test Development Workshop (2000)
 Seminar on Responsible Charge (2001)
 Seminar on Practical GPS Surveying (2001)
 Seminar on Surveying Firm in the 21st Century (2001)
 WV Board of Examiners Test Development Workshop (2001)
 Seminar on Surveying Profession & Public Policy (2002)
 WV Board of Examiners Test Development Workshop (2003)
 Seminar on Using Coordinates for GPS (2004)
 Seminar on Professional/Personal Courtesy “Charm School” (2004)
 Seminar on Surveying Evidence “To Accept or Not” (2004)
 Seminar on Situational Ethics for Surveyors (2004)
 Seminar on Helping Clients Cut Cost of Flood Insurance (2005)
 Seminar on Basic Mechanical Lien Application & Judicial Enforcement Procedure (2005)
 Seminar on Adjoiner Relations for Surveyors (2005)
 Seminar on Minimum Standards for Surveyors (2005)
 Seminar on Intro to GIS for Surveyors (2005)
 Seminar on Foundation Concepts in GIS for Surveyors (2005)
 Seminar on NCEES Surveying Exam Standard Setting Study Workshop
 (Invitation Only 2005)
 Seminar on Legal Research Basics for Land Surveyors (2006)
 Seminar on Disputes between Adjoining Land Owners (2006)
 Seminar on Floodplain Development Technical Guide (2006)
 Seminar on Public Speaking (2008)
 Seminar on Record Research (2008)
 Seminar on the Effect of Easements on Surveyors’ Work (2008)
 Seminar on Minimum Standards and Professional Ethics (2008)
 Online Continuing Education Course on Time Management Tips for Busy Professionals
 (2010)
 Online Continuing Education Course on Three Secrets of the One Minute Manager (2010)
 Seminar on The Advancement of Surveying Instrument Technology and How it Affects You
 (2010)
 Seminar on New Developments in OPUS (2011)
 Seminar on Comparative Ethics for Surveyors (2012)
 Seminar on Minimum Standards for Surveyors (2012)
 Seminar on Surveying Issues in Ohio: Attorney General’s Office (2013)

Seminar on Ohio's Underground Damage Prevention Legislative Update (2013)
Seminar on Ohio's Oil and Gas Survey Plat Requirements (2013)

PROFESSIONAL ORGANIZATIONS

Former National Exam Evaluation Committee for NCEES—Invitation Only (1992 & 2005)
Former Member and Chapter Representative for Central Chapter of WVALS
Former WV Association of Land Surveyors (Now WVSPS) Board of Directors Member, Vice President & President
Current Member of Professional Land Surveyors of Ohio (PLSO)



KIP R. HALL

Senior Staff Engineer

SMITH LAND SURVEYING, LLC

PROFILE

I have vast professional experience in Civil Engineering. I have managed diversified projects in Civil Engineering ranging from medium to large scale bridge and roads projects. I had the responsibility of monitoring the daily activities of these projects to ensure that all tasks were completed per plan. I can handle high pressure environments with ease and an open mind, also a good team player. I have efficient communication skill to present my points precisely to listeners.

EDUCATION

A.S., Electrical Engineering Technology, (WVIT 1988)
B.S., Civil Engineering, (WVIT 1990)

SKILLS

Efficient management and organizational abilities.
Have good problem solving with analytic thinking.
Open minded to work in complex environment and projects.

WORK HISTORY

WVDOT-Division of Highways, Dist. 7 Construction Engineer, Weston, WV (1990-present)
Smith Land Surveying, Inc., 12 Van Horn Dr., P.O. Box 150, Glenville, WV 26351 (2012-present)

RESPONSIBILITIES

- The Construction Engineer is responsible for the administration of highway construction projects let to contract.
- Communicating with employees under my supervision which involves: Assist in interpreting plans and specifications, discussion of construction methods involved as to acceptability and requirements for documentation of work inspected and supporting measurements or calculations to substantiate payment for work performed.
- Communication with my superiors in regards to problems encountered on projects that requires their being made aware of or their assistance in resolving it.
- Communication with contractors supervisory personnel in regards to scheduling of work, resolution of problems encountered, interpreting of plans and specifications and resolving when discrepancies are found
- Reviewing, in the field, ongoing work for compliance with contract documents.
- Reviewing plans and contract documents prior to work being performed in order to resolve potential problems.
- Review & certify all plans for Smith Land Surveying, Inc.



GARY WILLISTON
PARTY CHIEF & LICENSED SURVEYOR
SMITH LAND SURVEYING, INC.

WORK HISTORY

- 2010-Present **Smith Land Surveying, Inc., Glenville, West Virginia**
- Performed Boundary Surveys, Commercial Sites, Subdivisions, Developments, Topography Surveys, Aerial Control Targets, Construction Layout, As-Built Surveys, Alta and Mortgage Location Surveys.
 - Trained and Managed Employees in the Field.
 - Reviewed and/or Performed Record Research of the Right-of-Way Plans, Survey Plats and Legal Descriptions Prior to Doing Field Work.
 - Provided Calculations and Drafting of Survey Plats, Drawings, etc.
 - Ensured all Field Work Met or Exceeded the Requirements for Each Job.
- 2007-2010 **Contractors Design Engineering**
- Performed Boundary Surveys, Commercial Sites, Subdivisions, Developments, Topography Surveys, Aerial Control Targets, Construction Layout, As-Built Surveys, Alta and Mortgage Location Surveys.
 - Trained and Managed Employees in the Field.
 - Reviewed and/or Performed Record Research of the Right-of-Way Plans, Survey Plats and Legal Descriptions Prior to Doing Field Work.
 - Provided Calculations and Drafting of Survey Plats, Drawings, etc.
 - Ensured all Field Work Met or Exceeded the Requirements for Each Job.
- 1979-2007 **Baharoglu and Associates, Inc.**
- Performed Boundary Surveys, Commercial Sites, Subdivisions, Developments, Topography Surveys, Aerial Control Targets, Construction Layout, As-Built Surveys, Alta and Mortgage Location Surveys.
 - Trained and Managed Employees in the Field.
 - Reviewed and/or Performed Record Research of the Right-of-Way Plans, Survey Plats and Legal Descriptions Prior to Doing Field Work.
 - Provided Calculations and Drafting of Survey Plats, Drawings, etc.
 - Ensured all Field Work Met or Exceeded the Requirements for Each Job.
- 1975-1979 **United States Air Force**
- Surveyed Horizontal and Vertical Control for Air Traffic Control Stations.
 - Completed Topography of Runway and Checked Minimum Clear Zones for Violations of Obstructions such as Buildings, Trees, etc.
 - Performed Inspections for Soil and Concrete Testing, Service Contracts, Electrical, Mechanical and Utility Projects and Other Building Construction Projects.

EDUCATION

Sheppard Air Force Base Site Development School
Graduate - 1976

Lewis County High School
Graduate - 1974

MEMBERSHIPS, LICENSES, CERTIFICATES

- State of Ohio Professional Land Surveyors Registration – 1988
- OSHA 10 Hour Certification – 2015
- Heartsaver First Aid, CPR Certification - 2015



CHRISTOPHER P. MOYERS

PROJECT MANAGER/PARTY CHIEF

SMITH LAND SURVEYING, INC.

WORK HISTORY

2002-Present Smith Land Surveying, Inc., Glenville, West Virginia
Project Manager/Party Chief

WORK EXPERIENCE

Surveying

Determine best locations for gas well pads, access roads, storage ponds and gas lines based on gas company requirements and in keeping with state and federal regulations and engineering restrictions; locate lease and surface boundary lines; and use GPS, total stations and other surveying equipment for collection of field data.

Construction

Collect preliminary field data and/or topographical data for proposed site prior to design; stakeout points in field for a designed plan for all aspects such as access roads, well pads, storage ponds, sediment traps, erosion and sediment controls, etc.; complete "As-Built" on finished site to determine grades on constructed slopes, pond volumes, pad sizes, etc.

Mapping

Field work preparation including target formations and offset well spacing, location and pit size, access road options, coal activities, existing pipeline locations for proposed tie-ins, lease boundaries and ROW options; use AutoCADD to plot deeds and lease descriptions and overlay them to topographic maps, oil and gas well spot maps, farmlines maps, aerial photos and other drafting; drafting well pad and storage ponds site plans, reclamation plans, pipeline and access road ROWs, public road encroachments/crossing, creek/river crossings and well plats; additional mapping using ARCHVIEW and similar software programs.

Courthouse Research

Locate deeds, lease agreements, ROW agreements and etc. for subject tracts of land; determine ownership of surface and mineral tracts; trace back particular tracts to determine chain of title and out conveyances; obtain all available relevant information to enable the permitting of an oil and gas well.

Interpersonal

Coordination and correspondence with state officials, client representatives, construction personnel and landowners.

particular tracts to determine chain of title and out conveyances; obtain all available relevant information to enable the permitting of an oil and gas well.

Interpersonal

Coordination and correspondence with state officials, client representatives, construction personnel and landowners.



ADAM D. WILSON

SENIOR ENVIRONMENTAL SCIENTIST

SMITH LAND SURVEYING, INC.

WORK HISTORY

2014-Present **Smith Land Surveying, Inc., Glenville, West Virginia**
Regulatory Permitting, Environmental Tech., AST Coordinator

Prepare estimates for permitting, wetland delineations, and AST inspections. File permits and work with regulatory agencies on permitting issues and implement permit conditions with various companies. Execute wetland delineations and environmental site reviews followed by reports accurate for use with regulatory agencies. Register, create spill prevention response plans, and inspect/certify aboveground storage tanks as mandated by WV Senate Bill 423.

2010-2014 **Arbys Restaurant, Weston, West Virginia**
General Manager/Assistant Manager

Responsible for all aspects of the restaurant. Ordering all items needed for operation. Inventory of all items within the store to ensure food costs. Scheduling a staff of 25-30. Training new employees and managers to Arbys standards. Maintenance of store equipment and grounds. Customer relations and promoting specials in a variety of media.

2005-2010 **Harrison Construction, Marietta, Ohio**
Laborer

Assist in day to day operation including remodeling, siding, and roof work. Cleanup and teardown of worksite along with general housekeeping and maintenance of equipment and tools. Assist foreman with any needed tasks including material retrieval.

2000-2005 **Mark Mondo Construction and Excavation, Marietta, Ohio**
Concrete Laborer

Assist in day to day operation of concrete pours. Install and remove concrete forms. Prep worksite and prepare equipment. Maintain and clean concrete equipment. Drag concrete during pour and help screed and finish when necessary.

EDUCATION

Glennville State College, Glennville, West Virginia
Bachelors of Science, Natural Resource Management w/Environmental Science Concentration

Marietta High School, Marietta, Ohio
Diploma

SKILLS

Wetland delineation, CADD, Regulatory Permitting (including WV DEP, USACE, WV DOH, US FISH, Floodplain, WV DNR, SHPO), Microsoft Office, Handheld Data Collectors, Aboveground Storage Tank Inspection, Asbestos Building Inspection.

MEMBERSHIPS, LICENSES, CERTIFICATES

- Steel Tank Institute SP001 Inspector Certification
- OSHA 10 Hour Certification
- WV Licensed Asbestos Building Inspector
- Heartsaver First Aid, CPR Certification
- 38 Hour Wetland Delineation Course
- US EPA Consent Decree Training Course
- US EPA Watershed Management Certification



D. BRADY STUTLER

Geotechnical Drilling Manager/CAD & GIS Specialist

SMITH LAND SURVEYING, INC.

EXPERIENCE

2006-2012 Thrasher Engineering Inc. Bridgeport, WV
Survey CAD Technician

- Worked under five WV Licensed Surveyors and eight WV/PA licensed Professional Engineers.
- Drafted multiple property, easement, condemnation, well, and permit plats.
- Received information from field crews on a daily basis and updated base mapping and topographic mapping for the engineers and GIS departments
- Drafted as-built surveys and Alta surveys from start to finished product.
- Completed over 1000 miles of proposed and as-built pipeline surveys, working both indoors doing drafting / engineering, and outdoors surveying.
- Worked on long wall mining mapping and water sampling on multiple jobs, covering over 2000 homes and businesses, both in office and out. Doing water well sampling and mapping for every sampled home or business in the project area (within a 2 mile radius of a long wall mine).

2012 - Present Smith Land Surveying Glenville, WV
Geotechnical Drilling Manager / CAD & GIS Specialist

- Prepare base mapping and topographic mapping for multiple engineering and as-built sites.
- Complete as-built survey plats from start to finish.
- Worked on multiple proposed pipeline surveys.
- Prepared and set up information for geodatabasing in GIS.
- Drafting well plats, road approaches, and reclamation plans.
- Managing Geotechnical Drilling operations.
- Organizing and completing geotechnical testing evaluations.
- Setup final designs through Carlson Construction for use on Caterpillar and other GPS equipment for well site construction.
- Mapping and topo work with Cyclone and other Point Cloud software.

- Designing rough / preliminary pad and access road locations.
- Converting design files to shape files for client geodatabasing.
- Preparing exhibit maps and information for environmental permitting.
- Completing road condition surveys from start to finish.

EDUCATION

2002-2005 South Harrison High School Lost Creek, WV

- Completed courses in board and computer aided drafting.
- Graduated with a 3.0 grade average.

2004-2005 United Technical Center Clarksburg, WV

- Completed 1000 hours of drafting training in a two year course.
- The first year in the course was for mechanical drafting and design.
- During the first year in the course I won 3rd place in the state for the VICA mechanical drafting competition.
- The second year of the course was for architectural drafting.
- During the second year of the course I won 1st place at the state level VICA architectural competition and 15th in the National VICA competition for architectural drafting.

2005-2007 Fairmont State University Fairmont/Clarksburg, WV

- Completed 1.5 semesters in the civil engineering program.
- 50 hours of Autodesk Land Desktop training.

SOFTWARE EXPERIENCE

I have multiple years of experience with 2009 Autodesk Land Desktop, 2010-2014 Carlson with Autodesk, and 2010-2012 Autodesk Civil 3D. I also have roughly three years of experience with Carlson GIS, ESRI ArcGIS, general point cloud software, and Carlson Construction.

INTERESTS

I enjoy spending time with my children and family, also golfing, hunting, fishing, dirt track racing, donating time to raise money for my Shriners organization, and taking kids to and from multiple Shriners hospital locations.



KEN SIMMONS
IT/CADD Specialist
SMITH LAND SURVEYING, INC.

EXPERIENCE

IT/CADD Specialist, Smith Land Surveying (2008-current)

Design land features such as ponds, pads and drains using Carlson Civil Software.

Create Topographical data for Quantities for cut and fill.

Created and continue to update written job descriptions for office personnel.

Developed manual for all business office procedures, resulting in standardized operations.

Well Plats, Permits, and Exhibits.

Design of Site Plans for Marcellus Shale Gas Wells.

Take care of all computer and network issues.

Office Supervisor, Thrasher Engineering (2004-2008)

Design land features such as ponds, pads and drains using Civil Land Desktop.

Create Topographical data for Quantities for cut and fill.

Deed research and right-of-way information for P.S.D. related jobs and work done for Eastern Coal.

Created and continue to update written job descriptions for office personnel.

Developed manual for all business office procedures, resulting in standardized operations.

Worked primarily for pipeline, pipeyard and test stations for four years.

Office Manager, Wheeler, Jackson and Ferrell, Inc. (2004)

Performed business office duties.

Field work as instrument man as well as court research.

Survey plats using Eagle Point software.

Ordered office and survey supplies.

Cadd Tech. Smith Land Surveying (2001-2004)

Survey and Well Plats using Carlson Software.

Field Work as a rod man

Cadd Tech. & Field Crew, D. L. Wheeler and Associates (1991-2001)

Survey, Mortgage and Alta plats using Auto Cadd and Eagle Point software.

Field work as a rod man and as instrument man.

EDUCATION

Lewis County High School, graduate
Fairmont State University AS in Civil Engineering
Glenville State College, BA in Sociology / Psychology

CERTIFICATIONS

Nine Years of office supervisory experience
Twenty/five years of Auto CADD experience
Experienced in field work
OSHA certified in Construction Safety and Health 10 Hour
ComTIA certification in A+
ComTIA certification in Linux+
ComTIA certification in Server+
DCA (Dell Certified Associate)

INTERESTS

Black Belt in Shorin-Ryu
Green Belt in Judo
1988 Junior Olympics Gold Medal
1992 USAKF Lightweight Champion



MATTHEW J. HILTON JR.

PROJECT MANAGER & LICENSED PROFESSIONAL SURVEYOR

SMITH LAND SURVEYING, INC.

WORK HISTORY

- 2011-Present **Smith Land Surveying, Inc., Glenville, West Virginia**
Project Manager
Monitor the progress of projects under my supervision, check well plats and rec plans, perform boundary surveys and compute corners, prepare for drafting, perform level loops and compute elevations for elevation certificates and Loma surveys
- 2009-2011 **Allegheny Surveys Inc., Birch River, West Virginia**
Senior Party Chief
Staked gas wells and prepared plats and rec plans for drafting, topo'd coal mine stock piles
Using conventional and survey grade GPS, set control points using survey grade GPS, set control points using survey grade GPS, ran field crews on boundary surveys.
- 2009-2009 **Pocahontas Coal Company, Beckley, West Virginia**
Survey Helper
Assist in setting spads in high wall for lining up high wall mining equipment, assist in running traverse and set bore hole stake, assist in as-built for access roads and high wall reclamation.
- 2006-2009 **Allegheny Surveys Inc., Birch River, West Virginia**
Senior Party Chief
Staked gas wells and prepared plats and rec plans for drafting, topo coal mine stock piles using conventional and survey grade GPS, set control points using survey grade GPS, ran field crews on boundary surveys.
- 2001-2006 **Smith Land Surveying Inc., Glenville, West Virginia**
Field Technician/Party Chief
Assist in staking gas wells and access roads, assist with performing boundary surveys, assist with construction surveys, became party chief and began staking gas wells, laying out access roads and preparing well plats for drafting, ran boundary survey crews and helped with the computation of boundary corners and preparing plats and description for drafting, ran level loops and computed elevations for elevation certificates.
- 1999-2001 **Smith Land Surveying Inc., Glenville, West Virginia**
Assist with the project at hand, which included giving back-sights, head chaining on boundary surveys, assist in staking gas wells.

EDUCATION

Associate in Land Surveying, Glenville State College

SKILLS

Total stations (including Topcon Gts series, Leica and Nikon) 3 wire level, survey grade GPS (RTK units including Epoch 35 and Trimble) as well as Trimble mapping grade units
Carlson Survey, TDS data collection software and SMI data collection software

MEMBERSHIPS, LICENSES, CERTIFICATES

- State of West Virginia Professional Surveyor License [REDACTED] (obtained 2014)
- OSHA 10 Hour Certification
- Heartsaver First Aid, CPR

SOLICITATION NUMBER: CEOI– HSE1600000002

Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CEOI HSE1600000002 (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

Description of Modification to Solicitation:

1. The bid opening has moved from 02/16/2016 to 02/23/2016.
2. Responses to vendor questions will be issued under separate addendum.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI HSE160000002

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

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

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

SLS LAND & ENERGY DEVELOPMENT
Company
David A. Smith
Authorized Signature
3-3-16
Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

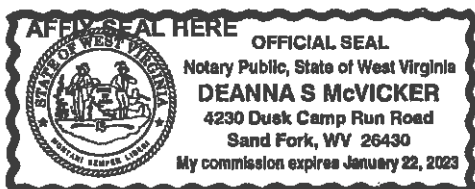
AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: SLS Land and Energy Development
Authorized Signature: Sarah A. Smith Date: 2-19-16

State of West Virginia
County of Gilmer , to-wit:

Taken, subscribed, and sworn to before me this 19th day of February , 2016.
My Commission expires Jan. 22 , 2023.



NOTARY PUBLIC Deanna S. McVicker