

**Expression of Interest
MULTIPLE PERMITS DESIGN SERVICES
Purchase Order No. DEP15901
Barbour, Grant and Upshur Counties, West Virginia**



Before Construction

Howesville Sites



After Construction

Submitted To:
**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF SPECIAL RECLAMATION**
105 South Main Street
Philippi, West Virginia 256416-9998

RECEIVED

June 28, 2012

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WV PURCHASING
DIVISION



Stantec

1 Moore Avenue
Buckhannon, WV
(304) 472-7140

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**Section One:
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OSR and Related Project
Experience Matrix**

5

**Section Five:
Purchasing Affidavit**



Stantec

Stantec Consulting Services Inc.
1 Moore Avenue
Buckhannon, WV 26201
Tel: (304) 472-7140
Fax: (304) 472-6239

June 28, 2012

West Virginia Department of Environmental Protection
Office of Abandoned Mine Lands
105 South Railroad Street
Philippi, West Virginia 26416-9998

Attention: Mr. Dave McCoy, P.E.

Dear Mr. McCoy:

Reference: Multiple Permits Design Services, P.O. Number DEP15901

Please find enclosed an Expression of Interest (EOI) for Stantec Consulting Services Inc. to perform mapping and engineering services for "Multiple Permits", P.O. Number DEP 15901, West Virginia Department of Environmental Protection, Office of Special Reclamation (OSR) project. Stantec Consulting Services Inc. is a 10,000 member engineering company with two offices in West Virginia in Charleston and Buckhannon. Please review the enclosed completed "OSR Consultant Qualification Questionnaire", "OSR and Related Project Experience Matrix", and Purchasing Affidavit for Stantec to perform mapping and engineering services for "Multiple Permits" as outlined in RFQ DEP 15901.

Stantec has successfully completed reclamation projects in Barbour County, Grant County, and Upshur County for the West Virginia Department of Abandoned Mine Lands (WVAML). In addition, Stantec has employee experience completing the "Consequences of Mining" on 438 bond forfeiture sites and twelve (12) passive acid mine drainage projects for OSR. Some of these sites were in the RFQ listed counties. Therefore, Stantec is very familiar with the coal seams, surface and deep mining, and geology, and hydrology in these counties. Stantec also has employee experience completing twenty five (25) SOAP surface mine applications and six (6) SOAP deep mine applications, all involving hydrologic and geologic investigations and Probable Consequences of Mining in different geologic and hydrologic settings across the State. Stantec recently completed work on two surface mine applications for private clients. Stantec also has Project related experience successfully completing projects for the WVAML Program and the Office of Special Reclamation; for the Ohio Department of Natural Resources (ODNR) AML Program; and for the West Virginia Conservation Agency. In addition, Stantec has employee project-specific experience completing other Projects for OSR and the WVAML Program. Our project experience includes: design meetings, monthly progress reports, invoicing, and other necessary OSR paperwork; surveying and mapping; subsurface investigations; existing slope and design slope stability analyses, design, and stabilization; groundwater and surface water testing, analyses, and reporting; refuse and overburden neutralization calculations and design; mass balanced earthwork quantities; structure demolition and removal plans; site drainage design including hydrologic and hydraulic studies for erosion and sediment control, bridges, natural stream designs; channels, ditches, pipes and box culverts; civil site design; sediment control; and revegetation plans as well as construction plans and specifications. EOI-Related reclamation experience completed for the WVDEP includes:

June 28, 2012

Mr. Dave McCoy, P.E.

Page 2 of 3

Reference: Multiple Permits Design Services, P.O. Number DEP15901

1. WVDEP: Tub Run Highwall and Refuse Phase II;

\$2,800,000 Eng. Estimate	307,000 C.Y. Earthwork 9,400 L.Ft. "V" Ditches 1,900 L.Ft. Flat Bottom Ditches 2,500 L.Ft. Subs. Drain	Refuse Regrading Mine Drainage Treatment Plan Structure and Debris Removal Sediment Control Plan Revegetation 114.0 Acs. Access Road Improvement and Construction	Construction Plans and Specifications, Geotechnical Subsurface Investigation Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing
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2. WVDEP: Tub Run Highwall and Refuse Phase I;

\$2,300,000 Eng. Estimate	265,000 C.Y. Earthwork 9,900 L.Ft. "V" Ditches 244 L.Ft. Culvert 8 Ft. by 8 Ft. Box Culvert 1,000 L.Ft. Subs. Drain	Refuse Regrading Mine Drainage Treatment Plan Structure and Debris Removal Sediment Control Plan Revegetation 74.0 Acs. Access Road Improvement and Construction	Construction Plans and Specifications, Geotechnical Subsurface Investigation Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing
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3. WVDEP: Church Creek/Manown Highwall;

\$2,500,000 Eng. Estimate	220,000 C.Y. Earthwork 13,500 L.Ft. "V" Ditches 929 L.Ft. Flt Btm Ditches 30 L.Ft. Culvert 3,000 L.Ft. Subs. Drain 26 Mine Seals 5 Bat Gate Designs	Refuse Regrading Mine Drainage Treatment Plan Structure and Debris Removal Sediment Control Plan Revegetation 67.0 Acs. Access Road Improvement and Construction	Construction Plans and Specifications, Geotechnical Subsurface Investigation Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing
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4. WVDEP: Weaver Portals and Mine Drainage, Phase I and Phase II;

\$2,200,000 Eng. Estimate	162,821 C.Y. Earthwork 6,543 L.Ft. "V" Ditches 1,947 L.Ft. Flt Btm Ditches 321 L.Ft. Culverts 14 Wet Mine Seals 1,170 L.Ft. Subs. Drain	Refuse Regrading Debris Removal De-watering Plan Six Limestone Beds w/Aluminators and Flush Ponds Access Road Improvement and Construction	Construction Plans and Specifications, Geotechnical Subsurface Investigation, Cost Estimates, Project Mapping, Hydrologic Investigation, Revegetation Plan, Project Reporting and Invoicing
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5. WVDEP: Gladly Fork Mining D-35-82 Bond Forfeiture \$3.0M Active Alkaline Treatment Plant;

\$3,100,000 Bid Estimate	Active Alkaline Treatment Plant - Single Train to Treat 1,000 GPM Construction Plans and Specifications Project Mapping Hydrologic Investigation	Concrete Aeration Basin Concrete Flocculator Concrete Settling Basin Concrete Sludge Thickener Concrete Geo-Tube Slab Bridge over Stonecoal Creek	Construction Inspection: Concrete testing and reporting, Compaction testing and reporting, Full Time Construction Observation and Reporting
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June 28, 2012

Mr. Dave McCoy, P.E.

Page 3 of 3

Reference: Multiple Permits Design Services, P.O. Number DEP15901

The above Projects demonstrate some of our Project-Specific and Project-Related experience, and details a "one-stop shopping" solution for the "Multiple Permits", P.O. Number DEP 15901, mapping and reclamation project. Projects outlined in our attached OSRCQQ provide more details on the above Projects as well as others completed by Stantec and our employees for the West Virginia Department of Environmental Protection AML and Special Reclamation Programs; the Ohio Department of Natural Resources AML Program; the West Virginia Conservation Agency; and others.

The Design Team will be led by Mr. Todd Lemasters, P.E. and will have necessary support personnel including CADD Operators, Staff Engineers, Survey Crews, and other support personnel to ensure the project is completed within WVDEP timeframes. In addition, Randy Calkins will serve as OSR Manager.

We are very excited about the opportunity to continue our working relationship with the West Virginia Department of Environmental Protection and look forward to providing mapping and engineering services on this most important Project. We believe no other company can meet our quality of work, which, when coupled with our experience, allows us to be more efficient and therefore very cost competitive. Our Buckhannon office is located in close proximity to the project sites; has successfully and economically completed projects near the project areas; and will respond quickly, effectively, and in the most economical way. If chosen, our primary objective will be to address OSR needs complimented by other professionals in varying fields of expertise available on an "as needed" basis from our pool of over 10,000 professionals in Surveying and Mapping, Civil and Site Engineering, Geotechnical Engineering, and Construction.

Should any questions arise, or if we can supply additional information or be of further service to you, the Purchasing Division, or the West Virginia Department of Environmental Protection, please contact me anytime at (304) 472-7140.

Respectfully Submitted,

STANTEC CONSULTING SERVICES INC.



Dennis E. Miller, Principal

Tel: (304) 472-7140

Fax: (304) 472-6239

Dennis.Miller@stantec.com

Attachment: Stantec EOI for Multiple Permits Design Services, P.O. DEP15901



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

Request for Quotation

HQ NUMBER
DEP15901

PAGE
1

ADDRESS FOR CORRESPONDENCE TO ATTENTION OF
GUY NISBET
304-558-8802

RFQ COPY

TYPE NAME/ADDRESS HERE

STANTEC CONSULTING SERVICES INC.
1 Moore Avenue
Buckhannon, WV 26201

ENVIRONMENTAL PROTECTION
DEPT. OF
OFFICE OF SPECIAL RECLAMATION
105 S. RAILROAD STREET
PHILIPPI, WV
26416-9998 304-457-3219

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
05/23/2012				

BID OPENING DATE: 06/28/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	QTY. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
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JB

906-29

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MULTIPLE PERMITS

DESIGN

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 MAPPING AND DESIGN SERVICES AT THE BOND FORFEITED PERMITS OF ENERGY MARKETING U-24-84; ROBLEE COAL CO. D-49-82 IN BARBOUR COUNTY, WEST VIRGINIA, ROBLEE COAL COMPANY O-1009-93 AND U-1001-91 IN UPSHUR COUNTY, WEST VIRGINIA; AND BUFFALO COAL CO. S-52-80 IN GRANT COUNTY, WEST VIRGINIA PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THIS CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.

ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT:
(1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE

Dennis E. Miller

TELEPHONE

(304) 472-7140

DATE

June 28, 2012

TITLE

Principal

FAX

11-2167170

ADDRESS CHANGES TO BE NOTED ABOVE

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

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

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vro/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **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, and the West Virginia Insurance Commission. 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.
 16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130.
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

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

**EXPRESSION OF INTEREST
DEP15901**

Mapping and engineering design services to assist the OSR in completing land reclamation for the forfeited permits: Energy Marketing # U-24-84; Roblee Coal Co. # D-49-82; Roblee Coal Co. # O-1009-93 & # U-1001-91; Buffalo Coal Co. S-52-80

Part I

General Information

1.1 Purpose:

The Acquisition and Contract Administration Section of the Purchasing Division (State) for the agency, the West Virginia Department of Environmental Protection (DEP), Division of Land Restoration, Office of Special Reclamation (OSR) is soliciting Expression(s) of Interest (EOI) from qualified firms to provide engineering services as defined in Section Two (2) and Three (3).

1.2 Project(s):

The mission or purpose of the project described in Sections 2 & 3 is as follows:
To provide design services to assist the OSR in completing land reclamation by compiling a Requisition(s) for Quote (RFQ) for the project listed below, which includes

Project A. Energy Marketing, Permit #U-24-84, Barbour County

Project B. Roblee Coal Co., Permit #D-49-82, Barbour County

Project C. Roblee Coal Co., Permits #O-1009-93 & #U-1001-91, Upshur County

Project D. Buffalo Coal Co., Permit #S-52-80, Grant County

1.3 Format:

All responses should be submitted in a loose leaf, three-ring binder. The response should be presented in a concise format which defines the corporate history as well as the experience, qualifications and performance data of the firm's staff as requested by the OSR Consultant Qualification Questionnaire (CQQ), Attachment "B" and the OSR Related Project Experience Matrix (RPEM), Attachment "C".

1.4 Inquiries:

Additional information regarding the submission of proposal for this EOI can be obtained by calling the following:

Guy Nisbet, Senior Buyer Ph: (304) 558-8802 Fax: (304) 558-4115
Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305-0130

Absolutely NO contact shall be made by the firm with any member of OSR or the evaluation committee. Violation of this clause may result in rejection of the bid. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

1.5 Vendor Registration:

Firms participating in this process should complete and file a Vendor Registration and Disclosure Statement (form WV-D) and remit the registration fee. A firm is not required to be a registered vendor in order to submit an EOI, but the successful bidder must register and pay the registration fee prior to the award of an actual purchase order/contract.

1.6 Oral Statements and Commitments:

Firms must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any state personnel is not binding. Only the information issued in writing and added to the EOI specifications file by an official written addendum are binding.

1.7 Economy of Preparation:

EOI's should be prepared simply and economically, providing a straightforward concise description of firm's abilities to satisfy the requirements of the EOI. Emphasis should be placed on completeness and clarity of content. Example projects referred to in a firm's EOI submittal should address projects that are similar in scope to that of the EOI. Firms must complete the CQQ and the RPEM as included in Section 4.2 of this EOI.

1.8 Labeling of EOI Sections:

The response sections should be appropriately labeled.

1.9 Submission:

1.9.1 State law requires that the original EOI shall be submitted to the State. All copies to the State must be submitted prior to the date and time stipulated on the State's official time clock to verify time and date of receipt.

1.9.2 Firms mailing EOIs must allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division CANNOT waive or excuse late receipt of an EOI which is delayed or late for any reason (West Virginia State Code §5A-3-11). Any EOI received after the bid opening time and date will be disqualified in accordance with Legislative Rule 148-CSR-1.

Submit:

One original plus three (3) convenience copies and one copy on CD to:

Purchasing Division
2019 Washington Street East
PO Box 50130
Charleston, WV 25305-0130

The outside of the envelope or package(s) should be clearly marked:

Buyer: Guy Nisbet, Senior Buyer

DEP15901

Opening date: 06/28/2012

Opening time: 1:30PM

1.10 Rejection of Expressions:

The State will select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all EOIs and to reserve the right to withdraw at any time and for any reason. Submission of, or receipt by the State, of EOIs confers no rights upon the bidder nor obligates the State in any manner.

1.11 Incurring Costs:

The State and any of its employees or officers shall not be held liable for any expenses incurred by any bidder responding to this EOI for expenses to prepare, deliver or to attend the short list interviews.

1.12 Addenda:

If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential bidders of record.

1.13 Independent Price Determination:

A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication or agreement as to any matter relating to prices with any competitor.

1.14 Price Quotations:

No "price" or "fee" quotation is permitted in the response.

1.15 Public Record:

1.15.1 Submissions are Public Record.

All documents submitted to the State related to purchase orders/contracts are considered public records after the submittals have been opened. All responses or offers submitted by firms shall become public information and are available for inspection during normal official business hours in the State Records and Distribution center after the documents have been microfilmed.

1.15.2 Written Release of Information:

All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any document. Currently, the fees are \$.50 per page or a minimum of \$10.00 per request whichever is greater.

1.15.3 Risk of Disclosure:

The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a bidder are the only exemption to the public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The State will make a reasonable effort not to disclose information that is within the guidelines of §29B-1-4 and is properly labeled "proprietary information not for public disclosure." The State does not guarantee nondisclosure of any information to the public.

1.16 Schedule of Events:

Release of EOI 05/25/2012

EOI Opening Date 06/28/2012

1.17 Mandatory Pre-Bid Conference: (Not applicable).

1.18 Bond Requirements: (Not applicable).

1.19 Purchasing Affidavit:

West Virginia State Code §5A-3-10a (3)(d) requires that all firms submit an affidavit regarding any debt owed to the State. The affidavit MUST be signed and submitted prior to award. It is preferred that the affidavit be submitted with the proposal.

1.20 Acronyms/Abbreviations:

DEP-	Department of Environmental Protection
OSR-	Office of Special Reclamation
EOI-	Expression of Interest
CQQ-	Consultant Qualification Questionnaire
RPEM-	Related Project Experience Matrix
A/E-	Architect/Engineer
NPDES-	National Pollutant Discharge Elimination System
UIC-	Underground Injection Control
TMDL-	Total Maximum Daily Load
SMCRA-	Surface Mining Control and Reclamation Act
LLS-	Licensed Land Surveyor
RPE-	Registered Professional Engineer
USACE-	US Army Corps of Engineers

Part 2**OPERATING ENVIRONMENT****2.1 Location:**

Project A. Energy Marketing, Permit #U-24-84, Barbour County
Lat. 39.1267, Long. 80.1667

Project B. Roblee Coal Co., Permit #D-49-82, Barbour County
Lat. 39.1822, Long. 80.1086

Project C. Roblee Coal Co., Permits #O-1009-93 & #U-1001-91, Upshur County
Lat. 39.0822, Long. 80.3000

Project D. Buffalo Coal Co., Permit #S-52-80, Grant County
Lat. 39.1574, Long. 79.2920

2.2 Background:

Firms are to be licensed Architectural/Engineering firm (A/E) and should be familiar with and have a successful track record of design of similar projects. The anticipated contract will be for "full-service" A/E mapping and engineering design to meet land reclamation requirements from formerly permitted mine sites. Aspects of the design are to include, but not be limited to: Civil, Geological and Hydrological.

The work involves mapping of mine permit areas, property owner boundaries, and engineering design services to assist OSR in completing land reclamation by compiling Requisition(s) for Quote (RFQ) for each project.

Preliminary design documents will be due within 60 (sixty) days from the issuance of the Purchase Order.

Part 3**PROCUREMENT SPECIFICATIONS****3.1 General Requirements:**

Firm must submit a completed OSR Consultant Qualification Questionnaire (CQQ - Attachment "B") and an OSR Related Project Experience Matrix (RPEM- Attachment "C") in Section 4

3.2 Scope of Work:

The scope of work shall include site investigation of existing features, surveying and mapping, laboratory analysis of soil or coal refuse- if needed , location of potential borrow areas either on site or near-by, subsurface investigations to determine types of soils in borrow areas for reclamation, engineering and design of the highwall elimination or pits to be reclaimed including grading plans and cross sections, erosion and sediment control plans including upgrading existing drainage controls and ponds, preparation of construction contract drawings and specifications suitable for letting of construction bids with the RFQ and bidding process. All applicable permit applications, right-of-ways, right-of entries, and approvals shall also be a part of the work to be performed. The contractor shall review and reference all work to insure compliance and general

conformity with original mine permit reclamation plans, or modifications that OSR approves to meet current industry standards.

To provide drawings, specifications, and engineering design services to prepare construction documents for the following general work items:

1. Prepare work areas by clearing and grubbing.
2. Install new and refurbish existing drainage controls and erosion protection (sediment ponds, sediment ditches, and diversions).
3. Locate, protect and/or avoid existing utility lines, poles, gas lines, etc.
4. Construct new and upgrade existing access roads, and install culverts.
5. Install mine seals, and subsurface drains.
6. Perform blasting designs and pre-blast surveys, if needed for reclamation of site.
7. Eliminate existing highwalls by backfilling and regrading with materials available onsite, or designated borrow area sites nearby.
8. Install surface water ditches where appropriate to control runoff.
9. Repair or eliminate any slip areas on partially backfilled highwalls.
10. Regrade/remove sediment ditches when not needed.
11. Reshape, and add lime amendments to any potentially toxic coal refuse piles.
12. Condition, stabilize, and revegetate disturbed land by the plan view acre, based on post-mine land use from permit files and landowners.
13. If long term water treatment is anticipated on the site, prepare and regrade areas to accommodate space for future structures or facilities.
14. Final site cleanup.

3.3 Special Terms and Conditions:

3.3.1 Bid and performance bonds: N/A

3.3.2 Insurance requirements:

- \$1,000,000 General Liability per Occurrence
- \$2,000,000 Aggregate
- \$1,000,000 Automobile Liability
- \$1,000,000 Professional Liability
- Workers Compensation Certificate upon award
- West Virginia Statutory requirements including
- West Virginia Code §23-4-2 (Mandolidis)
- DEP15901 must be list on Insurance Certificates

3.4 General Terms and Conditions:

By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

3.4.1 Conflict of Interest:

Firm, and officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect, which would conflict or compromise in any manner or degree with the performance or its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and employees concerning such interests. Any such interests discovered shall be promptly presented in detail to the Department of Environmental Protection.

3.4.2 Prohibition Against Gratuities:

Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract. For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

3.4.3 Certifications Related to Lobbying:

Firm certifies that no federal or state appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any federal or state entity, a member of congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal or state contract, the making of any federal or state grant, the making of any federal or state loan, the entering into of any cooperative agreement, and the extension, continuation, renewal amendment or modification of any federal or state contract, grant, loan, or cooperative agreement.

If any funds other than federally or state appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this federal or state contract grant, loan, or cooperative agreement, the firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontract, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

3.4.4 Vendor Relationships:

The relationship of the firm to the State will be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or

created by the parties to this contract. The firm as an independent contractor is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating any and all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

Firm shall be exclusively responsible for the payment to his/her employees and subcontractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, form and returns pertinent to all of the foregoing.

Firm shall hold harmless the State, and shall provide the State and OSR with a defense against any and all claims, including but not limited to the foregoing payments, withholdings, contributions taxes, social security taxes and employer income tax returns.

The firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership, association or entity without expressed written consent of the Department of Environmental Protection/OSR.

3.4.5 Indemnification:

The firm agrees to indemnify, defend and hold harmless the State and OSR, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials or supplies in connection with the performance of the contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the firm, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use or disposition of any data used under the contract in a manner not authorized by the contract, or by Federal or State statutes or regulations; (3) Any failure of the firm, its officers, employees or subcontractors to observe State and Federal laws, including but not limited to labor and wage laws.

3.4.6 Contract Provisions:

After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

3.4.7 Governing Laws & Compliance:

This contract shall be governed by the laws of the State of West Virginia. The firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable (Federal, State, or local Government) regulations.

3.4.8 Compliance with Laws and Regulations:

The firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the firm. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

3.4.9 Subcontracts/Joint Ventures:

The state will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State, enter into written subcontracts for performance of work under this contract, however, the firm is totally responsible for payment of all subcontractors.

3.4.10 Term of Contract:

This contract will be effective (date sent upon award) and shall extend until the scope of work is complete or for one (1) consecutive twelve (12) month period. The contract may be renewed upon mutual consent for two (2) consecutive one (1) year periods or until such reasonable time as may be necessary to obtain a new contract. Such reasonable time shall not exceed twelve (12) consecutive months.

3.4.11 Non –Appropriation of Funds:

If the Department of Environmental Protection/OSR is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Department of Environmental Protection/OSR may terminate the contract at the end of the affected current fiscal period without further charge or penalty. OSR shall give the firm written notice of such non-allocation of funds as soon as possible after OSR receives notice. No penalty shall accrue to OSR in the event this provision is exercised.

3.4.12 Contract Termination:

The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice or performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions contained in the notice, within the time period contained in the notice, the State shall issue the firm an order to cease and desist any and all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

3.4.13 Changes:

If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, OSR, and the firm. An approved contract change order is defined as one approved by the State and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGES SHALL BE IMPLEMENTED BY THE FIRM UNTIL SUCH TIME AS THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

3.4.14 Invoices, Progress Payments, & Retainage:

The firm shall submit invoices, in arrears, to the WV DEP/OSR at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the contract. Progress payments may be made at the option of the OSR on the basis of percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the work plan at which compensation would be appropriate. Progress reports must be submitted to the OSR with the invoice detailing progress completed or any deliverable identified. Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

The firm will invoice for completed work on an approved WV DEP form. If the purchase order has more than one project, a separate invoice must be provided for each project.

3.4.15 Liquidated Damages:

According to West Virginia State Code §5A-3-4(8), firm agrees that liquidated damages shall be imposed at the rate of N/A per day, for failure to provide deliverables at the agreed upon date identified in the final contract. This clause shall in no way be considered exclusive and shall not limit the State or OSR's right to pursue to any other additional remedy to which the State or OSR may have legal cause for action including further damages against the firm.

3.4.16 Record Retention (Access & Confidentiality):

Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by firm. The firm shall maintain such records a minimum of five (5) years and make available all records to OSR personnel at firm's location during normal business hours upon written request by OSR within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by OSR to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and OSR against any and all claims brought by any party attributed to actions of breach of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.

Part 4

EVALUATION & AWARD

4.1 Evaluation and Award Process:

(a) EOI will be evaluated and awarded in accordance with §5G-1-3 "Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more".

"In the procurement of architectural and engineering services for projects estimated to cost two hundred fifty thousand dollars or more, the director of purchasing shall encourage such Firms engaged in the lawful practice of the profession to submit an Expression of Interest (EOI), which shall include a statement of qualifications, and performance data, and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of Article Three, Chapter Fifty-nine of this code. A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which, in their opinion, are best qualified to perform the desired service: **Provided**, that on projects funded wholly or in part by school building authority moneys, in accordance with Sections 15 and 16, Article 9-D, Chapter 18 of this Code, two of said three firms shall have had offices within this state for a period of at least one year prior to submitting an EOI regarding a project funded by school building authority moneys. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall rank, in order of preference, no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached: **Provided, however**, that county boards of education may either elect or start the selection process over in the original order of preference or it may select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached. **Provide further**, that for any water or wastewater construction project the engineering design and construction inspection costs may not exceed the amount calculated pursuant to the compensation curves for consulting engineering services based upon project construction costs published by the American Society of Civil Engineers manual of practice, unless granted a variance by the Infrastructure and Jobs Development Council established pursuant to article 15-a, Chapter 31 of this code.

(b) Expressions of Interest submitted will be evaluated by a committee of three (3) to five (5) representatives of the agency in accordance with §5G-1-3.

The committee as stated will evaluate all submittals and by consensus select three (3) firms, in their opinion, are best qualified to perform the desired service. These selections will be based from the statements of qualifications and performance data and other material submitted by the interested firms.

The committee shall rank, in order of preference, each of the three (3) selected firms. Each of the three (3) firms shall begin with a score of one hundred.

The criteria and assigned point values are as follows:

A.	WV Registered Professional Engineers (Civil or Mining) in the primary office	20 points
B.	Reclamation Engineering/ design experience of the Primary office's WV RPE as it related to the specific project problem areas	25 points
C.	Available WV OSR Design Teams within the Primary office (A design team should consist of one Project Engineer (Civil or Mining), One CAD person and availability of other support personnel as required by the particular project)	20 points
D.	The Oral Interview (see Section 4.3 of this EOI)	35 points

- 4.2 (a) OSR Consultant Qualification Questionnaire (CQQ) must be completed to be eligible (See attachment "B").
 (b) OSR and Related Project Experience Matrix (RPEM) must also be completed to be eligible (See Attachment "C").
- 4.3 Interviews as stated in 4.1 "Evaluation and Award Process" will be conducted with the three firms selected as the most qualified by the WV DEP Selection committee. The committee will schedule the interviews.

The format for the interviews will be a 15-30 minute PowerPoint presentation consisting at a minimum, of the following:

- Corporate/personnel experience as it relates to the project or projects
- Proposed project management plan
- Key personnel available for the proposed work
- Proposed subcontractors (mapping, geotechnical, etc)
- Product quality control
- Project cost control
- Applicants should provide a working knowledge of the following rules and programs
 - WV DEP/NPDES Stormwater Regulations and BMPs
 - Federal Clean Water Act
 - Storm Water Pollution Prevention Plans (SWPPP's)
 - USACE 401 and 404 certification process
 - SMCRA
- In addition, the prospective contractor should have the following

- The ability to utilize state of the art computer programs such as Arcview, Autocadd, Sedcadd, etc to generate the required mapping, flow diagrams and other materials that may be required.
- Available resources (such as LLS, RPE, etc) to provide quality on ground survey and design work to facilitate the contract specifications
- Working knowledge of the coal mining industry, and reclamation practices.
- Familiarity and working knowledge of WV DEP/E-permitting process and the ability to conduct all applications through the e-permitting program.
- Staffing available to satisfactorily handle increased workload within specified time frame
- Ability to provide detailed weekly status reports to the assigned WVDEP representative.

Attachment "B"

14

11. OUTSIDE KEY CONSULTANTS/SUBCONSULTANTS ANTICIPATED TO BE USED. Attach OSR "Consultant Qualification Questionnaire"

NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>
NAME AND ADDRESS:	SPECIALTY:	<p>WORKED WITH BEFORE</p> <p>_____ YES</p> <p>_____ NO</p>

12. A. Is your firm experienced in Special Reclamation remediation/ Mine Reclamation Engineering?

YES Description and number of projects: _____

NO

B. Is your firm experienced in soil analysis and coal refuse analyses?

YES Description and number of projects: _____

NO

C. Is your firm experienced in hydrology and hydraulics for handling mine water discharges on mining sites?

YES Description and number of projects: _____

NO

D. Does your firm produce its own aerial photography and development of contour mapping?

YES Description and number of projects: _____

NO

E. Is your firm experienced in design of highwall elimination, grading and material handling plans for land reclamation?

YES Description and Number of Projects: _____

NO

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
Brief explanation of responsibilities		
<hr/>		
<hr/>		
<hr/>		
EDUCATION (Degree, year, specialization)		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, year, state)
13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR PROJECT DESIGN (Furnish complete date but keep to essentials)		
NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE
Brief explanation of responsibilities		
<hr/>		
<hr/>		
<hr/>		
EDUCATION (Degree, year, specialization)		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS		REGISTRATION (Type, year, state)

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

NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE

Brief explanation of responsibilities

EDUCATION (Degree, year, specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, year, state)

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

NAME & TITLE (Last, First, MI)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE	YEARS OF OSR RELATED DESIGN EXPERIENCE

Brief explanation of responsibilities

EDUCATION (Degree, year, specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, year, state)

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
TOTAL NUMBER OF PROJECTS:		TOTAL ESTIMATED CONSTRUCTION COSTS: \$		

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUBCONSULTANT TO OTHERS					
PROJECT NAME, TYPE & LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME & ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY

17. COMPLETED WORK WITH IN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD				
PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK WHICH YOUR FIRM WAS RESPONSIBLE)

PROJECT NAME, TYPE & LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH

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 Office of Special Reclamation.

20. The foregoing is a statement of facts

Signature: _____ Title: _____

Date: _____

Printed Name: _____

[illegible]

Attachment "C"

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §6A-5-10a 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.

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: STANTEC CONSULTING SERVICES INC.

Authorized Signature: [Signature] Date: June 28, 2012

Dennis E. Miller, Principal

State of West Virginia

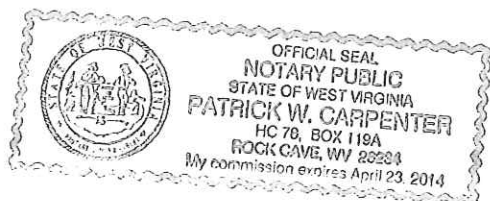
County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 28 day of June, 2012.

My Commission expires April 23, 2014.

APTEX SEAL HERE

NOTARY PUBLIC [Signature]





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

Request for Quotation

RFQ NUMBER

DEP15901

PAGE

1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

GUY NISBET

304-558-8802

RFQ COPY

TYPE NAME/ADDRESS HERE

STANTEC CONSULTING SERVICES INC.
1 Moore Avenue
Buckhannon, WV 26201

ENVIRONMENTAL PROTECTION
DEPT. OF
OFFICE OF SPECIAL RECLAMATION
105 S. RAILROAD STREET
PHILIPPI, WV
26416-9998 304-457-3219

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2012				

BID OPENING DATE: 06/28/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
ADDENDUM ISSUED FOR THE EOI TO REPLACE THE ATTACHMENTS SCHEDULE-B & C (AML) THAT WAS ATTACHED TO THE BULLETIN WEBSITE WITH THE CORRECT SCHEDULE-B & C (OSR).						
TO ADD: ADDENDUM ACKNOWLEDGEMENT.						
NO CHANGE IN BID OPENING DATE, REMAINS: 06/28/2012 AT 1:30PM						
NO OTHER CHANGES.						
END OF ADDENDUM NO. 1						
EXHIBIT 10						
REQUISITION NO.: DEP15901						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1 . . . DEM . . .						
NO. 2 . . . DEM . . .						
NO. 3						
NO. 4						

Dennis E. Miller

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE

TELEPHONE

(304) 472-7140

DATE

June 28, 2012

TITLE

Principal

FEIN

11-2167170

ADDRESS CHANGES TO BE NOTED ABOVE

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

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

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **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, and the West Virginia Insurance Commission. 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.
 16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



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

Request for Quotation

REQ NUMBER
DEP15901

PAGE 2

ADDRESS CORRESPONDENCE TO ATTENTION OF

GUY NISBET
304-558-8802

RFO COPY

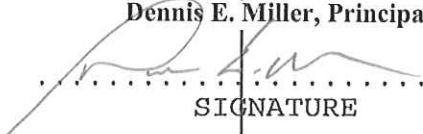
TYPE NAME/ADDRESS HERE

STANTEC CONSULTING SERVICES INC.
1 Moore Avenue
Buckhannon, WV 26201

ENVIRONMENTAL PROTECTION
DEPT. OF
OFFICE OF SPECIAL RECLAMATION
105 S. RAILROAD STREET
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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2012				

BID OPENING DATE:	06/28/2012	BID OPENING TIME	01:30PM
-------------------	------------	------------------	---------

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
NO. 5						
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: right;">Dennis E. Miller, Principal</p> <p style="text-align: right;">  SIGNATURE </p> <p style="text-align: right;"> STANTEC CONSULTING SERVICES INC. COMPANY </p> <p style="text-align: right;"> June 28, 2012 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009</p>						
001	1	JB		906-29		
				DESIGN		

Dennis E. Miller

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE

TELEPHONE

(304) 472-7140

DATE _____

June 28, 2012

TITLE

Principal

FEIN

11-2167170

ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

HFQ NUMBER
DEP15901

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF
GUY NISBET
304-558-8802

RFQ COPY
TYPE NAME/ADDRESS HERE

STANTEC CONSULTING SERVICES INC.
1 Moore Avenue
Buckhannon, WV 26201

ENVIRONMENTAL PROTECTION
DEPT. OF
OFFICE OF SPECIAL RECLAMATION
105 S. RAILROAD STREET
PHILIPPI, WV
26416-9998 304-457-3219

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/04/2012				

BID OPENING DATE:	06/28/2012	BID OPENING TIME	01:30PM
-------------------	------------	------------------	---------

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ DEP15901 ***** TOTAL: _____						

Dennis E. Miller

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE

TELEPHONE

(304) 472-7140

DATE

June 28, 2012

TITLE

Principal

FEIN

11-2167170

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PHILIPPI, WV
26416-9998 304-457-3219

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/06/2012				

BID OPENING DATE: 06/28/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 2		
				ADDENDUM FOR THE "EOI" TO DISTRIBUTE ADDITIONAL TERMS AND CONDITIONS PER THE ATTACHED.		
				BID OPENING REMAINS: 06/28/2012 AT 1:30PM.		
				NO OTHER CHANGES.		
				END OF ADDENDUM NO. 2		
0001	1	JB		906-29		
				DESIGN		
				MULTIPLE PERMITS		
				***** THIS IS THE END OF RFQ DEP15901 ***** TOTAL:		

Dennis E. Miller		SEE REVERSE SIDE FOR TERMS AND CONDITIONS	
SIGNATURE	TELEPHONE (304) 472-7140	DATE June 28, 2012	
TITLE Principal	FEIN 11-2167170	ADDRESS CHANGES TO BE NOTED ABOVE	

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

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

1. Awards will be made in the best interest of the State of West Virginia.
 2. The State may accept or reject in part, or in whole, any bid.
 3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
 5. Payment may only be made after the delivery and acceptance of goods or services.
 6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
 7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
 10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
 12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
 13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **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, and the West Virginia Insurance Commission. 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.
 16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.
- I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

DEP15901
ADDENDUM NO. 2

ADDITIONAL TERMS AND CONDITIONS

Various Legislative acts passed in the 2012 session require inclusion of certain provisions in all state contracts. Accordingly, this addendum will add the three provisions listed below to the solicitation and resulting contract entered into between the State of West Virginia and the vendor. In the event that the solicitation is not for construction or architectural/engineering work, sections 2 and 3 below will not apply.

1. **BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services may require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

2. **SUBCONTRACTOR LIST SUBMISSION:** In accordance with W. Va. Code § 5-22-1, The apparent low bidder on a contract for the construction, alteration, decoration, painting or improvement of a new or existing building or structure valued at more than \$500,000.00 shall submit a list of all subcontractors who will perform more than \$25,000.00 of work on the project including labor and materials. This provision shall not apply to any other construction projects, such as highway, mine reclamation, water or sewer projects.

a. **Required Information.** The subcontractor list shall contain the following information:

- i. Bidder's name
- ii. Name of each subcontractor
- iii. License numbers as required by W. Va. Code § 21-11-1 et. seq.

iv. Notation that no subcontractors will be used if the bidder will perform the work

b. **Submission.** The completed subcontractor list shall be provided to the Purchasing Division within one business day of the opening of bids for review. Failure to submit the subcontractor list within one business day after the deadline for submitting bids shall result in disqualification of the bid.

c. **Substitution of Subcontractor.** Written approval must be obtained from the Purchasing Division before any subcontractor substitution is permitted. Substitutions are not permitted unless:

- i. The subcontractor listed in the original bid has filed for bankruptcy;
- ii. The subcontractor in the original bid has been debarred or suspended; or
- iii. The contractor certifies in writing that the subcontractor listed in the original bill fails, is unable, or refuses to perform his subcontract.

3. **GREEN BUILDINGS MINIMUM ENERGY STANDARDS:** In accordance with § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: *Provided*, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.


**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OSR CONSULTANT QUALIFICATION QUESTIONNAIRE**

Attachment "B"

PROJECT NAME: **DEP 15901**
Multiple Permits Design Services

DATE (DAY, MONTH, YEAR)
28 June 2012

FEIN
11-2167170

1. FIRM NAME
 **Stantec Consulting Inc.**

2. HOME OFFICE BUSINESS ADDRESS
10160-112 Street,
Edmonton, Alberta, Canada, T5K 216

3. FORMER FIRM NAME
R.D. Zande & Associates, Inc.
1 Moore Avenue
Buckhannon, WV 26201

4. REGIONAL OFFICE TELEPHONE
304-472-7140

5. ESTABLISHED (YEAR)
1954

6. TYPE OWNERSHIP
_ Individual ☒ Corporation
_ Partnership _ Joint-Venture

6a. WV REGISTERED DBE
_ YES ☒ NO

7. PRESENT OFFICES: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. PERSONNEL EACH OFFICE

7a. Total Personnel **9,631** as of 05/31/2010

Edmonton Stantec, 2 AB	221	Sacramento Venture Oaks, CA	57	Jeffersonville, IN	14	Rochelle Park, NJ	56	Sylvania, OH	3	Philadelphia, PA	81
Calgary 25th St, AB	659	San Francisco, CA	61	Louisville, KY	68	Mount Laurel, NJ	35	Toledo, OH	11	Plymouth Meeting, PA	24
Calgary 8th Ave, AB	280	Walnut Creek, CA	35	Lexington, KY	138	Toms River, NJ	6	Uniontown, OH	3	Charlottetown, PE	20
Fort McMurray, AB	7	Los Angeles, CA	20	Boston, MA	42	Happy Valley-Goosebay, NL	6	Barrie, ON	11	Guaynabo, PR	17
Lethbridge, AB	35	Los Gatos, CA	13	Westford, MA	38	St. John's Torbay Rd, NL	91	Bracebridge, ON	2	Montreal, QC	45
Edmonton Stantec Centre, AB	1032	Modesto, CA	10	Northampton, MA	13	St. John's Logy Bay Rd, NL	14	Burlington, ON	35	Charleston, SC	28
Red Deer, AB	152	Moreno Valley, CA	4	Winnipeg Broadway Ave, MB	22	Antigonish, NS	6	Hamilton, ON	57	Georgetown, SC	1
Chelsea, AL	5	Palm Desert, CA	2	Winnipeg, MB	171	Dartmouth Highfield Park Dr, NS	365	Kitchener, ON	287	Regina Rose St, SK	187
Phoenix, AZ	151	Petaluma, CA	42	Winnipeg Taylor Ave, MB	21	Sydney 222 George St, NS	25	Markham Cochrane Dr, ON	248	Saskatoon, SK	110
Tempe, AZ	52	Redlands, CA	21	Presque Isle, ME	7	Dartmouth Wyse Rd, NS	26	Ottawa Lancaster Rd, ON	97	Nashville, TN	33
Tucson AZ	51	Sacramento J St, CA	43	Scarborough, ME	97	Yellowknife 49th St, NT	5	Ottawa Laperriere Ave, ON	158	Arlington, TX	6
Abbotsford, BC	32	San Diego, CA	38	Topsham, ME	67	Las Vegas, NV	11	Peterborough, ON	2	Dallas, TX	18
Burnaby, BC	102	San Luis Obispo, CA	11	Portland, ME	34	Reno, NV	27	Guelph, ON	62	Fort Worth, TX	16
Kamloops, BC	19	Thousand Oaks, CA	40	Ann Arbor, MI	44	Albany, NY	78	London, ON	64	Houston, TX	11
Kelowna, BC	57	Fort Collins, CO	17	Farmington Hills, MI	16	Binghamton, NY	37	Markham Warden Ave, ON	15	Midland, TX	6
Sidney, BC	42	Denver, CO	81	Okemos, MI	39	Hauppauge, NY	64	Mississauga, ON	57	Salt Lake City, UT	71
Surrey, BC	57	Hamden, CT	19	White Bear Lake, MN	15	New York City, NY	21	North Bay, ON	93	Alexandria, VA	2
Vancouver, BC	393	Hartford, CT	8	St Louis, MO	13	New York, NY	166	Sudbury Regent St, ON	78	Leesburg, VA	10
Victoria, BC	75	Tampa, FL	6	Fredericton Prospect St, NB	209	Newburgh, NY	3	Toronto Queen's Quay, ON	11	North Springfield, VT	33
Black Rock, BD	19	Sarasota, FL	30	Fredericton Woodstock Rd, NB	68	Rochester 2060, NY	44	Toronto Wellington, ON	258	South Burlington, VT	44
Bakersfield, CA	8	Atlanta, GA	8	Moncton, NB	25	Rochester 2250 BHT, NY	80	Windsor, ON	60	Seattle, WA	21
Fresno, CA	8	Norcross, GA	4	Saint John, NB	57	Tonawanda, NY	7	Portland, OR	52	Redmond, WA	47
Irvine, CA	89	Macon, GA	16	Charlotte, NC	23	Columbus Dublin Rd, OH	14	Tualatin, OR	13	BUCKHANNON, WV	31
Lafayette, CA	17	Springfield, IL	8	Winston-Salem, NC	15	Logan, OH	10	Pittsburgh, PA	11	R. CALKINS, OSR ADMIN.	
Lakewood, CA	14	Lombard, IL	25	Raleigh, NC	62	Cincinnati, OH	65	West Chester, PA	52	1 Moore Ave.	
Rancho Cordova, CA	81	Indianapolis, IN	13	Auburn, NH	34	Columbus Lake Shore Dr., OH	123	Panama City, PA	6	Buckhannon, WV 26201	
										Stantec Total	9631

8. NAMES OF PRINCIPAL OFFICIALS OR MEMBERS OF FIRM

Robert Gomes – President & CEO
Rich Allen – Senior Vice President & COO
Dan Lefavre – Senior Vice President & CFO
Matt B. Tin – Vice President, Great Lakes Region

8a. NAME, TITLE & TELEPHONE NUMBER – OTHER PRINCIPALS

Ronald Triffo – Chairman Stantec Inc.
Robert J. Bradshaw – Corporate Director
Paul Cellucci – Corporate Director
Anthony P. Franceschini – Corporate Director

Susan E. Hartman – President Hartman Group.
Aram H. Keith – Corporate Director
Ivor M. Ruste – Executive Vice President

9. Personnel by Discipline: (List each person only once, by primary function.) **Bold Lettering Indicates Design Team Members**

1,563 Administrative	17 Ecologist	1 Hydraulic Engineer	333 Project Manager
35 Archeologist	2 Economist	22 Hydrologist	1 Sanitary Engineer
308 Architect	298 Electrical Engineer	95 Interior Designer	274 Structural Engineer
52 Biologist	450 Environmental Engineer	114 Landscape Architect	223 Surveyor
549 CADD Technician	354 Environmental Scientist	342 Mechanical Engineer	532 Technician / Analyst
37 Chemical Engineer	71 Foundation/Geotechnical Engineer	29 Mining Engineer	2 Toxicologist
319 Civil Engineer	62 Geographic Info. System Specialist	55 Planner: Urban / Regional	329 Transportation Engineer
96 Construction Inspector	189 Geologist	11 Process Engineer / Designer	43 Water Resources Engineer
43 Construction Manager	- Geotechnical Engineer	49 Professional Land Surveyor	2,729 Other
			9,631 TOTAL PERSONNEL

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: **1**

10 HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? ☐ YES ☐ NO

11.	OUTSIDE KEY CONSULTANTS / SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach OSR "Consultant Qualification Questionnaire".	
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
Novel Geo-Environmental, PLLC 806 B Street St. Albans, West Virginia 25177	Subsurface drilling investigation-geotechnical engineering – soil, rock, coal physical property testing	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
Sturm Environmental Services P.O. Box 650 Bridgeport, WV 26330	Chemical analysis of soil, rock, and coal	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
KEDDAL AERIAL MAPPING 1121 Boyce Road - Suite 3100 Pittsburgh, PA 15241	Aerial Photography Developing mapping from aerial photography	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
		<input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
		<input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
		<input type="checkbox"/> YES <input type="checkbox"/> NO
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE:
		<input type="checkbox"/> YES <input type="checkbox"/> NO

12.	A.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in Special Reclamation remediation / Mine Reclamation Engineering? Description and Number of Projects: Corporate Experience: Forty (48) Projects	
<p>Stantec has successfully completed forty (40) AML Reclamation projects. See Sheets 4 through 10 for a detailed listing of the projects, including the tasks involved with each project.</p>				
<hr/>				
	B.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in Soil Analysis and coal refuse analysis? Description and Number of Projects: Corporate Experience: Over 50, including Thirty Three (33) AML and AML Related Projects.	
<p>Stantec has successfully completed over 50 projects requiring soil analysis to develop lime and fertilization recommendations for vigorous vegetation growth. In addition, Stantec has completed Thirty Three (33) AML and AML projects, some of which required refuse analysis and neutralization recommendations. See Sheet 12 for a detailed listing of the AML and related projects, including the tasks involved with each project.</p>				
<hr/>				
	C.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in Hydrology and Hydraulics for handling mine water discharges on mining sites? Description and Number of Projects: Corporate Experience: Seventy Six (76), including Forty Eight (48) AML and AML Related Projects	
<p>Stantec has successfully completed ninety five (95) hydrology and hydraulics projects, including studies associated with bridges, box culverts, pipes, ditches, and sediment and other ponds. In addition, Stantec has completed forty eight (48) AML and AML Related Hydrology and Hydraulics projects including handling of surface and sub-surface mine water discharges. See Sheets 4 through 10 and Sheet 13 for a detailed listing of the projects, including the tasks involved with each of the AML and AML related projects.</p>				
<hr/>				
	D.	<input checked="checked" type="checkbox"/> Yes <input checked="checked" type="checkbox"/> No	Does your firm produce its own Aerial Photography and Develop Contour Mapping? Description and Number of Projects: Corporate Experience: One Hundred Twenty Three (123), including One Hundred Eight (108) AML and AML Related Projects	
<p>Stantec subcontracts development of aerial photography to Aerocon Photogrammetric Services and has successfully set aerial photographic control points on numerous engineering projects by GPS and Conventional Surveying techniques. Stantec has also developed topographic and planimetric maps from GPS and Conventional Surveying techniques and supplemented topographic and planimetric features on mapping developed by aerial mapping firms. In addition, Stantec has completed one hundred eight (108) AML and AML related mapping projects. Stantec has supplied Aerial Mapping for the North and South AML Mapping Contracts from 2008 to 2011; and has been re-awarded the (2011) South Mapping Contract. See Sheets 4 through 10 and Sheet 14 for a detailed listing of the AML and AML related projects, including the tasks involved with each project.</p>				
<hr/>				
	E.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in design of highwall elimination, grading, and material handling plans for land reclamation? Description and Number of Projects: Corporate Experience: Forty Eight (48) AML Projects And two (2) recent surface mine applications. Employee Experience: Thirty One (31) SOAP Applications.	
<p>Stantec has successfully completed forty (40) AML Reclamation projects and two (2) recent mine applications. See Sheets 4 through 10 for a detailed listing of the projects, including the tasks involved with each project. Stantec employee experience includes 31 SOAP surface and deep mine applications. All of these projects involved highwall elimination, grading and material handling plans.</p>				

12.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering? Description and Number of Projects: Corporate Experience Forty Eight (48) Projects
CORPORATE EXPERIENCE:		
1. <i>Tub Run Highwall and Refuse Phase II:</i>	Reclamation design with 307,000 Cubic Yards of Excavation, Four (4) Wet Mine Seals; 9,500 l.ft. Access Road; 65,000 l. ft. Sediment Control; 11,400 l.ft. of Ditches; and 114 acres of Revegetation; Topographic Surveying; Generation of Construction Mapping; Soil and Refuse Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Dewatering and AMD Treatment Plan; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
2. <i>Tub Run Highwall and Refuse Phase I:</i>	Reclamation design with 265,000 Cubic Yards of Excavation, 8,500 l.ft. Access Road; 46,000 l. ft. Sediment Control; 9,900 l.ft. of Ditches; 4 Pipes; 8 ft. by 8 ft. Box Culvert; and 74 acres of Revegetation; Topographic Surveying; Generation of Construction Mapping; Soil and Refuse Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Dewatering and AMD Treatment Plan; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
3. <i>Town of Newburg Waterline Extension Feasibility Study, I.D. No. 392:</i>	8.0 Mile Waterline Extension Feasibility Study – I.D. No. 392, involving 96 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; and Initial On-Site Meeting. Engineering cost proposal approved and awaiting a purchase order and “Notice to Proceed”.	
4. <i>Webster County Point Mountain Waterline Extension Feasibility Study:</i>	15.0 Mile Waterline Extension Feasibility Study – I.D. No. 384, involving 103 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; and Initial On-Site Meeting, Preliminary Report, Monthly Reports, and Invoicing.	
5. <i>Greenbrier Hollow Refuse:</i>	Reclamation design of coal refuse pile with 51,000 Cubic Yards of Excavation, two (2) wet mine seals; 4,300 l.ft. Sediment Control; 1,015 l.ft. of Ditches; 5 Pipes; and 8 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
6. <i>Sauls Run (Carpenter) Landslide:</i>	Mitigation of a landslide behind the Carpenter House with 40,000 Cubic Yards of Excavation, 2,500 l.ft. Sediment Control; 610 l.ft. of Ditches; 3 Pipes; 1 Manhole; Subsurface Drain; and 7 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
7. <i>Pageton (Lambert) Portals:</i>	Reclamation design of coal refuse pile with 51,000 Cubic Yards of Excavation, twenty four (24) wet mine seals; 13,700 l.ft. Sediment Control; 1,600 l.ft. of Ditches; 1 Pipe; Streambank Protection; and 24 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
8. <i>WVDEP Mapping Contract –South Region (2011-2014):</i>	Seventeen (17) sites mapped totaling 1,800 acres. Set horizontal and vertical control for and developed aerial mapping for the sites. Set baselines for Engineering Design and Construction on all sites and provided topographic and planimetric survey for features not shown by aerial photography. Visited all sites with DEP, attended project meetings, provided weekly/monthly updates, and invoicing	

12.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering? Description and Number of Projects: Corporate Experience Forty Eight (48) Projects
CORPORATE EXPERIENCE:		
9. <i>Birds Creek Number Four:</i>	Reclamation design with 35,000 Cubic Yards of Excavation, eight (8) wet mine seals including five (5) bat gate designs; and 18 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
10. <i>Bergoo Waterline Extension Feasibility Study, I.D. No. 351:</i>	12.0 Mile Waterline Extension Feasibility Study – I.D. No. 351, involving 350 to 400 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	
11. <i>Lewis County EDA Waterline Extension Feasibility Study, I.D. No. 374:</i>	15.2 Mile Waterline Extension Feasibility Study – I.D. No. 374, involving 110 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; and Initial On-Site Meeting, Preliminary Report, Monthly Reports, and Invoicing.	
12. <i>Scott Road and Findley Road Waterline Extension Feasibility Study, I.D. No. 356:</i>	1.5 Mile Waterline Extension Feasibility Study – I.D. No. 356, involving 7 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	
13. <i>WVDEP Mapping Contract –South Region (2008-2011):</i>	Fifty One (51) sites mapped totaling 4,100 acres. Set horizontal and vertical control for and developed aerial mapping for the sites. Set baselines for Engineering Design and Construction on all sites and provided topographic and planimetric survey for features not shown by aerial photography. Visited all sites with DEP, attended project meetings, provided weekly/monthly updates, and invoicing.	
14. <i>WVDEP Mapping Contract –North Region (2008-2011):</i>	Thirty four (34) sites mapped totaling 4,800 acres. Set horizontal and vertical control for and developed aerial mapping for the sites. Set baselines for Engineering Design and Construction on all sites and provided topographic and planimetric survey for features not shown by aerial photography. Visited all sites with DEP, attended project meetings, provided weekly/monthly updates, and invoicing.	
15. <i>Church Creek/Manown Highwall:</i>	Reclamation design of four (4) sites with 11,800 linear feet of highwall with 220,000 Cubic Yards of Excavation, twenty three (23) wet mine seals including two (2) bat gate designs; and 85 acres of revegetation; Topographic Surveying; Subsurface and Geological Investigation (nine (9) piezometers installed); Generation of Construction Mapping; Water, Soil, and Refuse Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
16. <i>Racine (Bradshaw) Portals:</i>	Reclamation design of six (6) sites with 2,500 Cubic Yards of Excavation, sixteen (16) wet mine seals including eight (8) bat gate designs; and 5 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
17. <i>Hampton Number Four Maintenance:</i>	Reclamation design of a failed refuse fill approximately 600 feet high (in elevation). The site consists of one (1) slip area and an erosion channel up to 40-feet deep in some areas that traverses the centermost portion of the fill area. Acid mine drainage seeps (field pH = 2.5 S.U.) impacts Spruce Laurel Fork, a high quality trout stream. The 16 acre site required 25,000 cubic yards of earthwork, 2,700 linear foot of ditches, a bridge upgrade to handle construction loads, and upgrading existing access roads. Topographic Surveying; Subsurface Geological Investigation; Surface and Groundwater Testing and Reporting; Generation of Construction Mapping; Hydrologic and Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	

12.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering? Description and Number of Projects: Corporate Experience Forty Eight (48) Projects
CORPORATE EXPERIENCE:		
18. <i>Howesville Sites:</i>	Reclamation design of two (2) sites with 4,000 linear feet of highwall with 63,000 Cubic Yards of Excavation, fifteen (15) wet mine seals including four (4) bat gate designs; and 52 acres of revegetation; Topographic Surveying of 67 acres; Subsurface and Geological Investigation (five (5) piezometers installed); Generation of Construction Mapping; Water, Soil, and Refuse Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
19. <i>Sandy Run Highwall and Portals:</i>	Reclamation design of 1,850 linear feet of highwall with 47,200 Cubic yards of Excavation, five (5) wet mine seals; and 15 acres of revegetation. Topographic Surveying of 22 acres; Subsurface and Geological Investigation (three (3) piezometers installed); Generation of Construction Mapping; Water, Soil, and Refuse Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
20. <i>Wilsie-Rosedale, Sugar Creek PSD Waterline Feasibility Study I.D. No. 324:</i>	17.0 Mile Waterline Extension Feasibility Study – I.D. No. 324, involving 175 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	
21. <i>Laurel Valley (Daniels) Landslide Emergency AML Project:</i>	Reclamation design of a 4.0 acre landslide from an abandoned surface mine resting against the Daniels house; 13,000 yards of earthwork; Geotechnical Subsurface Investigation; Existing and Proposed Slope Stability Analysis; Hydrologic and Hydraulic Studies for ditches and culverts; Sediment Control; Revegetation Design. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
22. <i>Price Hill Airshaft/Buildings (Price Hill Complex):</i>	Reclamation design of a 1.5 acre abandoned deep mine shaft site; 1,300 yards of earthwork; suspected vertical mine shaft investigation and sealing (if present); capping another vertical mine shaft with ability to discharge up to 12 cfs of mine water; demolishing several concrete and cut stone ruins; garbage removal, stockpiling and burying on-site refuse. Subsurface Investigation for seating of caps; mine water testing; Hydrologic and Hydraulic Studies for ditches and existing culverts; Sediment Control; Revegetation Design. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
23. & 24. <i>Weaver Portals and Highwall, Phases I and II:</i>	Reclamation design of 4,200 linear feet of highwall with 97,000 yards of earthwork; twenty (20) wet mine seals; six AMD treatment limestone beds with “Aluminators”, and 35 acres of revegetation. Topographic Surveying; Subsurface Geological Investigation (six (6) piezometers installed); Surface and Groundwater Testing and Reporting; Soil and Refuse Testing, Supplement and Generation of Mapping; Hydrologic and Hydraulic Studies and design for twenty five (25) Ditches and ten (10) Pipes; Sediment Control Design; Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	
25. <i>Old Bridgeport Hill Mine Drainage, Phase II:</i>	Reclamation design including four (4) Wet Mine Seals and Drainage Facilities to capture and convey mine drainage around businesses and residents along a half-mile stretch of Old Bridgeport Hill Road. Topographic Surveying; Subsurface Geological Investigation (Piezometer Installation); Surface and Ground Water Testing and Reporting; Generation of Mapping; Reclamation Design with earthwork quantities; Design and Hydrologic and Hydraulic Studies for nine (9) Ditches, eight (8) Pipes, one (1) Subsurface Drain, and four (4) Inlets; Sediment Control Design; Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	

12. Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering?

☒ Yes

No

Description and Number of Projects: Corporate Experience Forty Eight (48) Projects

CORPORATE EXPERIENCE:

26. Nixon Run AMD:	The site consists of one (1) open portal into the abandoned Consol 32 Mine that is discharging acid mine drainage (AMD). Preliminary average estimates of AMD flow from the open portal is 235 gallons per minute exhibiting a pH of 3.2 with acidity concentrations around 150 mg/l, iron concentrations around 11 mg/l, aluminum concentrations around 8 mg/l, and manganese concentrations less than 2 mg/l. Topographic Surveying; Subsurface Geological Investigation (Piezometer Installation); Surface and Ground Water Testing and Reporting; Generation of Mapping; Reclamation Design with earthwork quantities; Design and Hydrologic and Hydraulic Studies for nine 905 L.Ft. Ditches, four (4) Pipes, one (1) Subsurface Drain, Sediment Control Design; and Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.
27. Arlington (Cox) Drainage:	Reclamation design to alleviate ground water impacts to the Cox Residence involving Two (2) Wet Mine Seals; Hydrologic and Hydraulic Studies and design for 198 feet of Subsurface Drains, two (2) Ditches, and one (1) Pipe; Mine Dewatering and AMD Treatment Plan; Sediment Control Plan; and Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.
28. James and Amanda Taylor Waterline Feasibility Study I.D. No. 309:	1.0 Mile Waterline Extension Feasibility Study – I.D. No. 309, involving ten (10) Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.
29. Gladly Fork Mining, Inc. (Permit D-35-82) Bond Forfeiture:	Active AMD Treatment Facility – Involved the design of a \$3,000,000.00 AMD plant design that incorporated a single treatment train capable of handling 1,000 gallons per minute of alkaline mine drainage with 15 ppm of total iron and included necessary piping and seating for a second treatment train if future needs arise. The project also involved relining existing boreholes to eliminate mine discharge interruptions, design and construction of 2,500 linear feet of gravity fed plant intake line from the boreholes to the plant site, and an active chemical treatment plant. The treatment plant included an aeration basin (concrete), flocculator (concrete), chemical feed building, settling basin (concrete), sludge thickener (concrete), and geo-tube sludge disposal system with overflow catchment and re-treatment capabilities.
30. Poplar Ridge / Morrison Ridge Waterline Feasibility Study – I.D. No. 298:	Waterline Extension Feasibility Study – I.D. No. 298, involving 21 Residences. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water; On-Site Meeting and interviews, Monthly Reports, and Invoicing.



NIXON RUN AMD:
Wet Mine Seal outlet pipes and receiving ditch.



PRICE HILL AIRSHAFT AND BUILDINGS:
Vertical mine shaft sealing in progress.

12. Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering?

☒ Yes
☐ No

Description and Number of Projects: Corporate Experience Forty Eight (48) Projects

CORPORATE EXPERIENCE:

31. <i>Summit Park PSD Waterline Feasibility Study – I.D. No. 288:</i>	2.75 Mile Waterline Extension Feasibility Study – I.D. No. 288, involving 167 Residences and Businesses. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation; Soil Sampling; Project Mapping; Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Executive Summary, Monthly Reports, and Invoicing.
32. <i>Murray City AMD and Art Project:</i>	Reclamation design for abandoned portals discharging Acid Mine Drainage. Topographical Surveying; Mapping; Subsurface Investigation (Piezometer Installation and Soils Testing); Passive Acid Mine Drainage Treatment System including two (2) SAPS, two (2) Precipitate Ponds, One (1) Flush Pond, Mine Pool Stabilization Pond and Overflow Treatment Pond; Design and Hydrologic and Hydraulic Studies for Construction in Floodway (Local Flood Plain Coordination and Permit), thirteen (13) Ditches and six (6) Spillways; Design of a Wet Mine Seal; Incorporation of Art Component to Satisfy Funding; Interim Grading Plan to allow relocation of a high pressure gas line; Sediment Control Plan; Revegetation Design; Environmental Permits; Construction Plans and Specifications; Calculation Brief with Quantity Calculations; Engineers Cost Estimate; Initial On-Site, 50%, 90%, Check Set, and Final Design Meetings; Monthly Reports and Invoicing.
33. <i>Nutters Tipple D-716:</i>	Reclamation design of a 7.2 Acre Bond Forfeiture Coal Tipple Site; Surveying; Geotechnical (Slope Stability) Investigation; Coal Analysis; HazMat Materials (2 UST's, 8 AST's, R-R Ties, 55-Gallon Drums, Refrigerators, Stained Soil); Debris Removal Plan; Design and Hydrologic and Hydraulic Studies for Subsurface Drain; two (2) Ditches, and a Channel Design; Sediment Control Plan; Revegetation Plan; Calculation Brief with Quantity Computations; Engineers Cost Estimate; Construction Plans and Specifications; Initial, 50%, 90%, Final Design Meetings; Monthly Reports and Invoicing.
34. <i>Hodgesville PSD Waterline Feasibility Study – I.D. No. 275:</i>	1.2 Mile Waterline Extension Feasibility Study – I.D. No. 275, involving Seventeen (17) Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.
35. <i>McElwain Waterline Feasibility Study – I.D. No. 271:</i>	0.64 Mile Waterline Extension Feasibility Study – I.D. No. 271, involving One (1) Resident. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.



TUNNELTON (DILLSWORTH) LANDSLIDE
Gabion Basket Wall Installation behind Dillsworth Residence



SAULS RUN STRIP AND LANDSLIDE
AML related slip threatening residences along Sauls Run

12.	Cont.)	Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering?				
	<input checked="" type="checkbox"/> Yes	Description and Number of Projects: Corporate Experience: Forty Eight (48) Projects				
	<input type="checkbox"/> No					
36. Fairmont (Hendrickson) Subsidence:	Subsidence investigation of Hendrickson Residence involving Geologic Subsurface Investigation; review and compilation of three previous reports; Field Surveying; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Structure and Support Area Mitigation Alternatives; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.					
37. Flint Run East Acid Mine Drainage Reclamation:	Phase I Reclamation design of a 171-Acre Coal Refuse Area, design reclamation of spoil piles, treatment and discharge plan for ponds and lakes filled with AMD, passive AMD treatment design, including a SAPS, Wetland, Limestone Bed, Steel Slag Leach Beds, and Open Limestone Channels. GPS, Topographic Surveying; supplement of available aerial mapping; Design and Hydrologic and Hydraulic Studies for four (4) Channels, three (3) Ditches, and seven (7) Spillways, Design of eight (8) Impoundments (Three Flush Ponds, Sediment Pond, SAPS Pond, Fresh Water Pond, and Steel Slag Pond); Soil and refuse Testing Sediment Control Design; Revegetation Design; Environmental Permits; Construction Plans and Specifications, Calculation Brief with Quantity Calculations; Engineers Cost Estimate; Initial On-Site, 50%, 90%, Check Set, and Final Design Meetings; Monthly Reports and Invoicing.					
38. Danehart Acid Mine Drainage Reclamation:	Reclamation design on a 2.0 Acre Slope Failure Five (5) Feet from a Residence; Surveying (Property and Topographic); Geotechnical (Slope Failure) Investigation; Surface and Ground Water Testing; Mapping; Reclamation Design with Pier and Lag Retaining Wall Design; Design and Hydrologic and Hydraulic Studies for a Ditch, a Subsurface Drain, Culvert Design; Sediment Control Plan; Revegetation Plan; Calculation Brief with Quantity Computations; Engineers Cost Estimate; Construction Plans and Specifications; Initial, 50%, 90%, Check Set, and Final Design Meetings; Monthly Reports and Invoicing.					
39. Midvale Coal Number 7:	35 Acre Coal Tipple and Coal Refuse Disposal Fill Area; GPS and Topographic Surveying; Subsurface Investigation; Coal Analysis; Soil Borrow Analysis; HazMat Investigation (PCB's, Drums, Pails, Stained Soils); Mapping; Calculation Brief with Quantity Computations; Initial On-Site, 50%, 90%, Final Design Meetings; Monthly Reports and Invoicing.					
40. Tunnelton (Dillsworth) Landslide:	Reclamation of a landslide behind Dillsworth Residence by design of an 84 foot long by 18 foot high Gabion Basket Retaining Wall; Hydrologic and Hydraulic Studies and design for 214 feet of Subsurface Drains, two (2) Pipes, Manhole, and Drop Inlet; Traffic Control and Pavement Repair Plan; Sediment Control Design; and Revegetation Plan Topographic Surveying and Generation of Mapping; Subsurface Geological Investigation (two (2) piezometers installed); Surface and Groundwater Testing and Reporting; Reclamation Design with Earthwork Quantities; Sediment Control Design; and Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.					
41. Sauls Run Strip and Landslide:	Reclamation design of AML related slip behind the Love, Lee, Rohrbach, and Gregory Residences with 59,350 Yards of Earthwork; Hydrologic and Hydraulic Studies and design for 2,764 feet of Ditches, 500 feet of Subsurface Drains, five (5) Pipes, and two (2) Headwalls; Traffic Control and Pavement Repair Plan; Sediment Control; and 6.7 acres of Revegetation. Topographic Surveying and supplementation and generation of Mapping; Subsurface Geological Investigation (ten (10) piezometers installed); Surface and Groundwater Testing and Reporting; Sediment Control Design; and Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.					
42. Linden Acid Mine Drainage Bioremediation:	43. Glen Castle Reclamation:	44. Misco Burning Gob:	45. Ferris Forfeiture:	46. Brown Subsidence:	GPS and Topographic Surveying; Aerial Photography (Control and Mapping); Mapping.	
47. Flint Run Acid Mine Drainage Reclamation:	Provided options with cost/benefit analysis to mitigate "worst" acid mine drainage in the State of Ohio. Project included two (2) month hydrologic investigation; impounded water and sediment investigation; chemical treatment option (AquaFix or hydrated lime) for AMD discharges; passive treatment options for AMD discharges included: eliminating AMD discharge sites through backfilling operations; reducing AMD flows by diverting up-gradient ground waters; cover high infiltration areas; alkaline amendment for coal refuse cover and to support vegetation; open limestone channels; steel slag leach beds; aerobic wetlands; limestone filter beds; limestone polishing leach bed; open limestone drainage ditches and channels; and vegetation plan.					

12. A Cont.) Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering?

☒ X

Yes
No

Description and Number of Projects: Corporate Exper. : Forty Eight (48) Projects

48. Lake Milton Investigation:

220 Acre-foot Impoundment Investigation; GPS, Hydrographic and Topographic Surveying; Geotechnical (Pending Embankment Failure) Investigation; Surface and Ground Water Testing; Impounded Water and Sediment Investigation; Mapping; Aerial Photography (Control and Mapping); Reclamation Design Alternatives Report; Hydrologic and Hydraulic Studies for Ditch, Channel, Spillway Design; Sediment Control Design; Revegetation Plan; Calculation Brief with Quantity Computations; Engineers Cost Estimate; Initial On-Site, 50%, 90%, Final Design Meetings; Monthly Reports; Invoicing.



Lake Milton Embankment Piping Leak
LAKE MILTON - near Jackson, Jackson County, OH



Lake Milton Geotechnical Investigation
LAKE MILTON - near Jackson, Jackson County, OH

Related Abandoned Mine Lands Remediation / Mine Reclamation Engineering

*West Virginia
Conservation Agency:*

Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Krout Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Creek Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project, Coalwood Floodplain Improvement Project, Rachel Floodplain Improvement Project, Barkers Creek Stream Bank Protection Project, Reedsville Equipment Storage Building, Jackson's Mill Livestock Arena, Edgewood Stream Bank Stabilization Project, Pringle Road Landslide Remediation, Back Creek Natural Stream Restoration Project, Bunnell Run Stream Bank Stabilization Project, Deckers Creek Stream Bank Stabilization Project..

12.	A. (C -)	Is your firm experienced in Special Reclamation Remediation / Mine Reclamation Engineering?	
	<input checked="" type="checkbox"/>	Description and Number of Projects:	Corporate Experience: Seventy Eight (78) WVAML Projects; One (1) Special Rec Project – Twelve (12) ODNR Projects Employee Experience: Additional (12) AML Projects and Various Other Mine Reclamation Projects
	<input type="checkbox"/>	No	

AML, MINE RECLAMATION ENGINEERING CORPORATE AND EMPLOYEE EXPERIENCE:

Randy Calkins, Project Manager, WVAML Design – Ninety One (91) Completed Projects – Three (3) Preliminary Design Projects; Fifty Four (54) Mine Reclamation Engineering Projects.

WVAML – Completed Designs – 1. Tub Run Highwall and Refuse Phase II; 2. Tub Run Highwall and Refuse Phase II; 3. Town of Newburg Waterline Feasibility Study, I.D. 392; 4. Webster Point Mountain Waterline Feasibility, I.D. 384; 5. Green brier Hollow Refuse; 6. Sauls Run (Carpenter) Landslide; 7. Pageton (Lambert) Portals; 8. WVDEP Mapping Contract – South Region; 9. Birds Creek Number 4; 10. Bergoo Waterline Feasibility Study, I.D. 351; 11. Lewis County EDA Waterline Feasibility Study, I.D. 374; 12. Scott Road and Findley Road Waterline Feasibility Study, I.D. 356; 13. WVDEP Mapping North; 14. WVDEP Mapping South; 15. Church Creek/ Manown Highwall; 16. Racine (Bradshaw) Portals; 17. Hampton Number Four Maintenance; 18. Howesville Sites; 19. Sandy Run Highwall and Portals; 20. Wilsie Rosedale Waterline Feasibility Study, I.D. 324; 21. Laurel Valley (Daniels) Landslide; 22. Price Hill Airshaft/Buildings; 23. Weaver Portals and Highwall Phase I; 24. Weaver Portals and Highwall Phase II; 25. Nixon Run AMD; 26. Fairmont (Hendrickson) Subsidence; 27. Tunnelton (Dillsworth) Landslide; 28. Arlington (Cox) Drainage; 29. Sauls Run Strip and Landslide; 30. Taylor Waterline Extension Feasibility Study-I.D. No. 309; 31. Poplar Ridge Waterline Feasibility Study-I.D. No. 298; 32. Summit Park Waterline Feasibility Study-I.D. No. 288; 33. Hodgesville PSD Waterline Extension-I.D. No. 275; 34. McElwain Waterline Feasibility Study-I.D. No. 271; 35. Old Bridgeport Hill Mine Drainage, Phase II; 33. Adaland Tipple and Refuse; 34. Bismark Strip Drainage and Refuse; 35. Brownton School Refuse; 36. Burdock Highwall; 37. Clarksburg (Ryder Avenue) Drainage; 38. Conners Highwall; 39. Francis Drainage and Refuse; 40. Muddy Creek Tipple Complex; 41. Pringle Drainage; 42. Superior Hydraulics; 43. Thomas (Euclid Avenue) Subsidence; 44. Zebs Creek Highwall. – **Preliminary Designs**: 1. Amigo Smokeless Refuse; 2. Austin Highwall; 3. Slab Fork Mine Dump. **Special Reclamation** – Gladly Fork Mining, Inc., D-35-82 Bond Forfeiture. **Mine Reclamation Engineering** – Surface Mine Applications (WV – S.O.A.P. Applications) – S.O.A.P. Numbers 201, 205, 206, 208, 209, 210, 211, 212, 213, 214, 216, 217, 221, 230, 233, 236, 238, 247, 249, 250, 251, 260, 267, 268, and 273. Deep Mine Applications (WV – S.O.A.P. Applications) S.O.A.P. Numbers 202, 207, 239, 241, 257, and 271.

Ohio AML – Completed Designs - 1. Flint Run East; 2. Murray City AMD and Art, 3. Flint Run Acid Mine Drainage, 4. Danehart Acid Mine Drainage, 5. Nutters Tipple D-716, 6. Lake Milton Investigation, 7. Midvale Coal Number 7, 8. Linden Acid Mine Drainage Bioremediation, 9. Glen Castle Reclamation, 10. Misco Burning Gob, 11. Ferris Forfeiture, 12. Brown Subsidence

Dennis Miller, Survey Manager, Sixty Three (63) Projects:

1. WVDEP Mapping South; 2. WVDEP Mapping North; 3. WVDEP Mapping South; 4. Church Creek/ Manown Highwall; 5. Racine (Bradshaw) Portals; 6. Hampton Number Four Maintenance; 7. Howesville Sites; 8. Sandy Run Highwall and Portals; 9. Laurel Valley (Daniels) Landslide; 10. Price Hill Complex; 11. Adaland Tipple and Refuse; 12. Barkers Ridge Highwall; 13. Bismark Strip Drainage and Refuse; 14. Bridge Run; 15. Brownton School Refuse; 16. Camp Run; 17. Conners Highwall; 18. Dawmont AML; 19. Francis Drainage and Refuse; 20. Muddy Creek Tipple Complex; 21. Pine Bluff Tipple Site; 22. Philip Thorn Highwall; 23. Rainelle AML; 24. SCS Reclamation; 25. Shegon Refuse Pile; 26. Shoemaker Landslide; 27. Superior Hydraulics; 28. Taylor Creek Impoundment; 29. Taylor Creek Tipple Complex; 30. Tibbs Run Portal; 31. Masontown No. 4 AML; 32. Rosemont Highwall and Portals



Reclaimed Highwall
ZEBS CREEK HIGHWALL - near Elkins, Randolph County, WV



Stabilized Refuse Pile
MUDDY CREEK TIPPLE COMPLEX - near Mt. Storm, Grant County, WV

12.

Is your firm experienced in Soil Analysis and Refuse Analysis?

X

Yes

Description and Number of Projects: **Numerous Projects Involving Physical Properties of Soil Including Soil Stability Investigations, Design of Soil Fill Slopes, as well as Chemical Properties of Soils and refuse for Revegetation Plans.**

No

CORPORATE EXPERIENCE:*Slope Stability and Design of Fill Slopes*

AML – Sauls Run (Carpenter) Landslide; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Fairmont (Hendrickson) Subsidence; Tunnelton (Dillsworth) Landslide; Sauls Run Strip and Landslide; Nutters Tipple D-716; Danehart Acid Mine Drainage; Lake Milton Investigation. **WVCA** – Fisher-Mill Creek Bank Stabilization; Harmons Creek Bank Stabilization; Parchment Valley Bank Stabilization; North Fork Hughes River Bank Stabilization. **Landfills** – Franklin County Sanitary Landfill Capping and Closure Plan; Bobmeyer Landfill Capping and Closure Plan; Fayette County Sanitary Landfill #3 Capping and Closure Plan; Hardin County Sanitary Landfill Capping and Closure Plan; Allied Sanitary Landfill Capping and Closure Plan; Triangle Landfill Capping and Closure Plan; Coshocton Landfill Capping and Closure Plan; B & E Landfill Capping and Closure Plan; Westerville Landfill Capping and Closure Plan. **Road Design** – U.S. Route 35 Couch to Coast Guard Station; Lawrence County Route 7; Corridor H, Section 6 Davis to Bismark; Williams Road Widening; Journal Street Extension; Frantz Road; Maxtown Road; Alum Creek Drive. **Quality Control / Quality Assurance Projects** – Gladly Fork Permit D-35-82 Bond Forfeiture; ODNR Racine Docks; Fisher Mill Creek bank Stabilization; Hazelton Federal Prison; Clifford Hollow Bridge; Corridor H Job 123; Corridor H Job 125; Corridor H at Baker; Mon-Fayette Bridge; Glenville Federal Prison.

Revegetation Plans

AML – Tub Run Highwall and Refuse Phase I and II; Greenbrier Hollow Refuse; Pageton (Lambert) Portals; Birds Creek Number 4; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Howesville Sites, Sandy Run Portals; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Gladly Fork Mining, Inc. D-35-82 Bond Forfeiture; Weaver Portals and Highwall Phase I and II; Nixon Run AMD; Tunnelton (Dillsworth) Landslide; Arlington (Cox) Drainage; Sauls Run Strip and Landslide; Old Bridgeport Hill Mine Drainage, Phase II; Flint Run East Acid Mine Drainage Reclamation; Murray City AMD and Art Project; Flint Run Acid Mine Drainage Reclamation; Danehart Acid Mine Drainage; Midvale Coal Number 7; Nutters Tipple D-716; Lake Milton Investigation. **Landscape Architecture Projects (with soil and vegetation designs)** – Willowbrook Linear Parkway; Willowbrook Conceptual Park Plan; Northgate Commercial Development; Montgomery Park; Tartan Fields Golf Course; Hoff Woods Park; Meri-Mac Park; Bridlewood Park, Friendship Park.

OSR MINE RECLAMATION ENGINEERING EMPLOYEE EXPERIENCE:*Revegetation Plans*

Randy Calkins, Project Manager, WVAML Design - Thirty Three (33) Completed Projects; Numerous Mine Reclamation Engineering Projects:



WVAML – Completed Designs – 1. & 2. Tub Run Highwall and Refuse Phase I and II; 3. Greenbrier Hollow Refuse; 4. Pageton (Lambert) Portals; 5. Sauls Run (Carpenter) Landslide; 6. Birds Creek Number 4; 7. Church Creek/ Manown Highwall; 8. Racine (Bradshaw) Portals; 9. Hampton Number Four Maintenance; 10. Howesville Sites; 11. Sandy Run Highwall and Portals; 12. Laurel Valley (Daniels) Landslide; 13. Price Hill Airshaft/Buildings; 14. & 15. Weaver Portals and Highwall Phase I and II; 16. Nixon Run AMD; 17. Fairmont (Hendrickson) Subsidence; 18. Tunnelton (Dillsworth) Landslide; 19. Arlington (Cox) Drainage; 20. Sauls Run Strip and Landslide; 21. Old Bridgeport Hill Mine Drainage, Phase II; 22. Adaland Tipple and Refuse; 23. Bismark Strip Drainage and Refuse; 24. Brownnton School Refuse; 25. Burdock Highwall; 26. Clarksburg (Ryder Avenue) Drainage; 27. Connors Highwall; 28. Francis Drainage and Refuse; 29. Muddy Creek Tipple Complex; 30. Pringle Drainage; 31. Superior Hydraulics; 32. Thomas (Euclid Avenue) Subsidence; 33. Zebs Creek Highwall.

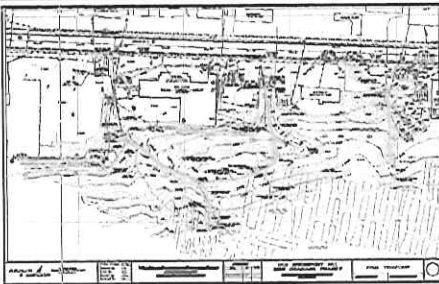



Installation of retaining wall designed to provide slope stability.

DANEHART ACID MINE DRAINAGE RECLAMATION PROJECT

Near York, Belmont County, OH

12.	<input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No	Is your firm experienced in hydrology and hydraulics for handling mine water discharges on mining sites? Description and Number of Projects: Numerous Projects Including H & H Studies for Flood Plain Improvements, Impoundments, Bridges, Pipes, Culverts, Box Culverts, Ditches, Channels, and Channel Relocations and Restoration using Natural Stream Design Techniques.
CORPORATE EXPERIENCE:		
<i>H & H Studies for Flood Plain Improvements and Impoundments</i>	AML – Weaver Portals and Highwall Phase I & II; Flint Run East Acid Mine Drainage Reclamation; Murray City AMD and Art Project; Flint Run Acid Mine Drainage Reclamation; Lake Milton Investigation. SPEC REC – Gladly Fork Mining, Permit D-35-82, NPDES and Waste Permits (Sediment Control Structures) – C.J. Martin Enterprises; A.F. Wendling Inc.; Pope Properties; Deer Park Development; Fairfax Trucking (Corridor H); Mountaineer Grading (Upper Tract to Petersburg Road); Allwood Construction (Philippi Bypass); Odom Construction Job 123 (4 Waste Permits); Odom Construction Job 125 (1 Waste Permit); C.J. Martin Enterprises Waste Permit; Mountaineer Grading (Moorefield Junction Road). WVCA – Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project.	
<i>H & H Studies for Bridges</i>	SPEC REC – Gladly Fork Mining, Permit D-35-82, Others - Route 35 (Mason County); Mile Branch Bridge; Upper Tract bridge; Buffalo Creek Bridge; Sawmill Parkway Pedestrian Crossing; Southwest Dublin Traffic Calming; LAW-7-02.17; LIC-40-44.930; FRA-70-13.12; FRA-315-00.30R; SHE-CR-41-3.14; PER-93-33.26B; MEG-143-11.29; Children's Home Road Bridge; PIC/FRA-23-12.92/0.00; CR 23 over Elk Fork; HIG-138-24.36; Ranger Road over Georges Creek; CR24A over the Hocking River; CR24 over the Hocking River; HIG-28-2.80; PER-93-12.40; GUE-209-5.73; CR 41 over the Miami River; I670(S) over Conrail; B&O and N&W Railroads; 4th Street Connector over Conrail and B&O Railroads; I670 over Alum Creek; I670 over 5 th Street.	
<i>H & H Studies for Pipes, Inlets, Culverts, Box Culverts</i>	AML – Tub Run Highwall and Refuse Phase I and II; Greenbrier Hollow Refuse; Pageton (Lambert) Portals; Birds Creek Number 4; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Howesville Sites, Sandy Run Portals; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Weaver Portals and Highwall Phase I & II; Nixon Run AMD; Tunnelton (Dillsworth) Landslide; Arlington (Cox) Drainage; Sauls Run Strip and Landslide; Old Bridgeport Hill Mine Drainage, Phase II; Flint Run East Acid Mine Drainage Reclamation; Murray City AMD and Art; Flint Run Acid Mine Drainage Reclamation; Danehart Acid Mine Drainage; Nutters Tipple D-716; Lake Milton Investigation. SPEC REC – Gladly Fork Mining, Permit D-35-82. Road Design – U.S. Route 35; Lawrence Route 7; Corridor H, Section 6 Davis to Bismark; Williams Road Widening; Journal Street Extension; Frantz Road; Maxtown Road; Alum Creek Drive.	
<i>Stream Assessments and Restoration</i>	404, 401 Certification and Natural Stream Design of over 72,000 lineal feet of streams; Racine (Bradshaw) Portals; Tub Run Highwall and Refuse Phase I; Greenbrier Hollow Refuse; Pageton (Lambert) Portals; Weaver Portals and Highwall; Pearce Mine, Mead/Coffin Mine, Circle Drive Mine, 300 Pit Mine, Big Valley Mine; Waterloo Coal Company, Inc – Winchester Mine, Westlake Mine, Mead/Sinn Mine, Allied Wets Mine; U.S. Rte. 35 600 linear feet. WVCA – Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal; Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project.	
OSR MINE RECLAMATION ENGINEERING EMPLOYEE EXPERIENCE:		
<i>H & H Studies for Pipes, Culverts, Box Culverts</i>	Randy Calkins, Project Manager, WVAML Design - Sixty (60) Completed Projects – Three (3) Preliminary Design Projects; Fifty Four (54) Mine Reclamation Engineering Project (see page 11). WVAML – Completed Designs - 1. Adaland Tipple and Refuse; 2. Bismark Strip Drainage and Refuse; 3. Brownnton School Refuse; 4. Burdock Highwall; 5. Clarksburg (Ryder Avenue) Drainage; 6. Connors Highwall; 7. Francis Drainage and Refuse; 8. Muddy Creek Tipple Complex; 9. Pringle Drainage; 10. Superior Hydraulics; 11. Thomas (Euclid Avenue) Subsidence; 12. Zebs Creek Highwall. Mine Reclamation Engineering – Surface Mine Applications (WV – S.O.A.P. Applications) – S.O.A.P. Numbers 201, 205, 206, 208, 209, 210, 211, 212, 213, 214, 216, 217, 221, 230, 233, 236, 238, 247, 249, 250, 251, 260, 267, 268, and 273. Deep Mine Applications (WV – S.O.A.P. Applications) S.O.A.P. Numbers 202, 207, 239, 241, 257, and 271. 438 Bond Forfeiture Sites	
<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>Fabri-form Ditch.</p> <p>BURDOCK HIGHWALL Near Elk Garden, Grant County, WV</p> </div> <div style="text-align: center;">  <p>Rock riprap channel.</p> <p>NUTTERS TIPPLE, D-716 Near New Statesville, Perry County, OH</p> </div> </div>		

12.	<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center; line-height: 30px;">X</div>	Yes No	<p>Does your firm produce its own Aerial Photography and De Contour Mapping?</p> <p>Description and Number of Projects: Numerous Projects Developing Contour Mapping from Conventional and GPS Surveying. Aerial Photography and Associated Mapping Subcontracted to Aerocon Photogrammetric Services.</p>
CORPORATE EXPERIENCE:			
<i>Contour Mapping from Aerial Photography</i>	<p>AML – WVDEP South Mapping Contract (2011-2014), 17 Sites Totaling 1,800 Acres , WVDEP North Mapping Contract (2008-2011), 34 Sites Totaling 4,800 Acres, WVDEP South Mapping Contract (2008-2011), 51 Sites Totaling 4,100 Acres.</p>		
<i>Contour Mapping from GPS and Conventional Surveying Techniques</i>	<p>AML – Tub Run Highwall and Refuse Phase I and II; Greenbrier Hollow Refuse; Pageton (Lambert) Portals; Birds Creek Number Four; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Howesville Sites, Sandy Run Portals; Hampton Number Four Maintenance; Howesville Sites; Sandy Run Highwall and Portals; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Weaver Portals and Highwall, Phase I & II; Nixon Run AMD; Tunnleton (Dillsworth) Landslide; Arlington (Cox) Drainage; Sauls Run Strip and Landslide; Fairmont (Hendrickson) Subsidence; Old Bridgeport Hill Mine Drainage, Phase II; Flint Run East Acid Mine Drainage Reclamation; Murray City AMD and Art Project; Flint Run Acid Mine Drainage Reclamation; Danehart Acid Mine Drainage; Nutters Tipple D-716; Lake Milton Investigation; Midvale Coal Number 7; Linden Acid Mine Drainage Bioremediation; Glen Castle Reclamation; Misco Burning Gob; Ferris Forfeiture; Brown Subsidence. SPEC REC – Glady Fork Mining, Permit D-35-82. WVCA – Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project. NPDES and Waste Permits - Odom Construction Job 123 (4 Waste Permits); Odom Construction Job 125 (1 Waste Permit); C.J. Martin Enterprises Waste Permit; Mountaineer Grading (Moorefield Junction Road). Others – Glenville Federal Prison Pistol Range; BBL Carlton State Office Consolidation Complex Site; West Virginia Wesleyan College Site; Unlimited Futures Site; Dollar Tree Site; Jim Waggle Site; John Jenkins Site.</p>		
AML, MINE RECLAMATION ENGINEERING EMPLOYEE EXPERIENCE:			
<i>Contour Mapping from GPS and Conventional Surveying Techniques</i>	<p><i>Randy Calkins, Project Manager, WVAML Design – Ninety (91) Completed Projects – Three (3) Preliminary Design Projects; Fifty Four (54) Mine Reclamation Engineering Projects (see page 11).</i></p> <p>WVAML – Completed Designs - 1. Adaland Tipple and Refuse; 2. Bismark Strip Drainage and Refuse; 3. Brownnton School Refuse; 4. Burdock Highwall; 5. Clarksburg (Ryder Avenue) Drainage; 6. Conners Highwall; 7. Francis Drainage and Refuse; 8. Muddy Creek Tipple Complex; 9. Pringle Drainage; 10. Superior Hydraulics; 11. Thomas (Euclid Avenue) Subsidence; 12. Zebs Creek Highwall. Preliminary Designs: 1. Amigo Smokeless Refuse; 2. Austin Highwall; 3. Slab Fork Mine Dump. Mine Reclamation Engineering – Surface Mine Applications (WV – S.O.A.P. Applications) – S.O.A.P. Numbers 201, 205, 206, 208, 209, 210, 211, 212, 213, 214, 216, 217, 221, 230, 233, 236, 238, 247, 249, 250, 251, 260, 267, 268, and 273. Deep Mine Applications (WV – S.O.A.P. Applications) S.O.A.P. Numbers 202, 207, 239, 241, 257, and 271.</p> <p><i>Dennis Miller, Survey Manager, Eighty Four (84) Projects:</i></p> <p>WVAML - 1. Adaland Tipple and Refuse; 2. Barkers Ridge Highwall; 3. Bismark Strip Drainage and Refuse; 4. Bridge Run; 5. Brownnton School Refuse; 6. Camp Run; 7. Conners Highwall; 8. Dawmont AML; 9. Francis Drainage and Refuse; 10. Muddy Creek Tipple Complex; 11. Pine Bluff Tipple Site; 12. Philip Thorn Highwall; 13. Rainelle AML; 14. SCS Reclamation; 15. Shegon Refuse Pile; 16. Shoemaker Landslide; 17. Superior Hydraulics; 18. Taylor Creek Impoundment; 19. Taylor Creek Tipple Complex; 20. Tibbs Run Portal; 21. Masontown No. 4 AML</p>		
	<p>Mapping generated from conventional surveying.</p> <p>OLD BRIDGEPORT HILL MINE DRAINAGE</p>		<p>Mapping generated from conventional and GPS survey techniques.</p> <p>MURRAY CITY AMD AND ART PROJECT</p>

12.

X

Yes

No

Is your firm experienced in design of highwall elimination, grading, and material handling plans for land reclamation?

Description and Number of Projects: Corporate Experience – Forty Eight (48) WVDEP AML Projects, Six (6) Ohio AML Projects; One (1) Ohio Watershed Organization – Employee Experience – Ten (10) WVAML Projects – Thirteen (13) Bond Forfeiture Projects – 438 Bond Forfeiture Sites – Thirty One (31) SOAP surface and deep mine applications..

Please refer to the projects listed in Section 12A for a complete listing of projects completed by Stantec involving highwall elimination, grading and material handling plans for land reclamation.

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

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
Lemasters, Todd, P.E. Buckhannon, WV Office	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
	0	10
Brief Explanation of Responsibilities: Project Engineer and Signatory - expression of interest response, Project scope of work document and associated engineering cost estimate, invoicing, and monthly progress reports. Designer – MicroStation, AutoCAD, SurvCAD, and Haestads Operator. Specification Writer, Calculation Brief, Bid Estimate, Microsoft Word and Excel Operator.		
WVAML Experience: Norton Highwall #1, Tub Run Highwall and Refuse Phase II, Tub Run Highwall and Refuse Phase I		
EOI Experience: Mr. Lemasters has been involved with the engineering design involving channel restoration, geotechnical analysis, site reclamation, and utility relocation for over 25 roads and bridges. Mr. Lemasters is also experienced with environmental studies including Groundwater Monitoring and Reporting. Mr. Lemasters' projects include: Teays Valley Road WV34, i-79 Gateway Connector, Wabasso Village Association Snowshoe, U.S. 23 South Bloomfield Ohio, Carson's Farm Turning Lane Ohio State Rte 36, North Valley Road Greene County Ohio, Corridor H Bismark to Section 6, Upper Tract Bridge, Mile Branch Bridge, U.S. 119/WV20 widening Buckhannon, Platinum Drive Bridgeport, Jones and Laughlin Overpass Bridge, Martinsburg, Corridor H Bismark Section 5, Canaan Valley Institute Headquarters, Linda Lane Harrisburg VA., PA Turnpike Commission Westmoreland County, Raleigh Street extension Martinsburg, SR4027 over Bentley Creek Bradford County PA, SR4033 over Brady Run Beaver County PA., SR388 over Big Run Lawrence County PA., SR1037 over Trump Run Fayette County PA., SR2003 over Jacobs Creek Westmoreland County PA., Mitchell Haul Road Marshall County.		
Education (Degree, Year, Specialization): Fairmont State College, B.S. Civil Engineering Technology - 2001 Fairmont State College, A.S. Architectural Engineering Technology - 2002		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS: American Society of Highway Engineers, Vice-President, North Central WV Chapter	Registration (Type, Year, State): Registered Professional Engineer, 2003, West Virginia Registered Professional Engineer, 2006, Pennsylvania Registered Professional Engineer, 2006, Virginia	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
Sample, Steve, P.L.S. Buckhannon, WV Office	0	1

Brief Explanation of Responsibilities: AML MANAGER - Project Manger- ALL FIELD AND OFFICE RELATED WORK, including expression of interest response, Project scope of work document and monthly progress reports. Designer – AutoCAD and SurvCAD Operator. Specification Writer, Calculation Brief, Bid Estimate, Microsoft Word and Excel Operator.

WVAML experience: *PROJECTS COMPLETED* – Fairmont (Jackson Addition) Subsidence Project, Hilderbrand Highwall Project, Lilbern Pritt Highwall Project, Morgan Mine Road Mine Fire Project, Ridenour Complex Project, Roger Camp Hill Refuse Project, Colliers Sportsman Club Highwall, Gore Clogged Stream, Lambert Run South Portal & Highwall, Morgantown (Anderson) Portals & Highwalls, Norton Highwall #1, Pleasant Valley (Brown) Highwall & Portals, Waitman-Barbe Highwall #1, Bretz (Methany) Mine Drainage, Fisher Portals, Bishop Portals, West Columbia "B", East Lynn II, Mallory (Gibson) Parcels, Wheatley Branch (Luthy) Portals, MacArther Subsidence, Witcher Creek Portals & Refuse, Abney Refuse Piles, Orgas Keith Portals, Blackeagle #2 Refuse Pile, Milam Ridge Refuse Pile, Flipping Hollow Complex, Kyle (Totten) Draining Portals Braeholm (Evans) Portals & Drainage, Stollings (White) Portals, Trace Fork Complex, Lake (Winkler) Landslide Phase II, Jeep Trail Portals

Education (Degree, Year, Specialization): A.S., 1990, Land Surveying

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:
Florida Society of Professional Surveyors and Mappers

Registration (Type, Year, State):
1992 – P.L.S. Florida

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
Calkins, Randolph M., P.S. Buckhannon, WV Office	YEARS OF OSR DESIGN EXPERIENCE: 6	YEARS OF OSR RELATED DESIGN EXPERIENCE: 31
Brief Explanation of Responsibilities: OSR & AML MANAGER - Project Manager and Principal Designer – ALL FIELD AND OFFICE RELATED WORK, including expression of interest response, Project scope of work document and associated engineering cost estimate, invoicing, and monthly progress reports. Designer - AutoCAD, SurvCAD, and Haestads Operator. Specification Writer, Calculation Brief, Bid Estimate, Microsoft Word and Excel Operator.		
WVAML experience: <i>PROJECTS COMPLETED</i> – PERMIT EXPERIENCE: Beartown surface mine (2012) and Cunningham Run surface mine (2012). Tub Run Highwall and Refuse Phase I and II; Greenbrier Hollow Refuse; Pageton (Lambert) Portals; Birds Creek Number 4; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Hampton Number Four Maintenance; Howesville Sites, Sandy Run Highwall and Portals; Wilsie-Rosedale Waterline Extension Feasibility Study – I.D. No. 324; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Weaver Portals and Highwall, Phase I and II; Old Bridgeport Hill Mine Drainage, Phase II; Nixon Run AMD; Arlington (Cox) Drainage; Fairmont (Hendrickson) Subsidence; Tunnelton (Dillsworth) Landslide; Sauls Run Strip and Landslide; Taylor Waterline Extension Feasibility Study-I.D. No. 309; Poplar Ridge Waterline Extension Feasibility Study-I.D. No. 298; Summit Park Waterline Extension Feasibility Study-I.D. No. 288; Hodgesville PSD Waterline Extension Feasibility Study-I.D. No. 275; McElwain Waterline Feasibility Study-I.D. No. 271; Adaland Tipple and Refuse; Bismark Strip Drainage and Refuse; Brownston School Refuse; Burdock Highwall; Clarksburg (Ryder) Avenue Drainage; Conners Highwall; Francis Drainage and Refuse; Muddy Creek Tipple Complex; Pringle Drainage; Superior Hydraulics; Thomas (Euclid Avenue) Subsidence; Zebs Creek Highwall; <i>PRELIMINARY DESIGN WORK</i> – Amigo Smokeless Refuse; Austin Highwall; Slab Fork Mine Dump.		
Ohio AML Experience: Flint Run East Acid Mine Drainage Reclamation Project; Murray City AMD and Art Project; Danehart Acid Mine Drainage Reclamation; Ferris Forfeiture; Flint Run Acid Mine Drainage Reclamation; Glen Castle Reclamation; Lake Milton Investigation; Linden Acid Mine Drainage Bioremediation; Midvale Coal Number 7; Misco Burning Gob; Nutters Tipple D-716.		
Related AML Design: SPEC REC: Gladys Fork Mining Permit D-35-82; WVCA: Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization; WV Small Operators Assistance Program (25 applications). Maryland Small Operators Assistance Program (1 application), WV Bond Forfeiture Program (438 sites), various waste permits for Corridor H (15 permits), Grafton Coal Company (12 years experience with surface and deep mines)		
Education (Degree, Year, Specialization):	A.S. Surveying Technology, 1970, Surveying Level One Natural Stream Design, September 2002 Level Two Natural Stream Design, May 2003 401 / 404 Permit Training, WVDOH, January 2003	
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:	Registration (Type, Year, State): Registered Professional Surveyor, 1979, West Virginia	



1998 Associated Builders and Contractors Award of Excellence for Zebs Creek Highwall AML Design.

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
Miller, Dennis E., P.S. Buckhannon, WV Office	4	10
<p>Brief Explanation of Responsibilities: Survey Manager – ALL FIELD RELATED WORK, including field survey of topographic and planimetric project information. Generate or supplement mapping for the Project area. Designer - AutoCAD, SurvCAD, and Haestads Operator. Specification Writer, Calculation Brief, Bid Estimate, Microsoft Word and Excel Operator.</p> <p>WVAML Experience: WVDEP South Mapping Contract (2011); Bergoo Waterline Extension Feasibility Study, I.D. No. 351; Lewis County EDA Waterline Extension Feasibility Study, I. D. No. 374; Scott Road and Findley Road Waterline Extension Feasibility Study, I.D. No. 356; WVDEP North Mapping Contract; WVDEP South Mapping Contract; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Hampton Number Four Maintenance; Howesville Sites, Sandy Run Highwall and Portals; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/buildings; Weaver Portals and Highwall, Phase I and II; Old Bridgeport Hill Mine Drainage, Phase II; Nixon Run AMD; Arlington (Cox) Drainage; Fairmont (Hendrickson) Subsidence; Tunnelton (Dillsworth) Landslide; Sauls Run Strip and Landslide; Adaland Tipple and Refuse; Bismark Strip Drainage and Refuse; Brownston School Refuse; Burdock Highwall; Clarksburg (Ryder) Avenue Drainage; Conners Highwall; Francis Drainage and Refuse; Muddy Creek Tipple Complex; Pringle Drainage; Superior Hydraulics; Thomas (Euclid Avenue) Subsidence; Zebs Creek Highwall; Bridge Run, Camp Run, Philip Thorn Highwall, Rainelle AML, SCS Reclamation, Shagon Refuse Pile, Taylor Creek Tipple Complex, Tibbs Run Portal, Masontown.</p> <p>Ohio AML Experience: Flint Run East Acid Mine Drainage Reclamation Project; Murray City AMD and Art Project; Danehart Acid Mine Drainage Reclamation; Ferris Forfeiture; Flint Run Acid Mine Drainage Reclamation; Glen Castle Reclamation; Lake Milton Investigation; Linden Acid Mine Drainage Bioremediation; Midvale Coal Number 7; Misco Burning Gob; Nutters Tipple D-716.</p> <p>Related AML Design: SPEC REC: Gladly Fork Mining Permit D-35-82; WVCA: Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project. WV Bond Forfeiture Program (438 sites), various waste permits for Corridor H (15 permits), Clarksburg U.S. Postal Facility, Grant Town Power Plant, U.S. Route 19 Bridge Layout, Salem Bridge Layout, Webster Bridge Layout, Corridor H (4 Sections), Project Impact Bench Marks, numerous property and topographic mapping projects.</p>		
<p>Education (Degree, Year, Specialization): A.S., 1989, Surveying</p>		
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:</p> <p>West Virginia Contractor's Association</p> <p>West Virginia Association of Land Surveyors</p> <p>West Virginia Associated Builders</p> <p>Upshur County Chamber of Commerce</p>	<p>Registration (Type, Year, State):</p> <p>Registered Professional Surveyor, 1994, West Virginia</p>	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
Steele, Garland W., P.E., P.S. Charleston, WV Office	YEARS OF OSR DESIGN EXPERIENCE: 0	YEARS OF OSR RELATED DESIGN EXPERIENCE: 34
<p>Brief Explanation of Responsibilities: Engineer of Record and Geotechnical Manger – Design and implement subsurface investigation work. In-field testing of physical properties of soil, rock, coal materials, and soil, rock, and coal samples for laboratory physical testing. Data entry and review slope stability analysis results, review physical testing laboratory results.</p> <p>WVAML experience: Hampton Number Four Maintenance; Price Hill Airshaft/Buildings; Weaver Portals and Highwall, Phase I and II; Fairmont (Hendrickson) Subsidence; Tunnelton (Dillsworth) Landslide; Arlington (Cox) Drainage; Sauls Run Strip and Landslide; Old Bridgeport Hill Mine Drainage, Phase II; Hodgesville Waterline Extension Feasibility Study (I.D. No. 275); Charles and Donice McElwain Waterline Feasibility Study (I.D. No. 271). As Director of the Materials Control and Soil and Testing Division of the WV Department of Highways, he coordinated several WVAML projects with WVDOH projects and goals.</p> <p>Related AML Design: Director, Materials Control, Soil and Testing Division (1965 - 1977), WV Department of Highways, For 12 years, Mr. Steele managed this Division which had six major sections – Structural Steel, Concrete, Bituminous, Soils, Aggregates, and Administrative. The Division was responsible for all physical and chemical materials testing performed by the Department as needed by the Department's Construction, Maintenance, Traffic, Design, and Geotechnical Units. At its peak, Mr. Steele supervised a staff of 275, which included approximately 250 technical and professional personnel. Mr. Steele has made significant contributions to many professional organizations (ASTM, AASHTO, and TRB) involved with developing materials criteria. SPEC REC: Gladly Fork Mining Permit D-35-82; WVCA: Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project.</p>		
Education (Degree, Year, Specialization): B.A., 1956, Engineering		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS: Member, American Society for Testing and Materials (Board of Director (1992 – 1994), Committee on Standards (Past Chairman), Concrete and Concrete Aggregates (Past Chairman), Road and Paving Materials (Chairman 1982-1983) American Association of State Highway and Transportation Officials - Subcommittee on Materials (Past Vice-Chairman), Material Reference Laboratory Council (AMRL) (Past Chairman), Pipe, Culverts, Conduits, and Drains (Past Chairman) Member, American Concrete Institute Member, West Virginia Society of Professional Engineers Member, National Society of Professional Engineers Member, West Virginia Society of Civil Engineers Member, American Society of Civil Engineers		Registration (Type, Year, State): Registered Professional Engineer, 1960, West Virginia Registered Professional Engineer, 1960, Virginia Licensed Professional Surveyor, 1999, West Virginia

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
Donnie Yost. Buckhannon, WV Office	YEARS OF OSR DESIGN EXPERIENCE: <div>0</div>	YEARS OF OSR RELATED DESIGN EXPERIENCE: <div>7</div>
<p>Brief Explanation of Responsibilities: Staff Engineer – Develop and perform quantity calculations; Develop Hydrologic and Hydraulic design data; Water, soil, coal, and hazmat sampling; Technical report and calculation brief preparation; Develop data for engineers estimate; Develop CAD drawings.</p> <p>WVAML experience: Webster County Commission Point Mountain Waterline Extension Feasibility Study (I.D. No. 384); Greenbrier Hollow Refuse Pile; Pageton (Lambert) Portals.</p> <p>Permit Experience: Beartown surface mine (2012), Cunningham Run Surface mine (2012).</p>		
Education (Degree, Year, Specialization): B.S., 2003, Civil Engineering Technology		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:		Registration (Type, Year, State):
Empty space for additional information		

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
Moody, Lacy D. Buckhannon, WV Office	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
	0	7
<p>Brief Explanation of Responsibilities: Staff Engineer – Develop and perform quantity calculations; Develop Hydrologic and Hydraulic design data; Water, soil, coal, and hazmat sampling; Technical report and calculation brief preparation; Develop data for engineers estimate and Drafting.</p> <p>WVAML experience: Tub Run Highwall and Refuse Phase II; Tub Run Highwall and Refuse Phase I; Church Creek/ Manown Highwall.</p>		
<p>Education (Degree, Year, Specialization): B.S., 2004, Civil Engineering Technology</p>		
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS: ASCE</p>		<p>Registration (Type, Year, State):</p>

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
Tin, Mat B., P.E. Columbus, OH Office	0	26

Brief Explanation of Responsibilities: Principal and Technical Advisor – **Regulatory requirements and permitting.**

Mr. Tin has over 26 years or experience in all facets of environmental programs and a demonstrated understanding of ever-changing regulations. He participates extensively on Ohio EPA's program and administrative task forces while maintaining close contact with all levels of staff in Director's and Program Offices, including all five (5) district offices. As Principal, Mr. Tin oversees all projects handled by the project managers in the Environmental Department. He takes the lead position on complex and high profile projects where alternative and innovative solutions are required. In addition, he has extensive experience in providing expert testimony in water and wastewater related cases for PTI's and NPDES permits including public hearings, Environmental Board of Review hearings, and court cases. Mr. Tin served the Ohio Environmental Protection Agency in the following positions:

- Chief of the Division of Water Pollution Control
- Coordinator of the Clean Water Act
- Manager of the Public Wastewater Section
- Chief of the Division of Construction Grants

During his tenure as Chief of the Division of Water Pollution Control, he was responsible for the state's NPDES permits, compliance tracking, enforcement, pretreatment, operator certification, engineering plan review, federal construction grants, and state revolving loan fund programs. Mr. Tin also gained considerable experience in the formulation and implementation of public involvement programs as they pertain to civil works projects. In addition, he was appointed coordinator of the Clean Water Act for Ohio EPA's water programs and was Ohio's representative to the Technical Committee of the Ohio River Valley Sanitation Commission (ORSANCO). Mr. Tin finalized Ohio's standards for package treatment plants (Greenbook), Land Application of Sludge Manual, Compost Policy, and the state's Pretreatment Program. Mr. Tin also assisted the EPA Groundwater Division and the Division of Solid and Hazardous Waste during their establishment, and provided guidance for the development and implementation of both the rule-making process (policy-setting process) and the programs themselves.

Education (Degree, Year, Specialization): B.S., Civil Engineering, The Ohio State University, 1973

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- Water Environmental Federation
- Ohio EPA-PAG
 - Surface Water Task Force
 - Infrastructure Task Force
- American Water Works Association
- National Society for Professional Engineers
- Ohio Society for Professional Engineers
- Petroleum Underground Storage Tank Release Compensation Board
- Ohio Chamber of Commerce
- Columbus Chamber of Commerce
- OACE
 - Chairman, Environmental Committee
- Eastern Vocational Schools
 - Chairman, Environmental Management Curriculum

Registration (Type, Year, State):

Professional Engineer, Ohio (#43034)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
Ionnides, Gerry Columbus, OH Office	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
	0	17
Brief Explanation of Responsibilities: Laboratory Manger including organic and inorganic soil, rock, and water analysis.		
Ohio AML Experience: Flint Run East Acid Mine Drainage Reclamation Project; Murray City AMD and Art Project; Danehart Acid Mine Drainage Reclamation; Flint Run Acid Mine Drainage Reclamation; Lake Milton Investigation; Midvale Coal Number 7; Nutters Tipple D-716.		
WVAML experience: Old Bridgeport Hill Mine Drainage; Hodgesville Waterline Feasibility Study (I.D. No. 275); Charles and Donice McElwain Waterline Feasibility Study (I.D. No. 271).		
Related AML Design: Laboratory Chief of Ohio EPA , Interim Director Ohio EPA, Assistant Director Ohio EPA, Ohio EPA Division of Environmental Services Chief, Ohio EPA Environmental Manager IV, Environmental Scientist III, Chemist II and Environmental Scientist II		
Education (Degree, Year, Specialization): MBA, 1995, Business - M.S., 1975, Ohio State University - B.S., 1970, Ohio State University		
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:	Registration (Type, Year, State): N/A	
Empty space for additional information		

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
Schnell, Michael, P.E. Columbus, OH Office	0	14

Brief Explanation of Responsibilities: Design Engineer and Technical Advisor

Related AML Design: Mr. Schnell has 13 years of experience in the field of environmental and mining engineering. He has an additional 12 years of highway and civil engineering design experience that encompasses roadways, drainage structured, waterlines, catch basins, etc. Mr. Schnell was extensively involved in all facets of coal mine operations and reclamation in the State of Kentucky. His reclamation duties involved the design and reclamation of surface and deep mines, which included the design of dams, large earth moving projects, surveying of underground mines, and dealing with several government agencies regulating the mining industries, including OSM, MSHA, AML, and KY DNR. . He served as Chief Engineer for five coal companies in Southeastern Kentucky with one of his primary responsibilities being to ensure that each company complied with all applicable regulations.

His project experience and responsibilities included the following:

- Mine structures
- Tipples
- Processing (cleaning) plants
- Deep and strip mine permits
- In charge of all surveying
- Underground surveys
- Maintained mine maps
- Dealing with all regulatory authorities
- Using and writing industry-specific computer programs
- Strip mines – largest was 500 acres. Mr. Schnell was responsible for all the reclamation design, sediment control ponds, hollow fills, mountaintop removals

King Coal Company, Arjay KY: As Chief Engineer, Mr. Schnell coordinated all permitting and mapping activities associated with surface and underground coal mining operations.

Design of Coal Mining Operations, Kentucky: As Associate Engineer, Mr. Schnell was extensively involved in all technical designs of surface and underground mining operations for various clients in Kentucky.

Education (Degree, Year, Specialization): A.S., 1967, Southern Technical Institute, Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

Registration (Type, Year, State):

Registered Professional Engineer, 1975 Kentucky (#11705)

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
10 CADD Operators	0	>6
<p>Brief Explanation of Responsibilities: CADD Draftsperson including generation of topographic mapping or supplementation of existing mapping, cross sections, detail sheets, tax map overlays, Project Manager or Staff Engineer design compilation. AutoCAD, SurvCAD, and Haestads Operator. Calculation Brief Details and Drawings, Microsoft Word and Excel Operator.</p> <p>WVAML experience: WVDEP Mapping Contract – South Region (2011); Bergoo Waterline Extension Feasibility Study, I.D. No. 351; Lewis County EDA Waterline Extension Feasibility Study, I.D. No. 374; Scott Road and Findley Road Waterline Extension Feasibility Study, I.D. No. 356; Birds Creek Number 4; WVDEP Mapping Contract – South Region; WVDEP Mapping Contract – North Region; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Hampton Number Four Maintenance; Howesville Sites, Sandy Run Highwall and Portals; Wilsie-Rosedale Waterline Extension Feasibility Study – I.D. No. 324; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Weaver Portals and Highwall, Phase I and II; Old Bridgeport Hill Mine Drainage, Phase II; Nixon Run AMD; Arlington (Cox) Drainage; Fairmont (Hendrickson) Subsidence; Tunnelton (Dillsworth) Landslide; Sauls Run Strip and Landslide; Taylor Waterline Extension Feasibility Study-I.D. No. 309; Poplar Ridge Waterline Extension Feasibility Study-I.D. No. 298; Summit Park Waterline Extension Feasibility Study-I.D. No. 288; Hodgesville PSD Waterline Extension Feasibility Study-I.D. No. 275; McElwain Waterline Feasibility Study-I.D. No. 271; Bridge Run; Camp Run; Philip Thorn Highwall; Rainelle AML; SCS Reclamation; Shegon Refuse Pile; Taylor Creek Tipple Complex; Tibbs Run Portal; Masontown AML.</p> <p>Ohio AML Experience: Flint Run East Acid Mine Drainage Reclamation Project; Murray City AMD and Art Project; Danehart Acid Mine Drainage Reclamation; Ferris Forfeiture; Flint Run Acid Mine Drainage Reclamation; Glen Castle Reclamation; Lake Milton Investigation; Linden Acid Mine Drainage Bioremediation; Midvale Coal Number 7; Misco Burning Gob; Nutters Tipple D-716.</p> <p>Related AML Design: SPEC REC: Gladly Fork Mining Permit D-35-82; WVCA: Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project. Various waste permits for Corridor H (15 permits), numerous topographic and property surveys, Pope Properties Waterline and Wastewater Extension, Nitro, WV</p>		
Education (Degree, Year, Specialization):	CADD Operators – B.S., varies, Civil Engineering Technology, 1 Operator – B.S. 1996, Engineering Technology, Others - Experience	
MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:	Registration (Type, Year, State): N/A	

13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR OSR DESIGN (Cont.)

NAME & TITLE (Last, First, Middle Int.)	YEARS OF EXPERIENCE	
3 Survey Crews	YEARS OF OSR DESIGN EXPERIENCE:	YEARS OF OSR RELATED DESIGN EXPERIENCE:
	0	30+
<p>Brief Explanation of Responsibilities: Three (3) fully equipped survey crews can obtain field data to develop topographic mapping or to supplement available aerial mapping. These crews can also use GPS survey techniques to bring horizontal and vertical control to the Project site or control for aerial photography operations. All filed data is electronically gathered, to eliminate errors and blunders, and can be directly downloaded into our computer workstations. Field to finish modules of our SurvCADD software recognize field entered codes that control line work ensuring proper points are connected, proper break lines area established prior to contour generation, and greatly reduces CADD time.</p>		
<p>WVAML experience: WVDEP Mapping Contract – South Region (2011); Birds Creek Number 4; WVDEP North Mapping Contract; WVDEP South Mapping Contract; Church Creek/Manown Highwall; Racine (Bradshaw) Portals; Hampton Number Four Maintenance; Howesville Sites, Sandy Run Highwall and Portals; Laurel Valley (Daniels) Landslide; Price Hill Airshaft/Buildings; Weaver Portals and Highwall, Phase I and II; Old Bridgeport Hill Mine Drainage, Phase II; Nixon Run AMD; Arlington (Cox) Drainage; Fairmont (Hendrickson) Subsidence; Tunnelton (Dillsworth) Landslide; Sauls Run Strip and Landslide; Taylor Waterline Extension Feasibility Study-I.D. No. 309; Poplar Ridge Waterline Extension Feasibility Study-I.D. No. 298; Summit Park Waterline Extension Feasibility Study-I.D. No. 288; Hodgesville PSD Waterline Extension Feasibility Study-I.D. No. 275; McElwain Waterline Feasibility Study-I.D. No. 271; Bridge Run; Camp Run; Philip Thorn Highwall; Rainelle AML; SCS Reclamation; Shegon Refuse Pile; Superior Hydraulics; Taylor Creek Tipple Complex; Tibbs Run Portal; Masontown.</p>		
<p>Ohio AML Experience: Flint Run East Acid Mine Drainage Reclamation Project; Murray City AMD and Art Project; Danehart Acid Mine Drainage Reclamation; Ferris Forfeiture; Flint Run Acid Mine Drainage Reclamation; Glen Castle Reclamation; Lake Milton Investigation; Linden Acid Mine Drainage Bioremediation; Midvale Coal Number 7; Misco Burning Gob; Nutters Tipple D-716.</p>		
<p>Related AML Design: SPEC REC: Gladly Fork Mining Permit D-35-82; WVCA: Fisher-Mill Creek Bank Stabilization, Laurel Lake Sediment Removal, Kraut Creek H&H Investigation, Harmons Creek Bank Stabilization, Parchment Valley Bank Stabilization, North Fork Hughes River Bank Stabilization, Spencer Flood Plain Improvement Study, Logan County Flood Plain Improvement Project; various waste permits for Corridor H (15 permits), numerous topographic and property surveys, Pope Properties Waterline and Wastewater Extension, Nitro, WV</p>		
<p>Education (Degree, Year, Specialization): 12 Party Chiefs – Associate Degrees Civil Engineering or Surveying Technology.</p>		
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:</p>	<p>Registration (Type, Year, State): N/A</p>	

14.

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

275 Computer Workstations

3 Robotic Total Stations and 6 Surveying Electronic Total Stations

6 Field Survey Data Collectors

6 Survey Grade GPS Survey Instruments (complete with base and 2 rovers each)

AutoCAD Versions 2011, 2008, 2006, 2002, 2000I, Map 4.0, Map 5.0, version 14.0

SurvCADD versions 2011, 2008, 2006, XML2, CES, 98

Eagle Point Engineering Software

AutoCAD Land Development

Bentley MicroStation with InRoads

ESRI ArcView GIS (Version 3.2) and Mapping Software (Version 8.3)

KY Pipe Water and Sewer Line Software

Haestads Water CAD Water and Sewer Line Software

Haestads Culvert Master, Flow Master, Storm CAD

Terrain Navigator with seamless WV 7.5' USGS Quads and Sure Maps by Titan Systems

North American Green Erosion Control Blanket Software

Microsoft Office, including Word and Excel

Microsoft Project Scheduling Software

Primavera P3 Scheduling Software

Corel 98 Suite

Numerous HP and Canon Ink Plotters and Printers

XSTABL version 5.2 Slope Stability Software

15.

CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD.

PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Tub Run Highwall and Refuse Phase II, Tucker County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Reclamation design with 307,000 Cubic Yards of Excavation, eight 9,500 L.Ft. Access Road; 11,400 L.Ft. Ditches; 4 Wet Mine Seals; and 114 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$ 2,800,000	Design 100%, Constr. 0%
Tub Run Highwall and Refuse Phase I, Tucker County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Reclamation design with 265,000 Cubic Yards of Excavation, eight 8,500 L.Ft. Access Road; 9,900 L.Ft. Ditches; 4 Pipes and a Box culvert; and 74 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$ 2,300,000	Design 100%, Constr. 25%
Town of Newburg Waterline Extension Feasibility Study, I.D. No. 392, Preston Couty, WV	Mr. Stephen McBrayer West Virginia Department of Environmental Protection Office of Abandoned Mine Lands 601 57th Street, SE – Box 20 Charleston, West Virginia 25304	8.0 Mile Waterline Extension Feasibility Study – I.D. No. 351, involving 96 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	N/A	Design 100%, Constr. 0%
Webster County Commission Point Mountain Waterline Extension Feasibility Study, I.D. No. 384, Webster county, WV	Mr. Stephen McBrayer West Virginia Department of Environmental Protection Office of Abandoned Mine Lands 601 57th Street, SE – Box 20 Charleston, West Virginia 25304	15.0 Mile Waterline Extension Feasibility Study – I.D. No. 351, involving 103 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	N/A	100%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD.				
PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Greenbrier Hollow Refuse, McDowell County, WV	Mr. Mark Proctor, P.E., project Manager West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Reclamation design of coal refuse pile with 51,000 Cubic Yards of Excavation, two (2) wet mine seals; and 8 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$ 712,000	Design 100% Complete
Sauls Run (Carpenter) Landslide, Lewis County, WV	Mr. Eric Simpson, Emergency Coordinator West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Emergency mitigation design of a landslide behind Carpenter's house involving mitigation alternatives, 40,000 Cubic Yards of Excavation; 610 L.Ft. Ditches; 3 Pipes; 1 Manhole; Subsurface Drain; and 7 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$ 450,000	100%
Pageton (Lambert) Portals, McDowell County, WV	Mr. Mark Proctor, P.E., project Manager West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Reclamation design of coal refuse pile with 51,000 Cubic Yards of Excavation, twenty four (24) wet mine seals; and 24 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$ 1,100,000	Design 75% Complete (awaiting utility coordination)
WVDEP South Mapping Contract, Statewide Northern Coal Producing Counties	Mr. Mark Proctor, P.E., project Manager West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Set Vertical and Horizontal Control for Aerial Mapping and Project Control on twenty one sites. Performed Field Survey to verify aerial mapping and locate unmapped planimetric features. Monthly Reports and Invoicing.	N/A	Design 33% Complete

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD.

PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Birds Creek Number Four, Preston County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Reclamation design with 35,000 Cubic Yards of Excavation, eight (8) wet mine seals including five (5) bat gate designs; and 18 acres of revegetation; Topographic Surveying; Generation of Construction Mapping; Soil Testing; Hydraulic Studies and design for Ditches and Pipes; Sediment Control Design; Revegetation Plan. Preliminary and Final Design; Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$ 999,000	Design 100%, Constr. 100%
Bergoo Waterline Extension Feasibility Study, I.D. No. 351	Mr. Stephen McBrayer West Virginia Department of Environmental Protection Office of Abandoned Mine Lands 601 57th Street, SE – Box 20 Charleston, West Virginia 25304	12.0 Mile Waterline Extension Feasibility Study – I.D. No. 351, involving 350 to 400 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	\$1,788,000	100%
Lewis County EDA Waterline Extension Feasibility Study, I.D. No. 374	Mr. Stephen McBrayer West Virginia Department of Environmental Protection Office of Abandoned Mine Lands 601 57th Street, SE – Box 20 Charleston, West Virginia 25304	15.2 Mile Waterline Extension Feasibility Study – I.D. No. 374, involving 110 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; and Initial On-Site Meeting, Preliminary Report, Monthly Reports, and Invoicing.	\$2,276,000	100%
Scott Road and Findley Road Waterline Extension Feasibility Study, I.D. No. 356	Mr. Stephen McBrayer West Virginia Department of Environmental Protection Office of Abandoned Mine Lands 601 57th Street, SE – Box 20 Charleston, West Virginia 25304	1.5 Mile Waterline Extension Feasibility Study – I.D. No. 356, involving 7 Residents. Surface and Ground Water Testing and Reporting; Public and Private Record Search; Hydrologic and Geologic Field and Record Investigation and Report; Water Analyses Interpretation and Evaluation; Ground Water Contamination Mitigation Alternatives with Estimated Construction Costs; and Initial On-Site Meeting, Preliminary Report, Final Report, Monthly Reports, and Invoicing.	\$259,600	100%
WVDEP North Mapping Contract, Statewide Northern Coal Producing Counties	Mr. Gregg Smith, P.E. Mr. Tim Lemasters, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Set Vertical and Horizontal Control for Aerial Mapping and Project Control on eight sites. Performed Field Survey to verify aerial mapping and locate unmapped planimetric features. Monthly Reports and Invoicing.	N/A	100%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD.				
PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
WVDEP South Mapping Contract, Statewide Northern Coal Producing Counties	Mr. Dean Stiltner, Project Manager Mr. Mark Proctor, P.E. West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Set Vertical and Horizontal Control for Aerial Mapping and Project Control on twenty one sites. Performed Field Survey to verify aerial mapping and locate unmapped planimetric features. Monthly Reports and Invoicing.	N/A	100% Complete
Church Creek/ Manown Highwall, Kingwood, Preston county, West Virginia	Mr. Tim Lemasters, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Reclamation design of four (4) sites with 11,800 linear feet of highwall and 220,000 cubic yards of earthwork with twenty three (23) wet mine seals, including two (2) bat gate designs; and 85 acres of revegetation. Topographic Surveying; Subsurface and Geological Investigation (nine (9) piezometers installed). Construction Mapping; Water and Soil Testing; Preliminary and Final Design are on-going. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing will be completed.	\$2,500,000	100% (Design)
Racine (Bradshaw) Portals, Racine, Boone County, West Virginia	Mr. Mark Proctor, P.E., Project Manager West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Reclamation design of six (6) sites with 2,500 cubic yards of earthwork with sixteen (16) wet mine seals, including eight (8) bat gate designs; and 5 acres of revegetation. Topographic Surveying. Construction Mapping; Soil Testing; Preliminary and Final Design are on-going. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing will be completed.	\$410,000	100%
Hampton Number Four Maintenance Clothier, Boone County, WV	Mr. Dean Stiltner, Project Manager West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Surveying and Mapping 16 acre site; 25,000 cubic yards mass balance; 2,700 linear foot of ditches, bridge upgrade, and revegetation. Subsurface Geological Investigation; Surface and Groundwater Testing and Reporting; Mapping; Hydrologic and Hydraulic Studies and design for Ditches; Sediment Control Design; Revegetation Plan. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing.	\$850,000	100% (Design) 100% (Constr.)
Howesville Sites and Sandy Run Highwall and Portals Kingwood District, Preston County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Reclamation design of three (3) sites with 8,000 linear feet of highwall with twenty two (22) wet mine seals; and 45 acres of revegetation. Topographic Surveying; Subsurface and Geological Investigation (eight (8) piezometers installed) are complete. Mapping; Water and Soil Testing; Preliminary and Final Design are on-going. Construction Plans and Specifications; Engineers Cost Estimate, Bid Schedule, and Calculation Brief; Initial On-Site, Preliminary Design, Pre-Bid, and Pre-Construction Meetings; Monthly Reports and Invoicing will be completed.	\$2,600,000	100%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD.				
PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Wilsie-Rosedale, Sugar Creek PSD Waterline Extension Feasibility Study – I.D. No. 324	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Groundwater and Surface Water Investigation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Mapping; Preliminary Investigation and Report; AML & R Grant Supporting Documents; Mapping and CADD	N/A	100% (Design)
Laurel Valley (Daniels) Landslide West Milford, Harrison County, WV	Mr. Ron Lane, Emergency Program Manager West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Surveying and Mapping 4.0 acre Residential Area; 13,000 Yards Mass Balance; Geotechnical Subsurface Investigation; Existing and Proposed Slope Stability Analyses; Regrading, Highwall Backfill, H&H Investigation; Two Ditches; Four Pipes; Gravel and Concrete Driveway and Road Repair Design; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$284,000.00	100%
Price Hill Airshaft/Buildings (Price Hill Complex) Raleigh County, WV	Mr. Dean Stiltner, Project Manager West Virginia Department of Environmental Protection 116 Industrial Drive Oak Hill, WV 25901	Surveying and Mapping 1.5 Acre Site; 1,300 Yards Mass Balance; Suspected Shaft Investigation; 2 Vertical Deep Mine Seals; Debris Removal Plan; Structure Demolition; Refuse Removal Plan; Sediment Control Design; Ditch Design; H&H Investigation Existing Pipes; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$425,000	100%
James & Amanda Taylor Waterline Feasibility Study – I.D. No. 309	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Groundwater and Surface Water Investigation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Mapping; Preliminary Investigation and Report; AML & R Grant Supporting Documents; Mapping and CADD	\$512,000	100% Study 0% (Design)
Fairmont (Hendrickson) Subsidence WVAML Fairmont, Marion County, WV	Mr. Michael Richardson, P.M. West Virginia Department of Environmental Protection 601 57 th Street, SE – Box 20 Charleston, WV 25304	Surveying and Mapping; Subsurface Investigation; Previous Reports Compilation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Report of Findings; Mitigation Alternatives; Updates and Invoicing.	Unknown	100%
Glady Fork Mining, Inc. (Permit D-35-82) Bond Forfeiture Near Buckhannon, Upshur and Lewis Counties, WV	Mr. Charles Miller West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Alkaline Mine Drainage Treatment Facility – \$3,000,000.00 AMD plant design that incorporated a single treatment train capable of handling 1,000 gallons per minute of alkaline mine drainage with 15 ppm of total iron and included necessary piping and seating for a second treatment train if future needs arise. Relining existing boreholes to eliminate mine discharge interruptions, design and construction of 2,500 linear feet of gravity fed plant intake line from the boreholes to the plant site, and an active chemical treatment plant. The treatment plant included an aeration basin (concrete), flocculator (concrete), chemical feed building, settling basin (concrete), sludge thickener (concrete), and geo-tube sludge disposal system with overflow catchment and re-treatment capabilities.	\$3,000,000	99%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD (Cont.).				
PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Weaver Portals and Highwall, Phase I and II WVAML Near Junior, Randolph County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Surveying and Mapping; 97,000 Yards Mass Balance; 20 Wet Mine Seals, Six Limestone Beds with Flush Ponds, H&H Studies for 25 Ditches, and 10 Pipes; Sediment Control Design; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$ 2,400,000	100%
Summit Park PSD Waterline Extension Feasibility Study (I.D. No. 288) WVAML Bridgeport, Harrison County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Groundwater and Surface Water Investigation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Mapping; Preliminary Investigation and Report; AML & R Grant Supporting Documents; Mapping and CADD	\$250,000.00 to \$1,100,000.00 (Estimated)	100%
Tunnelton (Dillsworth) Landslide WVAML Tunnelton, Preston County, WV	Mr. Michael Richardson, P.M. West Virginia Department of Environmental Protection 601 57 th Street, SE – Box 20 Charleston, WV 25304	Surveying and Mapping; 84 foot long by 18 foot high Gabion Basket Retaining Wall Design; Groundwater and Surface Water Investigation; H&H Studies for 214 feet of Subsurface Drains, 2 Pipes, Manhole, and Drop Inlet; Traffic Control and Pavement Repair Plan, Sediment Control Design; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$323,000	100%
Arlington (Cox) Drainage Clarksburg, Harrison County, WV	Mr. Michael Richardson, P.M. West Virginia Department of Environmental Protection 601 57 th Street, SE – Box 20 Charleston, WV 25304	Surveying and Mapping; Two (2) Wet Mine Seal Designs; Groundwater and Surface Water Investigation; H&H Studies for 198 feet of Subsurface Drains, 2 Ditches, and 1 Pipe; Mine Dewatering and AMD Treatment Plan, Sediment Control Design; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$294,000	100%
Sauls Run Strip and Landslide Near Weston, Lewis County, WV	Mr. Michael Richardson, P.M. West Virginia Department of Environmental Protection 601 57 th Street, SE – Box 20 Charleston, WV 25304	Surveying and Mapping; Subsurface Investigation; 59,350 Yards of Balanced Earthwork; H&H studies and design for 2,764 feet of Ditches, 500 feet of Subsurface Drains, five (5) Pipes, and two (2) Headwalls; Traffic Control and Pavement Repair Plan; Sediment Control Design; and Vegetation design. Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$980,000	100%
Charles and Donice McElwain Waterline Extension Feasibility Study (I.D. No. 271) WVAML Cowen, Webster County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Groundwater and Surface Water Investigation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Mapping; Preliminary Investigation and Report; AML & R Grant Supporting Documents; Mapping and CADD	\$104,000	100% (Study) (Design 0% Complete)

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD (Cont.).				
PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Charles and Donice McElwain Waterline Extension Feasibility Study (I.D. No. 271) WVAML Cowen, Webster County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Groundwater and Surface Water Investigation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Mapping; Preliminary Investigation and Report; AML & R Grant Supporting Documents; Mapping and CADD	\$104,000	100% (Study) (Design 0% Complete)
Hodgesville PSD Waterline Extension Feasibility Study (I.D. No. 275) WVAML Buckhannon, Upshur County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Groundwater and Surface Water Investigation; Pre and Post SMRCA Mining Investigation; Resident Interviews, Mapping; Preliminary Investigation and Report; AML & R Grant Supporting Documents; Mapping and CADD	\$237,000	100% (Study) (Design 0% Complete)
Old Bridgeport Hill Mine Drainage, Phase II; WVAML Bridgeport, Harrison County, WV	Mr. Gregg Smith, P.E. West Virginia Department of Environmental Protection 209 South Main Street Philippi, WV 26416	Surveying and Mapping; Construction Water Treatment and Controlled Release Plan, H&H Studies for Ditch, Pipe, and Drop Inlet Designs; design four Wet Mine Seals, Sediment Control Design; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$311,500	100%
Flint Run East Acid Mine Drainage Reclamation Project; Ohio AML; Wellston, Jackson County, Ohio	Ms. Nancy Seger, P.E. Ohio Department of Natural Resources Division of Mineral Resources Management 1855 Fountain Square Court, Building H-2 Columbus, OH 43224	Mapping; Passive Acid Mine Drainage Treatment Design; H&H Studies for Impoundments, Channels, Ditch Designs; Sediment Control Design; Environmental Permits; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$2,041,000	100%
Murray City AMD and Art Project; Watershed AML Project; Murray City, Hocking County, Ohio	Mr. Mike Steinmaus, Director Monday Creek Restoration Project P.O. Box 129 New Straitsville, OH 43766	Mapping; Passive Acid Mine Drainage Treatment Design; H&H Studies for Impoundments, Channels, Ditch Designs; Sediment Control Design; Environmental Permits; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$650,000	0% (Design 100% Complete)
Flint Run Acid Mine Drainage Reclamation Project; Ohio AML; Wellston, Jackson County, Ohio	Ms. Nancy Seger, P.E. Ohio Department of Natural Resources Division of Mineral Resources Management 1855 Fountain Square Court, Building H-2 Columbus, OH 43224	Mapping; Passive Acid Mine Drainage Treatment Design options based on cost/benefit analysis; H&H Studies for Impoundments, Channels, Ditch Designs; Sediment Control Design; Environmental Permits; Vegetation Design; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$4,710,000	100%

15. (Cont) CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD (Cont.).

PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Fisher – Mill Creek Bank Stabilization Project Ripley, Jackson County, WV	Mr. Gene Saurborn, P.M. West Virginia Conservation Agency 4720 Brenda Lane Charleston, WV 25305	Surveying and Mapping; Subsurface Investigation Plan; Geotechnical Testing; Construction Plans and Specifications for 148-foot long Drilled Pile and Lag Wall; Bid Schedule; Engineers Estimate; Pre-Bid and Pre-Construction; Construction Inspection.	\$284,000	100%
Laurel Lake Sediment Project Lenore, Mingo County, WV	Mr. Gene Saurborn, P.M. West Virginia Conservation Agency 4720 Brenda Lane Charleston, WV 25305	Surveying and Mapping; Subsurface Investigation Plan; Hydrographic Surveying; Geotechnical Testing; Construction Plans and Specifications for dredging 50,000 C.Y.; Park Access Road; Bid Schedule; Engineers Estimate	\$1,000,000	100%
Berger – Harmon Creek Bank Stabilization Project Near Weirton, WV	Mr. Gene Saurborn, P.M. West Virginia Conservation Agency 4720 Brenda Lane, Building Five Charleston, WV 25305	Surveying and Mapping; Subsurface Investigation and Report of Findings; Alternatives for Mitigation including Buy-Out and 45-foot long by 12-foot high Gabion Basket Wall Design; Engineers Estimate	N/A	100%
Danehart Acid Mine Drainage Reclamation Project; Ohio AML; Yorkville, Belmont County, Ohio	Mr. Scott McDiffitt, E.I. Ohio Department of Natural Resources Division of Mineral Resources Management 2050 East Wheeling Avenue Cambridge, OH 43725	Mapping; Subsurface Investigation; Geotechnical Testing; H&H studies for Channels, Ditch, Subsurface Drain Designs; Retaining Wall Design; Sediment Control Design; Environmental Permits; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$50,950	100%
Nutters Tipple D-716; Bond Forfeiture Reclamation Project; New Straitsville, Perry County, Ohio	Mr. Ron Trivisonno, P.E. Ohio Department of Natural Resources Division of Mineral Resources Management 1855 Fountain Square Court, Building H-2 Columbus, OH 43224	Mapping; Subsurface Investigation; Geotechnical Testing; H&H studies for Channels, Ditch, Subsurface Drain Designs; Sediment Control Design; Environmental Permits; Vegetation Design; Construction Plans and Specifications; Calculation Brief; Engineers Estimate; Reports and Invoicing.	\$96,247	100%
Weatherford Entrance Road Design Upshur Co., WV	Weatherford International, Ltd. 300 Summers St., Suite 820 Charleston, WV 25301	Surveying and Mapping, Road Approach Permit, Construction Plans and Specifications, Calculation Brief, Engineers Estimate, Reporting and Invoicing	\$750,000	100%
Upper Tract Bridge WVDOH Bridge Project Upper Tract, Pendleton County, County, WV	Mr. Chad Lowther, P.E. West Virginia Division of Highways Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	Surveying and Mapping, H & H Study on South Branch of Potomac River, Road Approach and Bridge Design, Construction Plans and Specifications, Calculation Brief, Engineers Estimate, Reporting and Invoicing	\$1,400,000	100%
Route 35 Project No. U327-35-12.02 WVDOH Road Project Couch to Coast Guard Road Mason County, WV	Mr. Chad Lowther, P.E. West Virginia Division of Highways Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	Surveying and Mapping, H & H Study Box Culverts, Pipes, Road Design, Construction Plans and Specifications, Calculation Brief, Engineers estimate, Reporting and Invoicing	\$14,000,000	100%

15. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD (Cont.).				
PROJECT NAME , TYPE, AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
Buffalo Bridge WVDOH Bridge Project Buffalo, Putnam County, WV	Mr. Steve Campbell West Virginia Division of Highways District One 1334 Smith Street Charleston, WV 25305	Surveying and Mapping, H & H Study on Cross Creek, Road Approach and Bridge Design, Construction Plans and Specifications, Calculation Brief, Engineers estimate, Reporting and Invoicing	\$1,770,000	100%
Appalachian Corridor H, Section 6, Davis to Bismark; Four Lane Roadway; Grant County, WV	WVDOT, Division of Highways 1900 Kanawha Boulevard, East Charleston, WV 25305	Surveying, Subsurface Investigation, Slope Stability, H&H Studies for Box Culverts, Pipes, Construction Plans and Specifications for Four Lane Roadway	\$14,000,000	0% (Design 100% Complete)
Mile Branch Truss Bridge WVDOH Bridge Project Ieager, McDowell County, WV	Mr. Chad Lowther, P.E. West Virginia Division of Highways Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	Surveying and Mapping, H & H Study on Dry Fork, Road Approach and Bridge Design, Construction Plans and Specifications, Calculation Brief, Engineers estimate, Reporting and Invoicing	\$500,000	100%
Davis Creek Bridge Construction Inspection	WVDOT Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	I-64 Construction Observation	\$563,000	100%
MCS&T Source Inspection	WVDOT Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	On-Site Materials Control Sampling and Testing	\$50,000	100%
Statewide Survey Contract	WVDOT Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	Surveying on Task Order Basis for Topographical Mapping of Bridges, Intersections, and Safety Issues.	\$750,000	100%
Coalfields Expressway	WVDOT Building 5, Room A317 1900 Kanawha Boulevard Charleston, WV 25305	Quantity Surveying on 13 miles of Four Lane Design/Build Highway	\$300,000	50%
Greenland Gap Wind Mills	M A Mortenson P.O. Box 710 Minneapolis, MN 55440	Surveying, Access Road Design, Wind Mill Pad Design, Drainage Design, E & S Storm Water Management, NPDES Permitting, QA/QC	\$300,000,000	Design 100% Survey 100% QA/QC 100%
TOTAL NUMBER OF PROJECTS: 47 (Others available upon request)			TOTAL ESTIMATED CONSTRUCTION COSTS: \$ 517,000,000+	

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS.					
PROJECT NAME , TYPE, AND LOCATION	NATURE OF YOUR FIRM'S RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	
				ENTIRE PROJECT	YOUR FIRM'S RESPONSIBILITY
Christopher Hall Science Building Expansion; Buckhannon, West Virginia	Surveying, Subsurface and Geotechnical Investigation, Site design, Balanced Earthwork Grading, Utility Hook-ups, Drainage	West Virginia Wesleyan College c/o Zimmer Gunsul Frasca 1800 K Street Suite 200 Washington, DC 20006	2003	\$7,000,000.00	\$24,000.00
Summers County Board of Education New Talcott Elementary School Talcott, West Virginia	Surveying, Subsurface and Geotechnical Investigation, Site design, Balanced Earthwork Grading, Utility Design, Drainage	J. Dan Snead & Associates, Inc. 101 North Kanawha Street Suite 203 Beckley, West Virginia 25801	2007	Unknown	\$22,500.00

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS DESIGNATED THE ENGINEER OF RECORD.

PROJECT NAME & TYPE	LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Hard Rd. & Claddaugh Rd. Study	Dublin, OH	City of Dublin 5800 Shier-Rings Road Dublin, OH 43017	N/A	2007	N/A
Perimeter Loop & Holt Road Study	Dublin, OH	City of Dublin 5800 Shier-Rings Road Dublin, OH 43017	N/A	2007	N/A
Hillsdowne Road Study	Westerville, OH	City of Westerville	N/A	2007	N/A
Teays Valley Middle School Traffic Study		Teays Valley Local School District	N/A	2007	N/A
SR 161 & High School Drive Signal Upgrade	Dublin, OH	City of Dublin 5800 Shier-Rings Road Dublin, OH 43017	\$210,000	2007	No
Georgesville Road Turn Lane Improvements	Columbus, OH	City of Columbus 109 N. Front St. Columbus, OH 43215	\$75,000 (fee)	2007	No
Dana Avenue & I-71 Traffic Impact & Interchange Modification Studies	Cincinnati, OH	ODOT District 8 505 South SR 741 Lebanon, OH 45036 (and City of Cincinnati)	\$63,000 (fee)	2007	N/A
Bridge Street & Riverside Drive Intersection Improvement Study	Dublin, OH	City of Dublin 5800 Shier-Rings Road Dublin, OH 43017	\$43,000 (fee)	2007	N/A
Avery Muirfield Drive & Tullymore Drive Intersection Improvement Study	Dublin, OH	City of Dublin 5800 Shier-Rings Road Dublin, OH 43017	\$64,000 (fee)	2007	N/A
SR 317 Traffic Study Traffic Impact Study	Columbus, OH	ODOT District 6 400 East Williams Street Delaware, OH 43015	\$16,000 (fee)	2007	N/A
Cosgray Road Turn Lane Improvements	Hilliard, OH	Rockford Homes 999 Polaris Parkway Columbus, OH 43240	\$230,000	2007	Yes
Larcomb Road Bridge Replacement	Delaware, OH	Delaware County Engineer 50 Channing Street Delaware, OH 43015	\$535,000	2007	Yes
London Culvert Replacement	London, OH	City of London Safety-Service Director 6 East Second Street London, OH 43140	\$180,000	2007	Yes

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS DESIGNATED THE ENGINEER OF RECORD.

PROJECT NAME & TYPE	LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
DEF/HEN-24-12.03 Two New Bridges	Defiance, OH	ODOT District One 1885 McCullough Street Lima, OH 45801	\$3,124,000	2007	Under Construction
Sugar Creek Access Road Private Road and Bridge	Greene Co., OH	Malcolm Pirnie 1900 Polaris Parkway, Suite 2000 Columbus, OH 43240	\$260,000	2007	Under Construction
Clime Road Widening Right of Way Acquisition	Columbus, OH	Franklin County Engineer 910 Dublin Road Columbus, OH 43215	\$72,300 (fee)	2007	N/A
London-Groveport Road Right of Way Acquisition	Grove City, OH	City of Grove City 4035 Broadway Grove City, OH	\$99,350 (fee)	2007	N/A
Weaver Highwall and Mine Drainage, Phase I	Weaver, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$1,200,000	2008	Yes
Weaver Highwall and Mine Drainage, Phase II	Weaver, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$1,300,000	2008	Yes
Laurel Valley (Daniels) Landslide	Lost Creek, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$230,000	2008	Yes
Price Hill Airshaft and Buildings	Price Hill, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$575,000	2009	Yes
Sandy Run Highwall and Portals	Kingwood, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$493,000	2009	Yes

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS DESIGNATED THE ENGINEER OF RECORD.

PROJECT NAME & TYPE	LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Howesville Sites	Howesville, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$575,000	2009	Yes
Hampton Number Four Maintenance	Clothier, Boone County, WV	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 850,000	2010	Yes
Racine (Bradshaw) Portals	Racine, Boone County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 410,000	2010	Yes
Church Creek/Manown Highwall	Kingwood, Preston County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 2,500,000	2011	On-Going
WVDEP Mapping Contract –North Region	Northern Coal Producing Counties	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	N/A	2011	Yes
WVDEP Mapping Contract –South Region	Southern Coal Producing Counties	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	N/A	2011	Yes
Scott Road and Findley Road Waterline Extension Feasibility Study, I.D. No. 356	Norton, Randolph County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$259,600	2011	Awaiting Funding
Lewis County EDA Waterline Extension Feasibility Study, I.D. No. 374	Pricetown, Lewis County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$2,276,000	2011	No (Didn't Qualify for Funding)
Bergoo Waterline Extension Feasibility Study, I.D. No. 351	Bergoo, Webster County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$1,788,000	2011	No (Didn't Qualify for Funding)

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS DESIGNATED THE ENGINEER OF RECORD.

PROJECT NAME & TYPE	LOCATION	NAME & ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Birds Creek Number Four	Kingwood, Preston County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 999,000	2011	Yes
WVDEP Mapping Contract –South Region	Southern Coal Producing Counties	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	N/A	2011	On-Going
Pageton (Lambert) Portals	Pageton, McDowell County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 1,100,000	2011	No
Sauls Run (Carpenter) Landslide	Weston, Lewis County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 450,000	2011	Yes
Greenbrier Hollow Refuse	McDowell, McDowell County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 712,000	2011	No
Webster County Point Mountain Waterline Extension Feasibility Study, I.D. No. 384	Webster Springs, Webster County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	N/A	2011	No (Didn't Qualify for Funding)
Town of Newburg Waterline Extension Feasibility Study, I.D. No. 392	Newburg, Preston County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	N/A	2011	Awaiting Funding
Tub Run Highwall and Refuse Phase I	Thomas, Tucker County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 2,300,000	2011	On-Going
Tub Run Highwall and Refuse Phase II	Thomas, Tucker County, West Virginia	WVDEP, Office of Abandoned Mine Lands 601 57 th St. SE, Box 20 Charleston, WV 25340	\$ 2,800,000	2011	No

18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONTRACTOR 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	CONTRACTED (YES OR NO)	FIRM ASSOCIATED WITH
Group Nine Intersection Improvements Traffic Design	City of Columbus 109 N. Front Street Columbus, Ohio 43015	\$45	1997	Yes	Dynotec Engineering
Morse Bethel Road Connector Right-of-Way Studies	City of Columbus 109 N. Front Street Columbus, Ohio 43015	N/A	1998	N/A	Burgess & Niple

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.

Stantec can provide one-stop shopping for the West Virginia Special Reclamation Program. Work, including surveying, development of mapping from field surveys or aerial photography, site design, CADD operations, water testing, hazmat testing, calculations, plans, and specifications associated with this task order contract completed in-house. Stantec carefully selected sub-contractors, successfully used in the past, to perform drilling and chemical testing of soils, rock, and coal that have experience and are extremely familiar with West Virginia Special Reclamation Program. Stantec has EOI-specific corporate and employee experience with mine permitting and highwall reclamation engineering, mine seals, drainage control structures and facilities, passive treatment of AMD, debris and waste handling and disposal plan, and revegetation of drastically disturbed areas. Stantec also has EOI-experience in surveying and mapping, subsurface investigations, H & H studies, construction plans and specifications, calculations, conducting associated bid meetings, and necessary reports and invoicing procedures. Stantec has corporate experience on over one hundred (123) WVAML Projects, twelve (12) ODNr AML projects, and employee experience on another fifteen (15) WVAML Projects. In addition, Stantec has completed eight (8) AML Related projects for the West Virginia Conservation Agency. Stantec personnel stay abreast of current developments and technological advances in Mine reclamation and acid mine drainage by attending seminars and symposiums on the subjects. In the past, Stantec has attended the WV Surface Mining Task Force Symposium in Morgantown, WV; the National Association of Abandoned Mine Lands Symposium in Athens, OH; West Virginia University Natural Stream Restoration Program in Morgantown, WV; 404/401 Permit Training in Charleston, WV; and State and Local Mitigation Planning in Buckhannon, sponsored by FEMA and WVOES.

20. The foregoing is a statement of facts.

The foregoing is a statement of facts.

Signature: 

TITLE: Principal

DATE:

June 28, 2012

Printed Name: Dennis E. Miller, Principal

OSR AND RELATED PRC

EXPERIENCE MATRIX

PROJECTS	EXP. BASIS C=Cooperation P=Personal	Additional Info Provided in Section(s)	PROJECT EXPERIENCE REQUIREMENTS																PRIMARY STAFF PARTICIPATION/CAPACITY M=Management P=Professional								
			Forfeited Surface Mine Reclamation	Forfeited Deep Mine Reclamation	Portal Shaft Closure	Hydrologic/Hydraulic Design Evaluation	Remining Evaluation	Mine Refuse Ine Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation Mitigation/Replacement	Construction Inspection / Management	Water Treatment	Equipment - Structure Removal	Stream Restoration	Geotechnical Stability	NPDES Stormwater preparation	Jedd Lemasters, P.E. Project Manager	Deems Miller Survey Manager	Randy Collins, P.S. Designer	Steve Sample P.E. S Project Manager	Garland Steele, P.E. QA/QC Manager	6 Survey Crews	10 CADD Operators		
Tub Run Highwall and Refuse Phase II	C	Pp. 4	X	X	X	X				X	X			X	X			X	M	M	M			P	P		
Tub Run Highwall and Refuse Phase I	C	Pp. 4	X			X					X				X			X		M	M			P	P		
Newburg Waterline Feasibility Study	C	Pp. 4				X						X		X							P				P		
Point Mtn. Waterline Feasibility Study	C	Pp. 4				X						X		X			X				P				P		
Greenbrier Hollow Refuse	C	Pp. 4	X	X	X	X					X			X	X				M	M	M			P	P		
Sauls Run (Carpenter) Landslide	C	Pp. 4	X	X	X	X					X			X	X		X	X		M	M			P	P		
Pageton (Lambert) Portals	C	Pp. 4	X	X	X	X					X			X	X			X	M	M	M			P	P		
Birds Creek #4	C	Pp. 5	X	X	X	X					X			X	X			X		M	M			P	P		
Church Creek/Manaworn Highwall	C	Pp. 5	X			X	X				X				X	X		X		M	M			P	P		
Racine (Bradshaw) Portals*	C	Pp. 5		X	X	X					X				X	X				M	M			P	P		
Hampton #4 Maintenance*	C	Pp. 5	X				X					X	X			X	X	X		M	M		P	P	P		
Howesville Sites*	C	Pp. 6	X	X	X	X				X	X	X			X	X	X	X			P			P	P		
Sandy Run Highwall and Portals*	C	Pp. 6	X	X	X	X				X	X	X			X	X	X	X			P			P	P		
Wilsie-Rosedale Waterline Feasibility I.D. // 324*	C	Pp. 6					X					X		X			X	X			P				P		
Laurel Valley (Daniels) Landslide*	C	Pp. 6	X				X				X						X	X			P		P	P	P		
Price Hill Airshaft/Buildings*	C	Pp. 6		X	X	X					X	X		X	X		X	X		M	M			P	P		
Gladly Fork AMD Trmt. Plant.****	C	Pp. 7		X			X				X	X	X	X			X	X			P		P	P	P		
Weaver Portals, Ph. I & II*	C	Pp. 6	X	X	X	X			X		X	X	X	X	X	X	X	X			P		P	P	P		
Nixon Run AMD*	C	Pp. 7	X	X	X	X					X	X		X	X	X	X	X			P		P	P	P		
Taylor Waterline Feasibility, I.D. // 309*	C	Pp. 7					X					X		X							P				P		
Poplar Ridge Waterline Feasibility, I.D. // 298*	C	Pp. 7					X					X		X							P				P		
Summit Park Waterline Feasibility I.D. // 288*	C	Pp. 8					X					X		X							P				P		
Fairmont (Hendrickson) Subsidence*	C	Pp. 9		X			X			X		X	X				X	X			P		M	P	P		
Tunnelton (Dillsworth) Landslide*	C	Pp. 9		X			X			X	X	X			X			X			M		P	P	P		
Arlington (Cox) Drainage*	C	Pp. 7		X	X		X			X		X		X			X	X			M		P	P	P		
Sauls Run Strip and Landslide*	C	Pp. 9	X				X				X		X			X	X	X			M		P	P	P		
Hodgesville Waterline Feasibility I.D. // 275*	C	Pp. 8					X					X		X							M				P		
McElwain Waterline Feasibility I.D. // 271*	C	Pp. 8					X					X		X											P		
Old Bridgeport Hill Mine Drainage, Ph II*	C	Pp. 6	X	X	X	X			X		X	X		X	X	X	X	X			M		P	P	P		
Flint Run East Acid Mine Drainage**	C	Pp. 9	X				X			X		X	X		X	X	X	X			M		P	P	P		
Murray City AMD and Art Project***	C	Pp. 8		X	X		X				X	X		X							M			P	P		
Dandchart Acid Mine Drainage**	C	Pp. 9	X				X			X		X	X		X			X	X		M		P	P	P		
Nutters Tipple Bond Forfeiture**	C	Pp. 8	X				X				X	X			X	X	X	X			M		P	P	P		
Lake Milton Acid Mine Drainage*	C	Pp. 10	X				X					X	X		X	X	X	X			M		P	P	P		
Fisher-Mill Creek Bank Stabilization*****	C	Pp. 40					X	X		X		X			X		X	X			P		P	P	P		
Cunningham Run Surface Mine Application	C	Pp. 13					X			X			X				X	X			M						
Beartown Surface Mine Application	C	Pp. 13					X			X			X				X	X			M						
South Mapping AML	C	Pp. 5	X	X	X	X	X	X		X		X	X		X	X	X	X			P	M					
North Mapping AML	C	Pp. 5	X	X	X	X	X	X				X	X		X	X	X	X			P	M					
South Mapping AML	C	Pp. 4	X	X	X	X	X	X		X		X	X		X	X	X	X			P	M					
North AML Cadd Services	C	Pp. 3	X				X					X	X		X		X	X			P	M					
* West Virginia AML Project ** Ohio AML Project *** Ohio Watershed Group Project **** West Virginia Spec Rec Project ***** West Virginia Conservation Agency																											

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STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §6A-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.

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: STANTEC CONSULTING SERVICES INC.

Authorized Signature: [Signature] Date: June 28, 2012
Dennis E. Miller, Principal

State of West Virginia

County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 28 day of June, 2012.

My Commission expires April 23, 2014.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

