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 St. Albans, West Virginia 25177  
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 Fx. 304-201-8983  
 www.qk4.com

December 08, 2010

Chuck Bowman, Buyer Supervisor  
 West Virginia Department of Administration  
 Purchasing Division  
 2019 Washington Street, East  
 P O Box 50130  
 Charleston, WV 25305-0130

**Expression of Interest  
 Engineering Design Services and Construction Monitoring Services at the  
 Cartright Branch Refuse Pile Project  
 Logan County, WV  
 RFQ # DEP15232**

Dear Mr. Bowman:

Qk4 is pleased to submit this Expression of Interest to provide professional engineering services to the West Virginia Department of Environmental Protection (WVDEP), Office of Abandoned Mine Lands and Reclamation (AML), for Cartright Branch Refuse Pile Project in Logan County, West Virginia.

Qk4 is a multi-disciplinary firm with a staff of 100 professionals, consisting of civil and structural engineers, planners, architects, landscape architects, environmental specialists and right-of-way acquisition specialists. The firm is headquartered in Louisville, Kentucky and maintains offices in (St. Albans, West Virginia; Frankfort, Kentucky; New Albany, Indiana; Atlanta, Georgia; Ormond Beach, Florida; and Bristol, Tennessee.)

Qk4 staff has previous AML experience including Glen White Air Shafts (DEP #14270), Delbarton (Dardi) Mine Portals (DEP#14524), Hazy Creek (Sprouse) Portals (DEP#14946), and Jonben Refuse Pile Project (DEP#15184). If necessary, two sub-consultants will be utilized on the Richardson Branch Complex Project, NGE, LLC for geotechnical services, and Terradon Corporation for surveying services. Both firms have staff with extensive experience on AML projects.

We look forward to an opportunity to interview for this project. Should you have any questions regarding this submittal or Qk4, please contact me at (304) 201-8980 or at mnewton@qk4.com.

Sincerely yours,

Steven M. Newton, PE, PS  
 Regional Office Manager

RECEIVED

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PURCHASING DIVISION  
 STATE OF WV

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## **EVALUATION CRITERIA**

### **A. WV Registered Professional Engineers (Civil or Mining) in the Primary Office:**

The primary office for the performance of this work will be our office in St. Albans, WV. There is one West Virginia registered professional in this office, Steven M. Newton, PE, PS.

Our geotechnical sub-consultant on this project will be NGE, LLC. There are two West Virginia registered professional engineers in their primary office in St. Albans, WV, John Nottingham, PE and Larry Nottingham, PE.

### **B. Reclamation Engineering design experience of the Primary office's WVRPE as it relates to the specific project problem areas:**

Mr. Steven M. Newton, PE, PS is the Office Manager and principal engineer in the St. Albans, WV office. He has 32 years of general civil engineering experience including AML Reclamation projects and other types of projects such as site development, drainage, structural, etc., that include the same common design elements as AML projects such as grading, drainage design, erosion and sediment control, permits, etc.

### **C. Available WV-AML Design Teams within the Primary Office:**

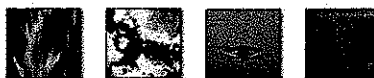
There is one available WV-AML team within the primary office in St. Albans, WV. It will consist of:

Steven M. Newton, PE, PS  
Mat McDougal  
Eric Mercer  
Kristin Lilly

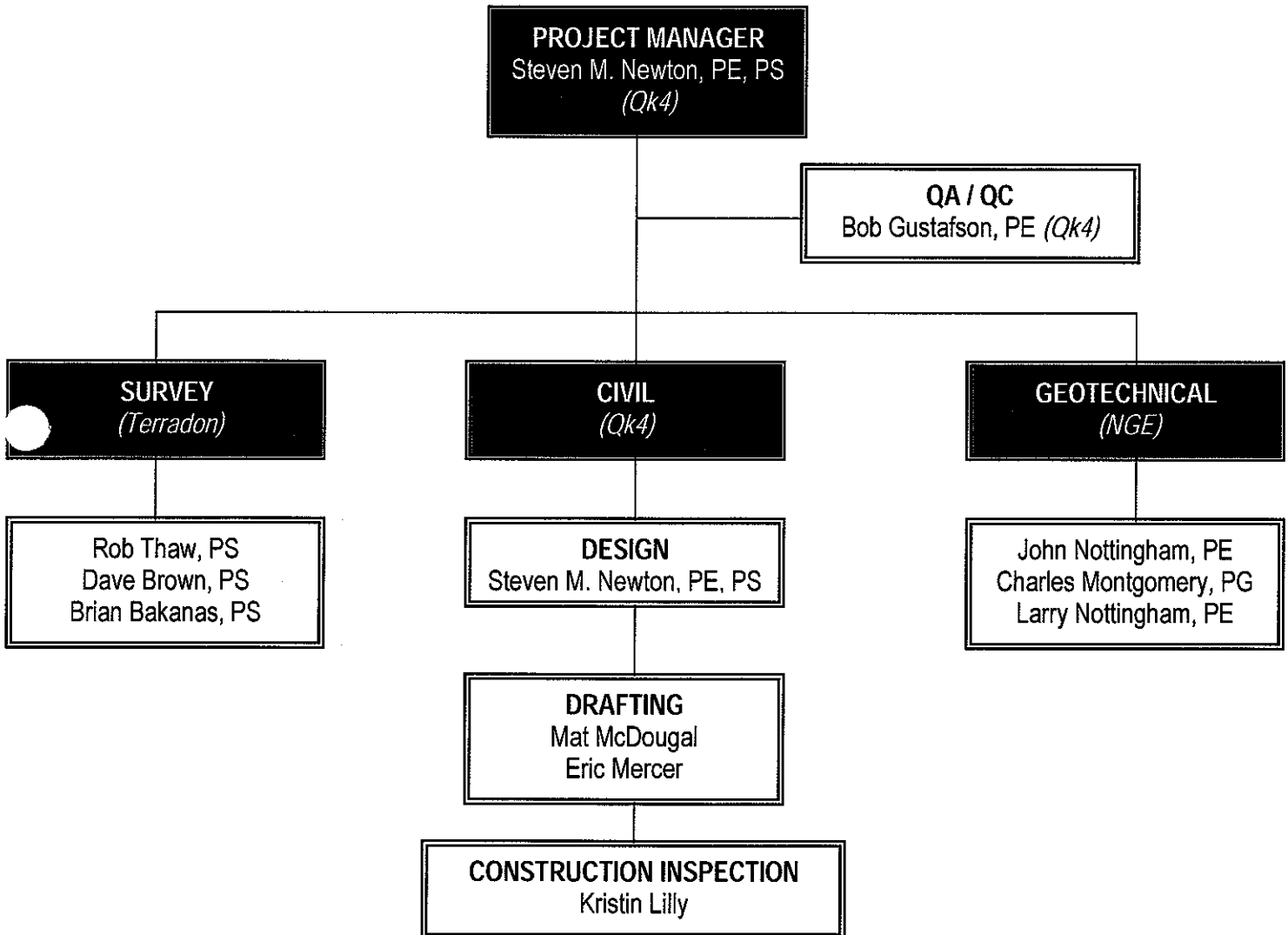
Project Manager / Project Engineer  
Engineering Technician / CAD Designer  
CAD Drafter  
Construction Inspector

### **D. The Oral Interview:**

If we are chosen for an interview, it will be attended by Steven M. Newton and Mat McDougal.



## PROJECT TEAM



## **STEVEN M. NEWTON, PE, PS**

Regional Office Manager, West Virginia / Project Manager

**33 YEARS EXPERIENCE  
23 YEARS WITH Qk4**

### **EDUCATION**

Speed Scientific School  
University of Louisville

### **REGISTRATIONS**

PE / 1984 / KY / 13967  
PE / 1985 / IN / PE21204  
PE / 1995 / NC / 20940  
PE / 1995 / PA / 048599R  
PE / 2000 / WV / 14389  
PLS / 1983 / KY / 2664  
PLS / 1990 / TN / 1593  
PLS / 1990 / IL / 035-0029481  
PLS / 2000 / WV / 2023

### **AFFILIATIONS**

American Council of Engineering Companies  
American Society of Civil Engineers  
National Society of Professional Engineers  
West Virginia Rural Water Association

### **ADDITIONAL EDUCATION**

Introduction to Stream Functions and Processes  
Methods for Stream Channel Assessment and  
Analysis  
Natural Stream Channel Design  
Advanced Natural Stream Design and Monitoring  
State & Federal Legislative Issues  
WV Infrastructure Forum; ACEC  
Copyright Protection of Engineering, Architectural  
and Construction Documents  
Basics of Project Financing  
Trenchless Technology Pipeline Rehabilitation  
Methodologies  
Work Zone Traffic Control; WVDOH  
Dendrology (Tree Identification) - KY

Mr. Newton has experience in a wide array of civil engineering projects for both public and private clients, including commercial developments, drainage improvement projects, landfills, residential developments, transportation, wastewater, and water projects. His project experience includes scheduling, planning, preliminary design, final design, cost estimates, easements / right-of-way acquisition, bidding, and construction management. He has also managed the surveying tasks associated with all of the above, including alta surveys, boundary surveys, condominium plats, descriptions, easement plats, major and minor subdivision plats, right-of-way plats, topographic surveys, etc.

Mr. Newton's AML design experience includes:

**Jonben Refuse Pile Project DEP #15184**  
Raleigh County, West Virginia

**Hazy Creek (Srouse) Portal DEP #14947**  
Raleigh County, West Virginia

**Delbarton (Dardi) Portals DEP #14524**  
Mingo County, West Virginia

**Glen White Air Shafts DEP #14270**  
Raleigh County, West Virginia

Mr. Newton's Rural Highway Drainage design experience includes:

**US 119 - Corridor G**  
Kanawha County, West Virginia

Mr. Newton's Rural Site design experience includes:

**Cobblestone Subdivision**  
Putnam County, West Virginia

Mr. Newton's Drainage design experience includes:

**Beech and Fir Streets Drainage Improvements**  
Putnam County, West Virginia



## **JONBEN REFUSE PILE PROJECT DEP#15184**

Raleigh County, West Virginia

### **CLIENT**

WVDEP  
Office of Abandoned Mine Lands and  
Reclamation  
116 Industrial Drive  
Oak Hill, West Virginia 25901  
Mark Proctor  
304.465.1911

This project includes a Preliminary Site Visit, Research of utilities, Conceptual Design Meeting, Preliminary Design, Final Design, Quantities, Cost Estimate, Construction Specifications, Site Visits, a Pre-Bid Meeting and a Pre-Construction Meeting.

This project includes the re-grading of a five (5) acre refuse area. The plan set will include a Cover Sheet, Plan Sheets, Details, and Erosion and Sediment Control.

### **DATES**

November 2010 - Present

### **PROJECT TYPE**

Mine Reclamation

### **PROJECT LENGTH / SIZE**

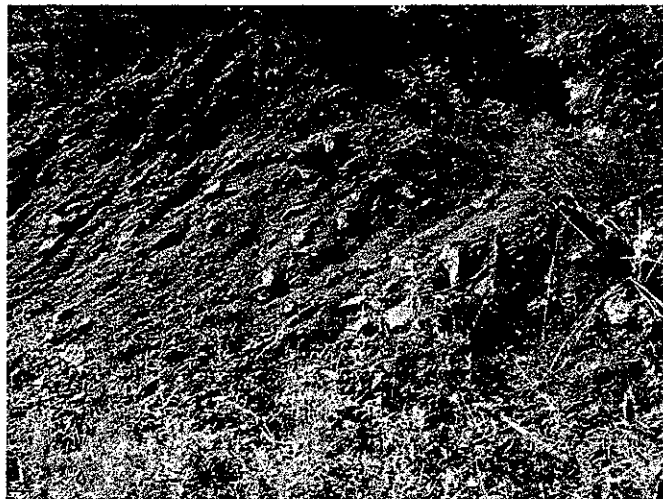
5 Acres

### **KEY PERSONNEL**

Steven M. Newton, PE, PS  
Mat McDougal

### **SERVICES PROVIDED**

Reclamation Plans  
Specifications  
Cost Estimates



## **HAZY CREEK (SPROUSE) PORTAL DEP#14947**

Raleigh County, West Virginia

### **CLIENT**

WVDEP  
Office of Abandoned Mine Lands and  
Reclamation  
116 Industrial Drive  
Oak Hill, West Virginia 25901  
Mark Proctor  
304.465.1911

### **DATES**

May 2010 - Present

### **PROJECT TYPE**

Mine Reclamation

### **PROJECT LENGTH / SIZE**

Stream Bank Protection, Coal Refuse,  
Mine Portal

### **KEY PERSONNEL**

Steven M. Newton, PE, PS  
Mat McDougal

### **SERVICES PROVIDED**

Surveying  
Reclamation Plans  
Specifications  
Cost Estimates

This project includes a Preliminary Site Visit, Research of mine maps, utilities, etc., Surveying, Conceptual Design Meeting, Preliminary Design, Final Design, Quantities, a Cost Estimate, Construction Specifications, Site Visits, a Pre-Bid Meeting and a Pre-Construction Meeting.

This project includes the re-grading of two refuse areas along with stream bank protection. This project also includes the preparation of Reclamation Plans to seal an existing mine portal with a bat gate, and rip-rapped ditches to convey drainage to existing natural drains. This project will also remove existing mine related structures. The plan set will include a cover sheet, plan sheets, ditch profiles, bat gate detail, and ditch details, a temporary creek crossing and erosion and sediment control.



Site 1



Site 2



## **DELBARTON (DARDI) PORTALS DEP#14524**

Mingo County, West Virginia

### **CLIENT**

WVDEP  
Office of Abandoned Mine Lands and  
Reclamation  
116 Industrial Drive  
Oak Hill, West Virginia 25901  
Dean Stiltner  
304.465.1911

### **DATES**

September 2009 - Current

### **PROJECT TYPE**

Mine Reclamation

### **PROJECT LENGTH / SIZE**

14 Mine Portals

### **KEY PERSONNEL**

Steven M. Newton, PE, PS  
Mat McDougal

### **SERVICES PROVIDED**

Surveying  
Reclamation Plans  
Specifications  
Cost Estimates

This project includes a Preliminary Site Visit, Research of mine maps, railroad plans, utilities, etc., Surveying, Conceptual Design Meeting, Preliminary Design, Final Design, Quantities, a Cost Estimate, Construction Specifications, Site Visits, a Pre-Bid Meeting and a Pre-Construction Meeting.

This project includes the preparation of Reclamation Plans to seal 14 existing mine portals with either bat gates or wet seals, and rip-rapped ditches to convey drainage to an existing natural drain or railroad ditch. This project also includes demolition of existing buildings and other miscellaneous mine related structures. The plan set will include a cover sheet, plan sheets, ditch profiles, bat gate, wet seal and ditch details, a temporary creek crossing and erosion and sediment control.





## **GLEN WHITE AIR SHAFTS DEP #14270**

Raleigh County, West Virginia

**CLIENT**  
WVDEP  
Office of Abandoned Mine Lands and  
Reclamation  
116 Industrial Drive  
Oak Hill, West Virginia 25901  
Mark Proctor  
304.465.1911

**DATES**  
July 2008 – September 2009

**PROJECT TYPE**  
Mine Reclamation

**PROJECT LENGTH / SIZE**  
Two Air Shafts  
18 feet x 39 feet  
250 and 265 feet Deep

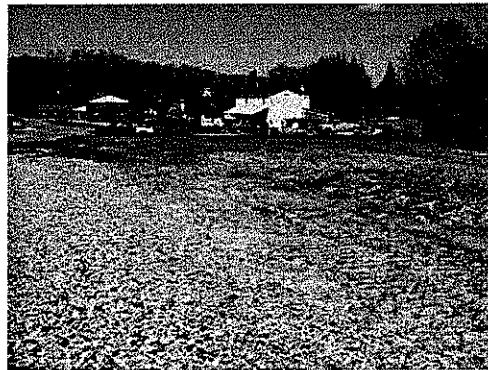
**KEY PERSONNEL**  
Steven M. Newton, PE, PS  
Mat McDougal

**SERVICES PROVIDED**  
Surveying  
Reclamation Plans  
Specifications  
Cost Estimates

**CONSTRUCTION COST**  
\$228,500

This project included a Preliminary Site Visit, Research of mine maps, highway plans, utilities, etc., Field Research, Excavation, Surveying, Conceptual Design Meeting, Preliminary Design, Final Design, Quantities, a Cost Estimate, Construction Specifications, Site Visits, a Pre-Bid Meeting and a Pre-Construction Meeting.

Reclamation plans were prepared to seal two existing air shafts. Each air shaft was 18 feet x 39 feet and approximately 250 feet and 265 feet deep. Each was backfilled with stone to a depth near the surface, capped with concrete and covered with a minimum of two feet of soil, and re-vegetated. Sites were re-graded to divert surface water away from the area. Plans consisted of a site plan, cross-sections and details for each site. Exploratory excavations of each site were required to determine accurate dimensions of each shaft.



Site 1 – Church



Site 2 – Highway



## US 119 – CORRIDOR G

Kanawha County, West Virginia

### CLIENT

Terradon Corporation  
401 Jacobson Drive  
Poca, West Virginia 25159  
Tim White  
(304) 755-8291

### DATES

January 2000 – June 2000

### PROJECT TYPE

Rural 6-Lane Divided Highway

### PROJECT LENGTH / SIZE

2.5 Miles

### KEY PERSONNEL

Steven M. Newton, PE, PS

### SERVICES PROVIDED

Drainage Plans  
Maintenance of Traffic Plans  
Retention Pond Design  
Retaining Wall  
Grading Plans  
Pavement Marking Plans  
Traffic Studies



Qk4 prepared signing plans, pavement marking plans, traffic studies, retaining wall studies, drainage design, retention pond design, and maintenance of traffic plans, for widening a segment of an existing 4-lane divided highway in the densely, commercially developed area between the Trace Fork and Davis Creek bridges, south of Charleston. Corridor "G" (US 119) is the only major highway for Charleston to southwestern West Virginia, carrying traffic volumes in excess of 50,000 vehicles per day. Construction of the \$10.2 million, 6-lane divided highway, along the existing alignment, is complete.



## COBBLESTONE SUBDIVISION

Putnam County, West Virginia

### CLIENT

Cobblestone Subdivision, LLC  
500 Corporate Centre Drive  
Suite 550  
Scott Depot, West Virginia 25560  
Mr. Blake Stevens  
304.757.9196

### DATES

January 2003 - Present

### PROJECT TYPE

Site Development

### PROJECT LENGTH / SIZE

268 acres

### KEY PERSONNEL

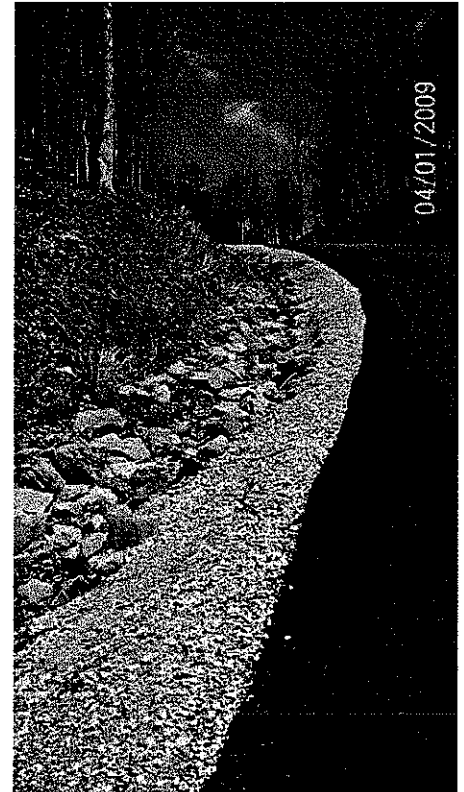
Steven M. Newton, PE, PS

### SERVICES PROVIDED

Surveying & Mapping  
Construction plans  
Permits  
Construction Staking

### CONSTRUCTION COST

Engineering - \$100,000  
Construction - 3.8 Million



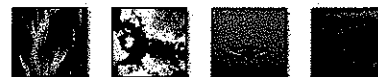
Cobblestone Subdivision is an ongoing residential subdivision of approximately 435 acres. This premier subdivision, with beautiful ridge top views, is located in Putnam County, West Virginia. This community includes the natural surroundings of nature trails, as well as the security of a gated neighborhood.

**Section One** consisted of approximately 103 acres and 57 lots. Construction was completed in January of 2003, at a cost of approximately 1.5 million dollars.

**Section Two - Phase One** consisted of 75 acres and 38 lots. Construction was completed in December of 2005, at a cost of approximately \$900,000 dollars.

**Section Two - Phase Two** consisted of 50 acres and 23 lots. Construction started in April 2007, and was completed in September, at an approximate cost of \$500,000 dollars.

**Section Three** consisted of 40 acres and 24 lots. Construction was completed in 2009, at an approximate cost of \$900,000 dollars.



# **TOWN OF ELEANOR BEECH AND FIR STREETS DRAINAGE IMPROVEMENTS**

Putnam County, West Virginia

## **CLIENT**

Town of Eleanor  
401 Roosevelt Boulevard  
P.O. Box 185  
Eleanor, West Virginia 25070 - 0185  
Fred Halstead, Mayor  
304.586.2319

## **DATES**

2002-2003

## **PROJECT TYPE**

Storm Drainage System Improvements

## **PROJECT LENGTH / SIZE**

Approximately 1,200 linear feet of storm drains  
ranging from 36 inch to 42 inch

## **KEY PERSONNEL**

Steven M. Newton, PE, PS

## **SERVICES PROVIDED**

Sewer Design  
Preparation of Required Permits  
Preparation of Construction Specifications and Bidding Documents  
Bidding Assistance  
Construction Contract Administration

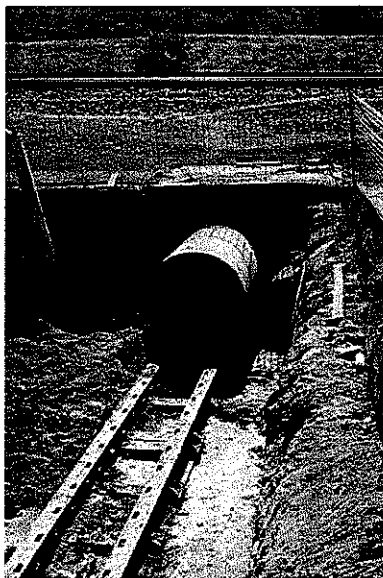
## **CONSTRUCTION COST**

Engineering - \$17,772  
Construction Cost - \$66,295

This project included all of the planning, engineering and management services necessary to develop a new routing for storm water flow of a major drainage area in the Town of Eleanor where serious residential flooding was occurring due to the inadequacy of the old system. The Fir and Beech Streets project was the first phase of an overall Master Plan (also developed by Qk4) to identify and find solutions for flooding problems in numerous areas of the town.

The rerouting of this storm water flow required a new crossing of W. Va. Route 62, the major arterial highway in the area, and a new crossing of CSX Railroad mainline track.

The new system discharges to a major drainage structure of the U.S. Army Corps of Engineers, who reviewed and approved the plan.



**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AML CONSULTANT CONFIDENTIAL ALIFICATION QUESTIONNAIRE**

**Attachmen "B"**

|  |   |   |
|--|---|---|
| PROJECT NAME<br>Design Services for the:<br>Cartright Branch Refuse Pile Project   | DATE (DAY, MONTH, YEAR)<br><br>December 8, 2010   | FEIN<br><br>61-0865261  |
| 1. FIRM NAME<br>Presnell Associates, Inc. dba Qk4  | 2. HOME OFFICE BUSINESS ADDRESS<br>815 West Market St., Suite 300<br>Louisville, KY 40202-2654                                  | 3. FORMER FIRM NAME<br>Presnell Associates, Inc.  |
| 4. HOME OFFICE TELEPHONE<br>(800) 928-2222   | 5. ESTABLISHED (YEAR)<br>1974 - Company<br>2000 - WV Office   | 6a. WV REGISTERED DBE<br>(Disadvantaged Business<br>Enterprise)<br>YES      NO X  |
| 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE<br>802 B Street, Suite 200, St. Albans, WV 25177, (304)201-8980, S. Michael Newton, PE, PS, AML Personnel - 3                       |   |   |
| 8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM<br>Robert E. Gustafson, PE; Senior VP<br>Roger J. Wade, PE, PLS; Senior VP<br>Albert H. Zimmerman, PE; VP<br>Thomas Springer, AICP, CEP; Asst.<br>VP<br>Matthew R. Houser, ASLA; Senior VP |   |   |
| 9. PERSONNEL BY DISCIPLINE   |   |   |
| 1 ADMINISTRATIVE<br>ARCHITECTS<br>BIOLOGIST<br>2 CADD OPERATORS<br>CHEMICAL ENGINEERS<br>1 CIVIL ENGINEERS<br>CONSTRUCTION INSPECTORS<br>DESIGNERS<br>DRAFTSMEN  | ECOLOGISTS<br>ECONOMISTS<br>ELECTRICAL ENGINEERS<br>ENVIRONMENTALISTS<br>ESTIMATORS<br>GEOLOGISTS<br>HISTORIANS<br>HYDROLOGISTS | LANDSCAPE ARCHITECTS<br>MECHANICAL ENGINEERS<br>MINING ENGINEERS<br>PHOTOGRAMMETRISTS<br>PLANNERS: URBAN/REGIONAL<br>SANITARY ENGINEERS<br>SOILS ENGINEERS<br>SPECIFICATION WRITERS |
| 1<br>1<br>1<br>1<br>1<br>1<br>1  | 1<br>1<br>1<br>1<br>1<br>1<br>1   | STRUCTURAL ENGINEERS<br>SURVEYORS<br>TRAFFIC ENGINEERS<br>OTHER<br>TOTAL PERSONNEL  |
| TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>1</u><br>*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.                  |   |   |
| 10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE?      X YES <input type="checkbox"/> NO  |   |   |

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire".

|  |   |   |
|--|---|---|
| <p><b>NAME AND ADDRESS:</b><br/>                 Novel Geo-Environmental, PLLC<br/>                 806 B Street<br/>                 St. Albans, WV 25177</p> | <p><b>SPECIALTY:</b><br/>                 Soils Analysis / Geotechnical Engineering</p> | <p><b>WORKED WITH BEFORE</b><br/>                 ___X___ Yes<br/>                 ___ No</p> |
| <p><b>NAME AND ADDRESS:</b><br/>                 Terradon Corporation<br/>                 401 Jacobson Drive<br/>                 Pocahontas, WV 25159</p>    | <p><b>SPECIALTY:</b><br/>                 Surveying</p>                                 | <p><b>WORKED WITH BEFORE</b><br/>                 ___X___ Yes<br/>                 ___ No</p> |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |
| <p><b>NAME AND ADDRESS:</b></p>  | <p><b>SPECIALTY:</b></p>  | <p><b>WORKED WITH BEFORE</b><br/>                 ___ Yes<br/>                 ___ No</p>     |

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

YES Description and Number of Projects: Glen White Air Shafts, DEP#14270; Delbarton (Dardi) Portals DEP#14524, Hazy Creek (Sprouse) Portals DEP#14947, Jonben Refuse Pile DEP#15184

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: \_\_\_\_\_

NO

C. Is your firm experienced in hydrology and hydraulics?

YES Description and Number of Projects: The company has practiced civil engineering since 1974. Transportation and Site Development are primary areas of practice, all of which involve hydrology and hydraulics. Approximately 150-200 projects.

NO

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

YES Description and Number of Projects: We use outside consultants for aerial photography, however we are able to develop contour mapping from digitized data.

NO

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

YES Description and Number of Projects: Water system engineering is a primary area of practice involving source development, treatment, pumping, distribution and storage. Approximately 100 projects.

NO

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

YES Description and Number of Projects: \_\_\_\_\_

NO

|   |  |   |  |
|---|--|---|--|
| <p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>                            |  |   |  |
| <p>NAME &amp; TITLE (Last, First, Middle Int.)<br/> <b>Newton, Steven M., PE, PS</b><br/> <b>Regional Office Manager - WV</b><br/> <b>Assistant Vice President</b></p>          | <p>YEARS OF AML DESIGN EXPERIENCE:<br/> <b>2</b></p> | <p>YEARS OF AML RELATED DESIGN EXPERIENCE:<br/> <b>33</b></p> | <p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br/> <b>33</b></p> |
| <p>Brief Explanation of Responsibilities</p> <p><u>Overall project management and design, budget maintenance, QA/QC, and preparation of easement acquisition documents.</u></p> |  |   |  |
| <p>EDUCATION (Degree, Year, Specialization)<br/> <b>Speed Scientific School</b><br/> <b>University of Louisville, 1975-1980</b><br/> <b>Civil Engineering</b></p>               |  |   |  |
| <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS<br/> <b>ASCE, NSPE, WVACE, WWRWA</b></p>  |  |   |  |
| <p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>                            |  |   |  |
| <p>NAME &amp; TITLE (Last, First, Middle Int.)</p>  | <p>YEARS OF AML DESIGN EXPERIENCE:</p>               | <p>YEARS OF AML RELATED DESIGN EXPERIENCE:</p>                | <p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:</p>                |
| <p>Brief Explanation of Responsibilities</p>  |  |   |  |
| <p>EDUCATION (Degree, Year, Specialization)</p>   |  |   |  |
| <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</p>   |  |   |  |



Software - AutoCAD Civil 3D - 2009

Equipment - 6 - Dell Desktop PC Computers

HP Designjet 1055 CM Plotter

HP Laserjet 5000N

HP Officejet 6500

Sharp AR-BC260 Digital Imager

Bentley MicroStation 8

Haestad Methods - Flowmaster

Wild NA20 Level

MS - Word (2003)

MS - Excel (2003)

Adobe Writer and Reader 8.0

MS - Power Point (2003)

Photoshop

MS - Access (2003)

| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER                                  | NATURE OF YOUR FIRM'S RESPONSIBILITY  | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE                |
|---|--|---|-----------------------------|---------------------------------|
| Green Valley Extension Wastewater Extension Logan Co., WV                           | Buffalo Creek PSD<br>P O Box 209<br>Amherstdale, WV 25607  | Design<br>Bidding Assistance<br>Construction Administration<br>Construction Inspection<br>Post Construction | \$1,000,000                 | Preliminary 100%<br>Design 0%   |
| Paden City Wastewater Collection System - Rehab Project Tyler & Wetzel Counties, WV | City of Paden City<br>P O Box 211<br>Paden City, WV 26159  | Design<br>Bidding Assistance<br>Construction Administration<br>Construction Inspection<br>Post Construction | \$1,800,000                 | Design 100%<br>Construction 0%  |
| Waverly Wastewater Upgrade Wood & Pleasants Counties, WV                            | Union Williams PSD<br>P O Box 243<br>Waverly, WV 26161     | Design<br>Bidding Assistance<br>Construction Administration<br>Construction Inspection<br>Post Construction | \$730,000                   | Design 100%<br>Construction 95% |
| Pleasants County Waterline Extension Pleasants Co., WV                              | Union Williams PSD<br>P O Box 243<br>Waverly, WV 26161     | Design<br>Bidding Assistance<br>Construction Administration<br>Construction Inspection<br>Post Construction | \$943,000                   | Design 100%<br>Construction 95% |
| Fisher's Ford Bridge Renovation Morgan Co., WV                                      | WV DOT<br>1900 Kanawha Blvd., E.<br>Charleston, WV 25305   | Preliminary Report<br>Preliminary Design<br>Final Design<br>Construction Administration                     | \$1.7 Million               | Design 100%                     |
| Delbarton (Dardi) Portals Design Mingo Co., WV                                      | WVDEP - AML<br>601 57th Street, SE<br>Charleston, WV 25304 | Design<br>Bidding Assistance<br>Construction Administration   | --                          | Design 100%                     |
| Hazy Creek (Sprouse) Portal Design Raleigh Co., WV                                  | WVDEP - AML<br>601 57th Street, SE<br>Charleston, WV 25304 | Design<br>Bidding Assistance<br>Construction Administration   | --                          | Design 90%                      |
| Jonben Refuse Pile Design Raleigh Co., WV   | WVDEP - AML<br>601 57th Street, SE<br>Charleston, WV 25304 | Design<br>Bidding Assistance<br>Construction Administration   | --                          | Design 50%                      |

TOTAL NUMBER OF PROJECTS : 8 (this page)

TOTAL ESTIMATED CONSTRUCTION COSTS : \$6.2 MILLION (this page)

| PROJECT NAME, TYPE AND LOCATION | NAME AND ADDRESS OF OWNER | NATURE OF YOUR FIRM'S RESPONSIBILITY | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------|------------------|
|                                 |                           |                                      |                             |                  |
|                                 |                           |                                      |                             |                  |
|                                 |                           |                                      |                             |                  |
|                                 |                           |                                      |                             |                  |
|                                 |                           |                                      |                             |                  |
|                                 |                           |                                      |                             |                  |
|                                 |                           |                                      |                             |                  |

TOTAL NUMBER OF PROJECTS: 0

TOTAL ESTIMATED CONSTRUCTION COSTS:



| 17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD |   | Pg 1                        |      |                       |
|---|---|-----------------------------|------|-----------------------|
| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | YEAR | COMPLETED (YES OR NO) |
| WV Route 9 Relocate/Upgrade Jefferson & Berkeley Counties, WV                                   | WVDOT<br>1900 Kanawha Blvd., E.<br>Charleston, WV 25305   | \$60.8 Million              | 2009 | YES                   |
| Eleanor Sewer Reconstruction Putnam Co. WV  | Town of Eleanor<br>P.O. Box 185<br>401 Roosevelt Blvd.<br>Eleanor, WV 25070                           | \$109,000                   | 2009 | YES                   |
| Glen White Air Shafts Abandoned Mine Raleigh Co., WV  | WVDEP<br>Office of Abandoned Mine Lands and Reclamation<br>116 Industrial Drive<br>Oak Hill, WV 25901 | \$228,500                   | 2009 | YES                   |
| Jim / Bee Ridge Waterline Extension Putnam Co., WV  | Putnam County Commission<br>3389 Winfield Road<br>Winfield, WV 25213                                  | \$1,600,000                 | 2009 | YES                   |
| Marble Drive Drainage Improvements Putnam Co., WV   | Town of Eleanor<br>P O Box 185<br>401 Roosevelt Blvd.<br>Eleanor, WV 25070                            | \$13,000                    | 2009 | YES                   |
| Cobblestone Subdivision Section 3 Putnam Co., WV  | Cobblestone Subdivision, LLC<br>500 Corporate Centre Drive<br>Suite 550<br>Scott Depot, WV 25560      | \$900,000                   | 2009 | YES                   |
| Vintroux Road/US Route 35 Sanitary Sewer System Extension Putnam Co., WV                        | Putnam PSD<br>P O Box 860<br>Scott Depot, WV 25560  | \$2.1 Million               | 2009 | YES                   |
| Eleanor Plaza Sidewalk Extension Putnam Co., WV   | Town of Eleanor<br>P O Box 185<br>401 Roosevelt Blvd.<br>Eleanor, WV 25070                            | \$35,000                    | 2008 | YES                   |
| Vintroux Waterline Replacement Putnam Co., WV   | Putnam PSD<br>P O Box 860<br>Scott Depot, WV 25560  | \$420,000                   | 2007 | YES                   |

17. C. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIR

AS THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION                              | NAME AND ADDRESS OF OWNER  | ESTIMATED CONSTRUCTION COST | YEAR      | CONSTRUCTED (YES OR NO) |
|--|--|-----------------------------|-----------|-------------------------|
| Northfork Waterline<br>AML Study ID #308<br>McDowell Co., WV | WVDEP - AML<br>601 57 <sup>th</sup> Street, SE<br>Charleston, WV 25304                           | N/A Study                   | 2007      | NO                      |
| Ivywood Street Drainage Plans<br>Putnam Co., WV              | Town of Eleanor<br>P O Box 185<br>401 Roosevelt Blvd.<br>Eleanor, WV 25070                       | --                          | 2007      | NO                      |
| Dr. Herman Site Plan<br>Putnam Co., WV                       | Dr. Herman eye Center<br>3709 Teays Valley Rd.<br>Hurricane, WV 25526                            | \$630,000                   | 2007      | YES                     |
| ICG Site Plan<br>Putnam Co., WV                              | G & G Builders<br>500 Corporate Centre Drive<br>Suite 550<br>Scott Depot, WV 25560               | \$7,100,000                 | 2006      | YES                     |
| Eleanor Sidewalk Plans<br>Putnam Co., WV                     | Town of Eleanor<br>P O Box 185<br>401 Roosevelt Blvd.<br>Eleanor, WV 25070                       | \$158,000                   | 2006      | YES                     |
| Cobblestone Subdivision<br>Phases 1 and 2<br>Putnam Co., WV  | Cobblestone Subdivision, LLC<br>500 Corporate Centre Drive<br>Suite 550<br>Scott Depot, WV 25560 | \$1,200,000                 | 2005-2006 | YES                     |
| Fruth Pharmacy Site Plan<br>Kanawha Co., WV                  | G & G Builders<br>500 Corporate Centre Drive<br>Suite 550<br>Scott Depot, WV 25560               | \$900,000                   | 2005      | YES                     |
| Teays Valley Road (WV 33)<br>Road Widening<br>Putnam Co., WV | Putnam County Development Authority<br>P O box 167<br>Scott Depot, WV 25560                      | \$150,000                   | 2005      | YES                     |
| Teays Valley Cinemas Site Plan<br>Putnam Co., WV             | G & G Builders<br>500 Corporate Centre Drive<br>Suite 550<br>Scott Depot, WV 25560               | \$3,500,000                 | 2005      | YES                     |

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

| PROJECT NAME, TYPE AND LOCATION                           | NAME AND ADDRESS OF OWNER | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH  |
|---|---------------------------|--|------|-------------------------|---|
| Gassaway Armory Addition & Renovations<br>Braxton Co., WV | WVARNG                    | \$100,000  | 2009 | YES                     | Jerry Goff Architecture<br>100 1 <sup>st</sup> Ave.<br>St. Albans, WV 25177 |
|   |                           |  |      |                         |   |
|   |                           |  |      |                         |   |
|   |                           |  |      |                         |   |
|   |                           |  |      |                         |   |
|   |                           |  |      |                         |   |

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

20. The foregoing is a statement of facts.

Signature:  \_\_\_\_\_

Printed Name: Steven M. Newton

Title: Regional Office Manager

Date: December 8, 2010

**AML and RELATED PROJECT EXPERIENCE MATRIX**

| PROJECT  | Exp. Basis<br>C=Corp.<br>P=Personal | Additional Info<br>Provided in<br>Section (s)<br>** | PROJECT EXPERIENCE REQUIREMENTS       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 |                                | PRIMARY STAFF PARTICIPATION/CAPACITY<br>*** M=Management P=Professional |                        |           |  |  |  |       |  |   |  |  |       |
|--|-------------------------------------|---|---------------------------------------|------------------------------------|----------------------|--------------------------------------|---------------------|-------------------------------|--|-----------------------------|------------------------|--|-----------------------------|-----------------|--------------------------------|---|------------------------|-----------|--|--|--|-------|--|---|--|--|-------|
|  |                                     |   | Abandoned Surface<br>Mine Reclamation | Abandoned Deep<br>Mine Reclamation | Portal/Shaft Closure | Hydrologic/Hydraulic<br>Design/Eval. | Remining Evaluation | Mine/Refuse Fire<br>Abatement | Substance<br>Investigation<br>Mitigation | Hazardous Waste<br>Disposal | Project Specifications | Water Quality<br>Evaluation/Mitigation/<br>Replacement | Construction/Manage<br>ment | Water Treatment | Equipment/Structure<br>Removal | Stream Restoration  | Geotechnical/Stability | M. Newton |  |  |  |       |  |   |  |  |       |
| Jonben Refuse Pile Project<br>DEP#15184        | C & P                               |   | X                                     |                                    |                      | X                                    |                     |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  | M & P |  |   |  |  |       |
| Hazy Creek (Sprouse) Portal<br>DEP#14947       | C & P                               |   | X                                     |                                    | X                    |                                      | X                   |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  | X |  |  | M & P |
| Delbarton (Darri) Portals DEP<br>#14524        | C & P                               |   | X                                     |                                    | X                    |                                      | X                   |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  | X |  |  | M & P |
| Glen White Air Shafts<br>DEP#14270             | C & P                               |   | X                                     |                                    | X                    |                                      | X                   |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  | X |  |  | M & P |
| Green Valley Extension<br>Wastewater Extension | C & P                               |   |                                       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Cobblestone Subdivision Site<br>Plans          | C & P                               |   |                                       |                                    |                      |                                      | X                   |                               |  |                             |                        |  |                             |                 |                                |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Jim/Bee Ridge Waterline<br>Extension(s)        | C & P                               |   |                                       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| 4-H Camp Site Plans                            | C & P                               |   |                                       |                                    |                      |                                      | X                   |                               |  |                             |                        |  |                             |                 |                                |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Paden City Wastewater<br>Collection System     | C & P                               |   |                                       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Waverly Wastewater Upgrade                     | C & P                               |   |                                       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Pleasants County Waterline<br>Extension        | C & P                               |   |                                       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| US Route 35                                    | C & P                               |   |                                       |                                    |                      |                                      | X                   |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Alum Creek Facilities Planning<br>Report       | C & P                               |   |                                       |                                    |                      |                                      |                     |                               |  |                             |                        |  |                             |                 |                                |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| Fisher's Ford Bridge Reno                      | C & P                               |   |                                       |                                    |                      |                                      | X                   |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |
| WV Route 9                                     | C & P                               |   |                                       |                                    |                      |                                      | X                   |                               |  |                             |                        |  |                             |                 | X                              |   |                        |           |  |  |  |       |  |   |  |  | M & P |

\* List whether project experience is corporate or personnel based or both.

\*\* Use this area to provide specific sections or pages if needed for reference.

\*\*\* List Primary Design personnel and their functional capacity for the projects listed.

Attachment "C"



**AML and RELATED PROJECT EXPERIENCE MATRIX**

| PROJECT   | Exp. Basis<br>C-Corp.<br>P-Personal | Additional<br>Info<br>Provided In<br>Section (s) | PROJECT EXPERIENCE REQUIREMENTS       |                                    |                      |                                      |                     |                               |                             |                             |                             |                        |  |   |                 |                                | PRIMARY STAFF PARTICIPATION/CAPACITY<br>*** M=Management P=Professional |                        |           |  |  |  |  |
|---|-------------------------------------|--|---------------------------------------|------------------------------------|----------------------|--------------------------------------|---------------------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------|--|---|-----------------|--------------------------------|---|------------------------|-----------|--|--|--|--|
|   |                                     |  | Abandoned Surface<br>Mine Reclamation | Abandoned Deep<br>Mine Reclamation | Portal/Shaft Closure | Hydrologic/Hydraulic<br>Design/Eval. | Remining Evaluation | Mine/Refuse Fire<br>Abatement | Subsidence<br>Investigation | Investigation<br>Mitigation | Hazardous Waste<br>Disposal | Project Specifications | Water Quality<br>Evaluation/Mitigation/<br>Replacement | Construction<br>Inspection/Managem<br>ent | Water Treatment | Equipment/Structure<br>Removal | Stream Restoration  | Geotechnical/Stability | M. Newton |  |  |  |  |
|   |                                     |  | Mine Reclamation                      | Abandoned Deep<br>Mine Reclamation | Portal/Shaft Closure | Hydrologic/Hydraulic<br>Design/Eval. | Remining Evaluation | Mine/Refuse Fire<br>Abatement | Subsidence<br>Investigation | Investigation<br>Mitigation | Hazardous Waste<br>Disposal | Project Specifications | Water Quality<br>Evaluation/Mitigation/<br>Replacement | Construction<br>Inspection/Managem<br>ent | Water Treatment | Equipment/Structure<br>Removal | Stream Restoration  | Geotechnical/Stability | M. Newton |  |  |  |  |
| Eleanor Sewer Reconstruction                      | C & P                               |  |                                       |                                    |                      |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Marble Drive Drainage<br>Improvements             | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Vintroux Road/US Rte 35<br>Sanitary Sewer Sys Ext | C & P                               |  |                                       |                                    |                      |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Eleanor Plaza Sidewalk<br>Extension               | C & P                               |  |                                       |                                    |                      |                                      |                     |                               |                             |                             |                             | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Vintroux Waterline<br>Replacement                 | C & P                               |  |                                       |                                    |                      |                                      |                     |                               |                             |                             |                             | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Ivywood Street Drainage Plans                     | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           |                        |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Dr. Herman Site Plans                             | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| ICG Site Plans                                    | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Eleanor Sidewalk Plans                            | C & P                               |  |                                       |                                    |                      |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Cobblestone Subdivision<br>Phase 1 and 2          | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Fruth Pharmacy Site Plan                          | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           | X                      |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Teays Valley Cinemas Site<br>Plan                 | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           |                        |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| I-68 Underpass Closure                            | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           |                        |  |   |                 |                                |   | M & P                  |           |  |  |  |  |
| Cobblestone Subdivision<br>Section 3              | C & P                               |  |                                       |                                    | X                    |                                      |                     |                               |                             |                             | X                           |                        |  |   |                 |                                |   | M & P                  |           |  |  |  |  |

\* List whether project experience is corporate or personnel based or both.

\*\* Use this area to provide specific sections or pages if needed for reference.

\*\*\* List Primary Design personnel and their functional capacity for the projects listed.

Attachment "C"

**WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE**

Attachment - "B"

|   |  |  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
|---|--|--|-------------------------|---|---|--------------|---|------------------------|-------------|---|------------------------|-------------------------|----------------------------|--------------------|----------------------|--------------|---------------------|--------------------------|---------------------|----------------------------|----------------------------------|--------------|----------------------|-------------|----------------|----------------------------|-------------|--|-----------|--|--|---------------------------|
| <p>PROJECT NAME:<br/>Various WVDEP Projects</p>   | <p>DATE:<br/>February 23, 2010</p>   | <p>FEIN:<br/>52-2365940</p>  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| <p>1. FIRM NAME:<br/>Novel Geo-Environmental, LLC</p>   | <p>2. HOME OFFICE BUSINESS ADDRESS:<br/>171 Montour Road<br/>Moon Township, PA 15108</p> |  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| <p>4. HOME OFFICE TELEPHONE:<br/><br/>(412) 722-1970</p>  | <p>5. ESTABLISHED:<br/><br/>2002</p>   | <p>6a. WV REGISTERED DBE:<br/><br/>NA</p> <p>6. TYPE OWNERSHIP<br/><br/>Limited Liability Corporation</p> <p>3. FORMER FIRM NAME:<br/><br/>YES</p> |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| <p>7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE:<br/>806 B Street<br/>St. Albans, WV 25177<br/>304-201-5180<br/>Office Manager: John E. Nottingham, P.E.<br/>No. AML Design Personnel in St. Albans, WV: 5<br/>No. AML Design Personnel in Moon Township, PA : 5</p>  |  |  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| <p>8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM:<br/>Amy L. Veltri - President<br/>John E. Nottingham - Vice President</p>   |  |  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| <p>9. PERSONNEL BY DISCIPLINE (<b>Bold Lettering Indicates Minimum Design Team Members</b>)</p> <table style="width:100%; border: none;"> <tr> <td style="width:30%;">3 <b>ADMINISTRATIVE</b></td> <td style="width:30%;">—</td> <td style="width:40%;">—</td> </tr> <tr> <td>— ARCHITECTS</td> <td>—</td> <td>— LANDSCAPE ARCHITECTS</td> </tr> <tr> <td>— BIOLOGIST</td> <td>—</td> <td>— MECHANICAL ENGINEERS</td> </tr> <tr> <td>1 <b>CADD OPERATORS</b></td> <td>4 <b>ENVIRONMENTALISTS</b></td> <td>— MINING ENGINEERS</td> </tr> <tr> <td>— CHEMICAL ENGINEERS</td> <td>— ESTIMATORS</td> <td>— PHOTOGRAMMETRISTS</td> </tr> <tr> <td>2 <b>CIVIL ENGINEERS</b></td> <td>2 <b>GEOLOGISTS</b></td> <td>— PLANNERS: URBAN/REGIONAL</td> </tr> <tr> <td>5 <b>CONSTRUCTION INSPECTORS</b></td> <td>— HISTORIANS</td> <td>— SANITARY ENGINEERS</td> </tr> <tr> <td>— DESIGNERS</td> <td>— HYDROLOGISTS</td> <td>— 3 <b>SOILS ENGINEERS</b></td> </tr> <tr> <td>— DRAFTSMEN</td> <td></td> <td>— WRITERS</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;"><b>25 TOTAL PERSONNEL</b></td> </tr> </table> |  |  | 3 <b>ADMINISTRATIVE</b> | — | — | — ARCHITECTS | — | — LANDSCAPE ARCHITECTS | — BIOLOGIST | — | — MECHANICAL ENGINEERS | 1 <b>CADD OPERATORS</b> | 4 <b>ENVIRONMENTALISTS</b> | — MINING ENGINEERS | — CHEMICAL ENGINEERS | — ESTIMATORS | — PHOTOGRAMMETRISTS | 2 <b>CIVIL ENGINEERS</b> | 2 <b>GEOLOGISTS</b> | — PLANNERS: URBAN/REGIONAL | 5 <b>CONSTRUCTION INSPECTORS</b> | — HISTORIANS | — SANITARY ENGINEERS | — DESIGNERS | — HYDROLOGISTS | — 3 <b>SOILS ENGINEERS</b> | — DRAFTSMEN |  | — WRITERS |  |  | <b>25 TOTAL PERSONNEL</b> |
| 3 <b>ADMINISTRATIVE</b>   | —  | —  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| — ARCHITECTS  | —  | — LANDSCAPE ARCHITECTS   |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| — BIOLOGIST   | —  | — MECHANICAL ENGINEERS   |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| 1 <b>CADD OPERATORS</b>   | 4 <b>ENVIRONMENTALISTS</b>   | — MINING ENGINEERS   |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| — CHEMICAL ENGINEERS  | — ESTIMATORS   | — PHOTOGRAMMETRISTS  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| 2 <b>CIVIL ENGINEERS</b>  | 2 <b>GEOLOGISTS</b>  | — PLANNERS: URBAN/REGIONAL   |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| 5 <b>CONSTRUCTION INSPECTORS</b>  | — HISTORIANS   | — SANITARY ENGINEERS   |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| — DESIGNERS   | — HYDROLOGISTS   | — 3 <b>SOILS ENGINEERS</b>   |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| — DRAFTSMEN   |  | — WRITERS  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
|   |  | <b>25 TOTAL PERSONNEL</b>  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |
| <p>10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? YES</p>   |  |  |                         |   |   |              |   |                        |             |   |                        |                         |                            |                    |                      |              |                     |                          |                     |                            |                                  |              |                      |             |                |                            |             |  |           |  |  |                           |

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 3  
 \*RPEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Confidential Qualification Questionnaire" for each if copy is not on file with AMI

| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
|-------------------|------------|---|
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |

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

NO: Note that Novel Geo-Environmental (NGE) has not performed any AML design work to date, but our WV Office Manager (John E. Nottingham) and project geologist (Chuck Montgomery) have extensive AML experience with their former firm. Additionally, NGE currently holds a contract with WVDEP-AML for geotechnical drilling for the northern district of WV and has completed several drilling projects under this contract.

B. Is your firm experienced in Soil Analysis?

YES: NGE specializes in Geotechnical Engineering including foundation investigations, subsurface investigations, cut slope design, fill embankment analysis and design, slope stability analysis, landslide analysis and corrective design, mine subsidence investigations, geologic studies, groundwater seepage analysis, foundation design, retaining wall design, pavement design, subsurface drilling and monitoring well installation. NGE has performed a total of several hundred geotechnical engineering related projects since the company was formed in 2002.

C. Is your firm experienced in hydrology and hydraulics?

NO: While our firm has not performed any hydrology/hydraulics projects to date, our personnel have experience with former employers.

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

NO

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

NO

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

NO

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

| NAME & TITLE (Last, First, Middle Int.)                     |  | YEARS OF EXPERIENCE                                 |  |
|---|--|---|--|
| Notttingham, John, E.<br>Principal Engineer, Vice President |  | YEARS OF AML DESIGN EXPERIENCE:<br>14               | YEARS OF AML RELATED DESIGN EXPERIENCE:<br>6 |
|   |  | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br>0 |  |

Brief Explanation of Responsibilities

Mr. Notttingham was responsible for supervising field and design work for numerous AML related landslide abatement projects for the WVDEP while under the employment of Triad Engineering, Inc. In addition to landslide abatement projects, Mr. Notttingham was involved in subsidence determination investigations and subsidence abatement projects. Mr. Notttingham worked extensively on "emergency" projects which required quick field investigations and corrective designs.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science in Civil Engineering, 1987, WVU, Specialization - Civil and Geotechnical Engineering  
Masters of Science in Civil Engineering, 1995, WVU, Specialization - Geotechnical Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Society of Civil Engineering (ASCE)  
West Virginia Chapter of AIA

REGISTRATION (Type, Year, State)

Professional Engineering, 1994, WV  
Professional Engineering, 2007, VA  
Professional Surveyor, 1996, WV

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

| NAME & TITLE (Last, First, Middle Int.)    |  | YEARS OF EXPERIENCE                                 |  |
|--|--|---|--|
| Montgomery, Charles, E.<br>Project Manager |  | YEARS OF AML DESIGN EXPERIENCE:<br>12               | YEARS OF AML RELATED DESIGN EXPERIENCE:<br>6 |
|  |  | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br>0 |  |

Brief Explanation of Responsibilities

Mr. Montgomery was responsible for coordinating field activities for AML landslide abatement projects for the WVDEP while employed with Triad Engineering, Inc. Mr. Montgomery has also participated in all project phases for other AML work involving subsidence determinations/abatement and impounded mine pools.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science, Geology, 1991, Marshall University

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Association of Engineering Geologists  
Geological Society of America

REGISTRATION (Type, Year, State)

Professional Geologist, 1999, Kentucky

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

|  |                                       |  |   |
|--|---------------------------------------|--|---|
| NAME & TITLE (Last, First, Middle Int.)<br>Nottingham, Larry C.<br>Senior Engineer | YEARS OF AML DESIGN EXPERIENCE:<br>17 | YEARS OF AML RELATED DESIGN EXPERIENCE:<br>7 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br>0 |
|--|---------------------------------------|--|---|

Brief Explanation of Responsibilities

Dr. Nottingham planned and supervised several AML investigation and reclamation projects for WVDEP while employed by Triad Engineering. Projects included burning refuse pile investigations, unstable refuse pile investigations and remedial designs, landslide investigations and remedial designs, subsidence investigations, and underground mine fire investigations.

EDUCATION (Degree, Year, Specialization)

Bachelor of Science in Civil Engineering, 1965, Civil Engineering, West Virginia Institute of Technology  
 Master of Science in Civil Engineering, 1966, Geotechnical Engineering, University of Pittsburgh  
 Doctor of Philosophy, 1975, Geotechnical Engineering, University of Florida

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Member, American Society of Civil Engineers  
 Member, National Society of Professional Engineers

REGISTRATION (Type, Year, State)  
 Professional Engineer, 1969, WV  
 Professional Engineer, 1985, KY  
 Professional Engineer, 1985, OH  
 Professional Engineer, 2006, PA

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

|   |                                      |  |   |
|---|--------------------------------------|--|---|
| NAME & TITLE (Last, First, Middle Int.)<br>Christopher Dunlap<br>Engineering Technician | YEARS OF AML DESIGN EXPERIENCE:<br>0 | YEARS OF AML RELATED DESIGN EXPERIENCE:<br>0 | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br>0 |
|---|--------------------------------------|--|---|

Brief Explanation of Responsibilities

Mr. Dunlap has served as an engineering technician/field inspector on numerous government and commercial construction projects. His duties on these projects have included quality assurance/quality control (QA/QC), construction oversight and testing, coordination of field activities, liaison between general contractor and engineer, and project reporting.

EDUCATION (Degree, Year, Specialization): A.S., Mechanical Engineering Technology, WVUIT; American Concrete Institute (ACI) Certified; WVDOH Certification for Fill Compaction Technician; WVDOH Certification for Concrete Technician; WVDOH Certification for Asphalt Inspector.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS: NA

REGISTRATION (Type, Year, State): NA

14. PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AM.  
DESIGN SERVICES

Three rotary drill rigs, one mounted on a four wheel drive one-ton truck, and two track-mounted rigs. Drills are equipped with hollow stem augers, split-spoon soil sampling equipment, and rock coring tools.

Portable dynamic cone penetrometer.

Electric concrete coring drill.

Two equipment hauling trailers.

Software includes: Word processing, PCSTABL - Slope Stability Analysis, LPILE Plus 4.0 - Pile Foundation Analysis, PYWALL 2.0 - Retaining Wall Analysis, RESSA 2.0 - Reinforced Soil Slope Analysis, ResSlope 3.0 - Reinforced Soil Slope Design

Soil Laboratory Equipment: Soil Oven, Scales, Sieves, Liquid and Plastic Limits Machine

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

| PROJECT NAME, TYPE AND LOCATION                                     | NAME AND ADDRESS OF OWNER                            | NATURE OF YOUR FIRM'S RESPONSIBILITY  | ESTIMATED CONSTRUCTION COST                    | PERCENT COMPLETE |
|---|--|---|--|------------------|
| Flatwoods Retaining Wall - Pile retaining wall design Flatwoods, WV | Go-Mart, Inc.  | Perform subsurface investigation, develop design for retaining wall construction.                               | \$1,300,000.00                                 | 90               |
| Annual Geotechnical Drilling Contract, Northern West Virginia       | West Virginia Department of Environmental Protection | Perform geotechnical (drilling) investigations of abandoned mine land sites as directed by WVDEP/AML personnel. | Unknown  | 30               |
|   |  |   |  |                  |
|   |  |   |  |                  |
|   |  |   |  |                  |
|   |  |   |  |                  |
|   |  |   |  |                  |
|   |  |   |  |                  |
| TOTAL NUMBER OF PROJECTS: 2   |  |   | TOTAL ESTIMATED CONSTRUCTION COSTS: \$ Unknown |                  |



16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A -CONSULTANT TO OTHERS

| PROJECT NAME, TYPE AND LOCATION  | NATURE OF FIRMS RESPONSIBILITY  | NAME AND ADDRESS OF OWNER                       | ESTIMATED COMPLETION DATE | ESTIMATED CONSTRUCTION COST |                           |
|--|---|---|---------------------------|-----------------------------|---------------------------|
|  |   |   |                           | ENTIRE PROJECT              | YOUR FIRMS RESPONSIBILITY |
| Edwight Truss Bridge<br>Geotechnical Investigation<br>Raleigh County, WV | Perform subsurface investigation, provide foundation design recommendations.    | West Virginia Dept. of Highways, Charleston, WV | Unknown                   | Unknown                     | Fee \$17,000              |
| Turkey Creek Bridge, CSL Testing<br>Wayne County, WV                     | Perform Cross-Hole Sonic logging of New Foundation Drilled Piers                | West Virginia Dept. of Highways, Charleston, WV | March, 2010               | Unknown                     | Fee \$3,800               |
| Steel of West Virginia<br>Subsurface Investigation<br>Huntington, WV     | Advance test borings  | Toyota Corp.<br>Buffalo, WV                     | March, 2008               | Unknown                     | Fee \$3,100               |
| Marlowe Overpass Bridge,<br>Geotechnical Investigation<br>Marlowe, WV    | Perform subsurface investigation, provide foundation design recommendations.    | West Virginia Dept. of Highways, Charleston, WV | Unknown                   | Unknown                     | Fee \$20,000              |
| Cabell Co. EMS Station,<br>Geotechnical Investigation,<br>Milton, WV     | Determine Site Subsurface Conditions, Provide Foundation Design Recommendations | Cabell Co. EMS<br>Clarksburg, WV                | February, 2008            | Unknown                     | Fee \$3,500               |
| Thomas Cell Tower Site, Foundation Investigation<br>Thomas, WV           | Perform subsurface investigation, provide foundation design recommendations.    | U.S. Cellular                                   | Unknown                   | Unknown                     | Fee \$3,000               |
| Patel Residence Foundation Investigation<br>Charleston, WV               | Perform subsurface investigation, provide foundation design recommendations.    | Thakor Patel<br>Charleston, WV                  | Unknown                   | Unknown                     | Fee \$2,000               |

| 17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS THE DESIGNATED ENGINEER OF RECORD | PROJECT NAME, TYPE AND LOCATION                                   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|---|---|---|-----------------------------|------|-------------------------|
|   | Hinton Housing Development<br>Retaining Wall Design<br>Hinton, WV | J. Dan Snead & Associates<br>3049 Robert C. Byrd Dr.,<br>Suite 200, Beckley, WV 25801 | \$50,000                    | 2007 | Yes                     |
|   | Mancuso Access Road<br>Roadway Design<br>Glen Lyn, Virginia       | Jerry Mancuso<br>Route 1 Box 163<br>Lindside, WV 24951                                | \$10,000.00                 | 2007 | No                      |
|   |   |   |                             |      |                         |
|   |   |   |                             |      |                         |
|   |   |   |                             |      |                         |
|   |   |   |                             |      |                         |
|   |   |   |                             |      |                         |
|   |   |   |                             |      |                         |
|   |   |   |                             |      |                         |

| 18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS RESPONSIBLE |  |  |      |                         |                                |  | HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE CASE) |  |
|---|--|--|------|-------------------------|--------------------------------|--|--|--|
| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER                      | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH           |  |  |  |
| S. Mineral Wells Interchange, Geotechnical Study, Mineral Wells, WV       | WV Department of Highways Charleston, WV       | \$5,000,000  | 2007 | In Process              | L. A. Gates Co.                |  |  |  |
| Scary Creek Bridge Replacement Geotechnical Investigation St. Albans, WV  | WV Department of Highways Charleston, WV       | \$2,000,000  | 2009 | No                      | HNTB Corporation               |  |  |  |
| Performing Arts Center. Geotechnical Investigation, Buckhannon, WV        | West Virginia Wesleyan College, Buckhannon, WV | \$500,000  | 2007 | Yes                     | R. D. Zande & Associates, Inc. |  |  |  |
| Fishers Ford Bridge Geotechnical Investigation Morgan County, WV          | WV Department of Highways Charleston, WV       | \$2,000,000  | 2009 | No                      | QK4                            |  |  |  |
| Water Tanks, Geotechnical Investigation, Iaeger, WV                       | Iaeger PSD Iaeger, WV                          | \$100,000  | 2006 | Yes                     | Stafford Consultants           |  |  |  |
| Leon Thru Girder Bridge Geotechnical Investigation Leon, WV               | WV Department of Highways Charleston, WV       | \$2,500,000  | 2009 | NO                      | Buchart Horn, Inc.             |  |  |  |

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

20. The foregoing is a statement of facts.

Signature: John E. Nottingham Title: Vice President

Printed Name: John E. Nottingham

Date: March 5, 2010

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 AML CONSULTANT QUALIFICATION QUESTIONNAIRE Attachment "B"

|   |                               |   |   |
|---|-------------------------------|---|---|
| PROJECT NAME<br>Various WVDEP Projects  |                               | DATE (DAY, MONTH, YEAR)<br>03/09/2010   | FEIN<br>55-0687626  |
| 1. FIRM NAME<br>TERRADON Corporation  |                               | 3. FORMER FIRM NAME   |   |
| 4. HOME OFFICE TELEPHONE<br>(304) 755-8291  | 5. ESTABLISHED (YEAR)<br>1989 | 6. TYPE OWNERSHIP<br>Individual <input checked="" type="checkbox"/> Corporation<br>Partnership <input type="checkbox"/> Joint-Venture | 6a. WV REGISTERED DBE<br>(Disadvantaged Business Enterprise)<br>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| 7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE<br>401 Jacobson Drive, Poca, WV 25159 / (304)-755-8291 / Thomas Y. Kittredge, President / 38 persons               |                               |   |   |
| 8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM<br>Thomas Y Kittredge, President<br>Virginia L. King, CFO   |                               | 8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS<br>Timothy T White, P.E., Principal Engineer                                   |   |
| 9. PERSONNEL BY DISCIPLINE  |                               |   |   |
| 5 ADMINISTRATIVE  | — ECOLOGISTS                  | 4 LANDSCAPE ARCHITECTS  | 1 STRUCTURAL ENGINEERS  |
| — ARCHITECTS  | — ECONOMISTS                  | — MECHANICAL ENGINEERS  | 8 SURVEYORS   |
| — BIOLOGIST   | — ELECTRICAL ENGINEERS        | — MINING ENGINEERS  | — TRAFFIC ENGINEERS   |
| 4 CADD OPERATORS  | 1 ENVIRONMENTALISTS           | — PHOTOGRAMMETRISTS   | — OTHER   |
| — CHEMICAL ENGINEERS  | — ESTIMATORS                  | — PLANNERS: URBAN/REGIONAL  |   |
| 6 CIVIL ENGINEERS   | 1 GEOLOGISTS                  | — SANITARY ENGINEERS  |   |
| 2 CONSTRUCTION INSPECTORS   | — HISTORIANS                  | 1 SOILS ENGINEERS   |   |
| 5 DESIGNERS   | — HYDROLOGISTS                | — SPECIFICATION WRITERS   | 38 TOTAL PERSONNEL  |
| — DRAFTSMEN   |                               |   |   |
| TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: <u>6</u><br>*RPES other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work. |                               |   |   |
| 10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input type="checkbox"/> NO   |                               |   |   |

11. OUTSTANDING KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".

|                   |            |   |
|-------------------|------------|---|
| NAME AND ADDRESS: |            | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: |            | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: |            | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br>Yes _____<br>No _____ |

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

**YES** Description and Number of Projects: **45 Projects for WVDEP/AML&R**

NO

B. Is your firm experienced in Soil Analysis?

**YES** Description and Number of Projects: **32 WVDEP/AML&R projects included some soil analysis.**

**TERRADON provides geotechnical engineering on a wide variety of projects including dams, highways, bridges, etc.**

NO

C. Is your firm experienced in hydrology and hydraulics?

**YES** Description and Number of Projects: **35 WVDEP/AML&R projects included hydrology and hydraulics.**

NO

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

**YES** Description and Number of Projects:

**NO We routinely provide photo control surveys and field edit the mapping provided.**

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

**YES** Description and Number of Projects: **9 WVDEP/AML&R projects included the evaluation of aquifer degradation as a result of mining. Four of those projects have been designed and constructed.**

**TERRADON has also designed hundreds of miles of waterline in the last 5 years.**

NO

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

**YES** Description and Number of Projects: **5 WVDEP/AML&R projects included acid mine drainage evaluation and abatement. In addition, TERRADON was 1 of only 2 firms evaluating and designing AMD abatement of special reclamation projects in 1992, 1993 and 1994.**

NO

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

|   |  |   |  |  |
|---|--|---|--|--|
| NAME & TITLE (Last, First, Middle Int.)<br><b>James, John W., P.E.<br/>Senior Geotechnical Engineer</b> |  | YEARS OF AML DESIGN EXPERIENCE:<br><b>9</b> | YEARS OF AML RELATED DESIGN EXPERIENCE:<br><b>31</b> | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br><b>8</b> |
|---|--|---|--|--|

Brief Explanation of Responsibilities

**Geotechnical Project Manager for TERRADON Corporation. Responsible for contract administration and project management; peer review of design, construction drawings and specifications; constructability review and construction cost estimate.**

EDUCATION (Degree, Year, Specialization)  
**B.S., 1968, Civil Engineering**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
**American Society of Civil Engineers (Past President, WV Section)**

REGISTRATION (Type, Year, State)  
**P.E., 1973, WV**

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

|   |  |   |  |  |
|---|--|---|--|--|
| NAME & TITLE (Last, First, Middle Int.)<br><b>White, Timothy T., P.E.<br/>Project Manager, Principal Civil Engineer</b> |  | YEARS OF AML DESIGN EXPERIENCE:<br><b>4</b> | YEARS OF AML RELATED DESIGN EXPERIENCE:<br><b>15</b> | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br><b>1</b> |
|---|--|---|--|--|

Brief Explanation of Responsibilities

**Project Manager responsible for resource management to assure project schedule and cost. Engineer responsible for grading, hydraulic design, erosion and sediment control, natural stream channel assessment and design.**

EDUCATION (Degree, Year, Specialization)  
**B.S., 1992, Civil Engineering**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
**American Society of Civil Engineers  
American Council of Engineering Companies**

REGISTRATION (Type, Year, State)  
**P.E., 1999, OH; P.E., 1999, WV; P.E., 2007, VA; P.E., 2008, MD; P.E., 2008, PA; P.E., 2001, AR; P.E., 2003, TX; P.E., 2008, TN; P.E., 2001, KY**

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

|  |   |  |  |
|--|---|--|--|
| NAME & TITLE (Last, First, Middle Int.)<br><b>White, William G., P.E.<br/>Senior Structural Engineer</b> | YEARS OF AML DESIGN EXPERIENCE:<br><b>4</b> | YEARS OF AML RELATED DESIGN EXPERIENCE:<br><b>19</b> | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br><b>0</b> |
|--|---|--|--|

Brief Explanation of Responsibilities  
**Senior engineer responsible for structural analysis, design engineering, field investigation, specification writing, engineer's cost estimate, prebid and preconstruction meetings. Has experience in grading of refuse, mine seals, and pile and lagging walls.**

EDUCATION (Degree, Year, Specialization)  
**B.S., 1987, Civil Engineering**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
**American Society of Civil Engineers  
American Council of Engineering Companies**

REGISTRATION (Type, Year, State)  
**P.E., 1997, WV; P.E., 1996, OH; P.E., 1999, VA; P.E., 2000, FL; P.E., 2000, NC; P.E., 2000, AR; P.E., 2001, KY**

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

|   |   |  |  |
|---|---|--|--|
| NAME & TITLE (Last, First, Middle Int.)<br><b>Brown, David A., P.S.<br/>Professional Surveyor</b> | YEARS OF AML DESIGN EXPERIENCE:<br><b>7</b> | YEARS OF AML RELATED DESIGN EXPERIENCE:<br><b>13</b> | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br><b>6</b> |
|---|---|--|--|

Brief Explanation of Responsibilities  
**Responsible for all aspects of surveying including photogrammetry control, if required, field editing of mapping, topographic mapping, establishment of survey control monuments and establishing base lines for construction layout and quantity measurement. Also, tax map overlays and detailed property clarifications.**

EDUCATION (Degree, Year, Specialization)  
**B.S., 1996, Engineering Technology**

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
**West Virginia Association of Land Surveyors**

REGISTRATION (Type, Year, State)  
**P.S. 2003, WV; P.S. 2008, TN**



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

|  |   |  |   |
|--|---|--|---|
| <p>NAME &amp; TITLE (Last, First, Middle Int.)<br/> <b>Thaw, Robert, P.S.</b><br/> <b>Professional Surveyor</b></p>  | <p>YEARS OF AML DESIGN EXPERIENCE:<br/> <b>20</b></p> | <p>YEARS OF EXPERIENCE<br/>         YEARS OF AML RELATED DESIGN EXPERIENCE:<br/> <b>20</b></p> | <p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: <b>15</b></p> |
| <p>Brief Explanation of Responsibilities<br/> <b>Survey Department Head, responsible for organizing and supervising survey crews, designs commercial sites for drainage, building site locations, parking and utility easements, reviews project plans and creates base mapping.</b></p> |   |  |   |
| <p>EDUCATION (Degree, Year, Specialization)<br/> <b>B.A., 1981, Survey Technology</b><br/> <b>B.S., 1985, Surveying</b></p>  |   |  |   |
| <p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS<br/> <b>West Virginia Association of Land Surveyors</b><br/>         REGISTRATION (Type, Year, State)<br/> <b>P.S., 1985, West Virginia</b></p>  |   |  |   |

Software

Autodesk 2010 Civil 3D

SedCad 4 - Erosion Control and Hydrology Software

Haested Method Flowmaster Software for Channel Design

Haested Methods - Water CADD (Pipe Network Analysis)

Slope Stability -

PC Stable

REAME

SBSLOPE

WinStable and WinStable 2003

Piling Walls, Anchors and Reinforced Earth Walls -

Lpile

HeliCAP

Anchor 400

KeyWall 2004

TR 55, TR 20, TR 66 (Sites) - Hydrology

Hec-1, Hec HMS 2.22, Hec R As 3.1.2 - Hydrology

LC 58 + RP 61 - Structural (wall)

Microstation V8

Surveying Equipment

Trimble 4700 modular, RTK Global Positioning Total Station

Trimble Geomatics Office Software

Topcon Total Stations (3)

SMI Data Collectors (3)

Printing/Plotting/Reproduction

HP DesignJet T1120

HP DesignJet 1050C Plotter (2)

HP LaserJet 8000 Printer (2)

HP Color LaserJet 3700

HP Color LaserJet 5500

Sharp AR-550 Copier/Printer (2)

Sharp AR-C150 Full Color Copier/Printer

Océ 7056 Engineering Size Copier

15. PRESENT ACTIVITIES ON WHICH YOU ARE THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE |
|---|---|-----------------------------|------------------|
| Garden Ground Highwalls<br>AML Reclamation Design<br>Fayette County, West Virginia    | WVDEP/AML&R<br>601 57 <sup>TH</sup> Street SE<br>Charleston WV 25304              | \$10,000,000                | 5%               |
| City Beer Bridge on I-77<br>Bridge Replacement Project<br>Wood County, West Virginia  | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305 | \$6,000,000                 | 0%               |
| Venus (Hamilton) Drainage<br>AML Reclamation Design<br>McDowell County, West Virginia | WVDEP/AML&R<br>601 57 <sup>TH</sup> Street SE<br>Charleston WV 25304              | \$200,000                   | 90%              |
| Drews Creek Highwall<br>AML Reclamation Design<br>Raleigh County, West Virginia       | WVDEP/AML&R<br>601 57 <sup>TH</sup> Street SE<br>Charleston WV 25304              | \$500,000                   | 90%              |
| Manila Ridge Water Extensions<br>Putman County, West Virginia                         | Putman County Commission<br>3389 Winfield Road<br>Winfield, WV 25213-9370         | \$1,500,000                 | 75%              |
| Boys Scouts of America<br>Jamboree Site<br>Fayette County, West Virginia              | Trinity Works<br>2128 Mistletoe Boulevard<br>Fort Worth, Texas 76110              | \$100,000,000               | 10%              |
| Sanitary Landfill Expansion Design,<br>West Virginia                                  | Confidential Client   | \$25,000,000                | 90%              |

Continued on next page

15. PRESENT ACTIVITIES ON WHICH YOU ARE THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE |
|---|---|-----------------------------|------------------|
| Sarah Ann (Vance) Drainage<br>Logan County, West Virginia                                     | WVDEP/AML&R<br>601 57 <sup>TH</sup> Street SE<br>Charleston WV 25304                                  | \$600,000                   | 90%              |
| Greenbrier County Schools<br>5 various school projects in<br>Greenbrier County, West Virginia | Greenbrier County Schools<br>202 Chestnut Street Lewisburg, WV<br>24901                               | \$50,000,000                | 80%              |
| Little Beaver State Park<br>Campground Design,<br>Beaver, West Virginia                       | WV DNR, Parks Section<br>1900 Kanawha Blvd. East<br>Capitol Complex, Bldg. #3<br>Charleston, WV 25305 | \$1,000,000                 | 80%              |
| NAPA Headquarters<br>Pavement Design/Geotech<br>Nitro, West Virginia                          | Genuine Parts LLC<br>2999 Circle 75 Parkway<br>Atlanta, Georgia 30399                                 | \$200,000                   | 50%              |
| Tucker County Landfill<br>Expansion Design of Cell 7<br>Thomas, West Virginia                 | Tucker County Solid Waste<br>Authority<br>PO Box 58<br>Thomas WV 26292                                | \$15,000,000                | 90%              |
| Cabell County Water Extensions<br>Cabell County, West Virginia                                | Salt Rock Sewer PSD<br>100 Padero Dr<br>Ona, WV 25545-9527  | \$1,500,000                 | 90%              |
| Various Survey Projects<br>Throughout West Virginia   | Various Clients   | \$3,000,000                 | 50%              |

Continued on next page

15. PRESENT ACTIVITIES ON WHICH YOU ARE THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | PERCENT COMPLETE |
|---|---|-----------------------------|------------------|
| Fairmont Water Park<br>Fairmont, West Virginia  | City Fairmont<br>200 Jackson Street<br>Fairmont, West Virginia 26554                      | \$3,000,000                 | 90%              |
| Relocate CR 18,<br>Eccles, Raleigh County,<br>West Virginia                           | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305         | \$2,000,000                 | 90%              |
| Sleeths Run Bridge CR119/1<br>Lewis County<br>West, Virginia                          | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305         | \$2,000,000                 | 99%              |
| Charleston Replacement Housing<br>Site/Civil for CRH 1-5<br>Charleston, West Virginia | Alan Ives Construction<br>10 South La Salle Street, Suite 3440<br>Chicago, Illinois 60603 | \$20,000,000                | 90%              |
| Tucker County Landfill<br>Tucker County, West Virginia                                | Tucker County Solid Waste<br>Authority  | \$3,000,000                 | 60%              |
| TOTAL NUMBER OF PROJECTS: 19  | TOTAL ESTIMATED CONSTRUCTION COSTS: \$244,500,000   |                             |                  |

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

| PROJECT NAME, TYPE AND LOCATION  | NATURE OF FIRMS RESPONSIBILITY    | NAME AND ADDRESS OF OWNER  | ESTIMATED COMPLETION DATE | ESTIMATED CONSTRUCTION COST |                           |
|--|-----------------------------------|--|---------------------------|-----------------------------|---------------------------|
|  |                                   |  |                           | ENTIRE PROJECT              | YOUR FIRMS RESPONSIBILITY |
| Mingo Central High Sch<br>Mingo County, West Virginia                                      | Civil, Site Design,<br>Surveying  | Mingo County BOE<br>Sycamore Street<br>Williamson, WV 25661                              | 2011                      | \$20,000,000                | 15%                       |
| Shepherdstown<br>Elementary<br>Shepherdstown, West Virginia                                | Civil, Site Design,<br>Surveying  | Jefferson County BOE<br>110 Mordington Avenue,<br>Charles Town, WV 25414                 | 2010                      | \$15,000,000                | 15%                       |
| Braxton County Schools<br>Six Various School<br>Projects, Braxton County,<br>West Virginia | Civil, Site Design,<br>Surveying  | Braxton County BOE<br>411 N Hill Road,<br>Sutton, WV 26601                               | 2010                      | \$12,000,000                | 15%                       |
| State Office Building,<br>Fairmont, West Virginia  | Civil, Site Design,<br>Surveying, | WV Dept. of Admin.<br>Bldg. 1, Rm. E119<br>State Capitol Complex<br>Charleston, WV 25305 | 2010                      | \$15,000,000                | 15%                       |
| Poca Middle School<br>Poca, West Virginia  | Civil, Site Design,<br>Surveying, | Putnam County BOE<br>Courthouse Drive<br>Winfield, WV 25213                              | 2010                      | \$20,000,000                | 15%                       |
| Confidence Elementary<br>School<br>Putnam County, West<br>Virginia                         | Civil, Site Design,<br>Surveying, | Putnam County BOE<br>Courthouse Drive<br>Winfield, WV 25213                              | 2010                      | \$8,000,000                 | 15%                       |
| Winfield Middle School<br>Winfield, West Virginia  | Civil, Site Design,<br>Surveying, | Putnam County BOE<br>Courthouse Drive<br>Winfield, WV 25213                              | 2010                      | \$22,000,000                | 15%                       |

Continued on next page

16. CURRENT ACTIVITIES ON WHICH YOUR FIRM IS SERVING AS A SUB-CONSULTANT TO OTHERS

| PROJECT NAME, TYPE AND LOCATION  | NATURE OF FIRMS RESPONSIBILITY    | NAME AND ADDRESS OF OWNER  | ESTIMATED COMPLETION DATE | ESTIMATED CONSTRUCTION COST |                           |
|--|-----------------------------------|--|---------------------------|-----------------------------|---------------------------|
|  |                                   |  |                           | ENTIRE PROJECT              | YOUR FIRMS RESPONSIBILITY |
| Marshall Community & Technical College<br>Huntington, West Virginia                | Civil, Site Design,<br>Surveying  | Marshall University<br>Facilities Planning &<br>Management,<br>Huntington, WV            | 2009                      | \$20,000,000                | 15%                       |
| New Teays Elementary<br>Scott Depot, West Virginia                                 | Civil, Site Design,<br>Surveying  | Putnam County BOE<br>Winfield, WV 25213  | 2009                      | \$12,000,000                | 15%                       |
| Moorefield Intermediate<br>School<br>Moorefield, West Virginia                     | Civil, Site Design,<br>Surveying, | Hardy County BOE<br>510 Ashby Street<br>Moorefield, WV 26836                             | 2009                      | \$12,000,000                | 15%                       |
| Marshall University,<br>Health & Wellness Center,<br>Dormitories<br>Huntington, WV | Civil, Site Design,<br>Hardscape  | Marshall University<br>Facilities Planning &<br>Management,<br>Huntington, WV            | 2009                      | \$27,000,000                | 10%                       |
| Twin Falls State Park<br>Lodge Expansion<br>McDowell County, WV                    | Civil, Site Design                | WV Division of Natural<br>Resources,<br>Capitol Building 3, R663<br>Charleston, WV 25305 | 2009                      | \$5,500,000                 | 15%                       |
| University High School<br>Monongalia County, WV                                    | Civil, Site Design                | Monongalia County Schools,<br>668 River Rd<br>Morgantown, WV 26507                       | 2009                      | \$12,000,000.00             | 20%                       |
|  |                                   |  |                           |                             |                           |

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

| PROJECT NAME, TYPE AND LOCATION  | NAME AND ADDRESS OF OWNER  | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|--|--|-----------------------------|------|-------------------------|
| Montgomery Wastewater Treatment Plant Upgrade, Design Montgomery, West Virginia                      | City of Montgomery<br>706 3 <sup>rd</sup> Avenue<br>Montgomery WV 25136              | \$2,800,000                 | 2009 | Under Const.            |
| Sleeths Run Bridge CR119/1<br>Lewis County<br>West Virginia  | WV DOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305   | \$ 1,800,000                | 2009 | Under Construction      |
| Fairmont Connector, Value Engineering, Kanawha Stone Company   | WV DOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305   | Savings of \$2,500,000      | 2009 | Under Construction      |
| Derrick Creek Water Line Extensions<br>Sissonville, West Virginia                                    | West Virginia American Water<br>PO Box 1906<br>Charleston WV 25327                   | \$1,500,000                 | 2009 | Yes                     |
| Gypsy Bridge S317-19-23.25 00<br>Erection Plans<br>Harrison County, West Virginia                    | Bilco Construction Company, Inc.<br>805 Wisteria Drive<br>South Charleston, WV 25309 | \$ 20,000 fee               | 2008 | Yes                     |
| South Branch Potomac River Bridge, X316-H-100.40 04<br>Erection Plans<br>Hardy County, West Virginia | Vecellio & Grogan, Inc.<br>P.O. Box 2438<br>Beckley, WV 25902                        | \$31,000,000                | 2008 | Yes                     |
| WV Route 2 Water Line Extensions<br>Huntington, West Virginia  | West Virginia American Water<br>PO Box 1906<br>Charleston WV 25327                   | \$450,000                   | 2008 | Yes                     |
| Sawmill Village Development<br>Site/civil Design,<br>Snowshoe, West Virginia                         | Summit III, LLC<br>295 Seven Farms Drive<br>Charleston, WV 29492                     | \$100,000,000               | 2008 | Yes                     |

Continued on next page



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

| PROJECT NAME, TYPE AND LOCATION  | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|--|---|-----------------------------|------|-------------------------|
| Derrick Creek Water Line Extensions<br>Sissonville, West Virginia                          | West Virginia American Water<br>PO Box 1906<br>Charleston WV 25327                      | \$1,200,000                 | 2008 | Yes                     |
| Upper Fishers Branch/Guthrie Water Main Extension<br>Kanawha County, West Virginia         | West Virginia American Water<br>PO Box 1906<br>Charleston WV 25327                      | \$2,800,000                 | 2008 | Under Const.            |
| Upper Frame Phase 2 Water Main Extension<br>Kanawha County, West Virginia                  | Kanawha County RDA & West Virginia American Water<br>PO Box 1906<br>Charleston WV 25327 | \$2,100,000                 | 2008 | Under Const.            |
| Back Fork Water Main Extension<br>Webster County, West Virginia                            | West Virginia American Water<br>PO Box 1906<br>Charleston WV 25327                      | \$800,000                   | 2008 | Under Const.            |
| New Hope 1 MG Water Storage Tank<br>Princeton, West Virginia                               | WV American Water<br>PO Box 1906<br>Charleston WV 25327                                 | \$600,000                   | 2008 | Yes                     |
| Putnam County 2007 Water Main Extensions,<br>Putnam County, West Virginia                  | Putnam County Commission<br>3389 Winfield Road<br>Winfield, WV 25213                    | \$2,000,000                 | 2008 | Yes                     |
| Fort Lee Hydraulic Study, Water Line Extensions, and New Fuel Tanks<br>Hope Well, Virginia | Virginia American Water Co.<br>900 Industrial Street<br>Hopewell, VA 23860              | \$450,000                   | 2008 | Yes                     |
| Yeager Airport Rental Car Parking Deck<br>Charleston, West Virginia                        | Central West Virginia Airport<br>100 Airport Road #175<br>Charleston, WV 25311          | \$3,000,000                 | 2008 | Yes                     |

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS

THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION  | NAME AND ADDRESS OF OWNER  | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|--|--|-----------------------------|------|-------------------------|
| Salt Rock PSD Water Main Extensions<br>Salt Rock, West Virginia                                  | Salt Rock PSD & Cabell County Commission<br>Huntington, West Virginia  | \$1,500,000                 | 2008 | Yes                     |
| US 35 Value Engineering, Ramp 1, WV 34 Interchange<br>Putnam County, West Virginia               | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305                            | Saving \$3,000,000          | 2007 | Yes                     |
| Tucker County Landfill Expansion Design of Cell 6<br>Thomas, West Virginia                       | Tucker County Solid Waste Authority<br>PO Box 58<br>Thomas WV 26292  | \$2,500,000                 | 2007 | Yes                     |
| Rabel Mountain Water Main Extensions<br>Kanawha County, West Virginia                            | WV American Water<br>PO Box 1906<br>Charleston WV 25327  | \$600,000                   | 2007 | Yes                     |
| Sedalia Arch Bridge, Bridge Replacement<br>Sedalia, West Virginia                                | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305                            | \$890,000                   | 2006 | Yes                     |
| Fairmont Coke Works Redevelopment Traffic Study,<br>Fairmont, West Virginia                      | City Fairmont<br>200 Jackson Street<br>Fairmont, West Virginia 26554   | \$20,000 fee                | 2006 | No                      |
| Hinton Landslide, Landslide Reclamation<br>Hinton, West Virginia                                 | WVDOT, Division of Highways<br>Building 5, Room A-110<br>1900 Kanawha Boulevard East<br>Charleston, WV 25305 | \$1,000,000                 | 2006 | Yes                     |
| Fort Lee Water Distribution System Upgrade<br>Fort Lee, Virginia                                 | WV American Water<br>PO Box 1906<br>Charleston WV 25327  | \$1,000,000                 | 2006 | Yes                     |
| Prince Williams 1 Million Gallon Elevated Water Storage Tank<br>Prince Williams County, Virginia | WV American Water<br>PO Box 1906<br>Charleston WV 25327  | \$1,500,000                 | 2006 | Yes                     |
| Hickory Ridge Water Storage Tank Relocation,<br>County, West Virginia                            | WV American Water<br>PO Box 1906<br>Charleston WV 25327  | \$1,000,000                 | 2006 | Yes                     |
| Winfield High School Expansion<br>Winfield, West Virginia  | Putnam County BOE<br>Winfield, WV 25213  | \$2,000,000                 | 2006 | Yes                     |

17. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM WAS

THE DESIGNATED ENGINEER OF RECORD

| PROJECT NAME, TYPE AND LOCATION  | NAME AND ADDRESS OF OWNER  | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED (YES OR NO) |
|--|--|-----------------------------|------|-------------------------|
| Fountain Place Mall Phase 2<br>Site/Civil Design<br>Logan, West Virginia         | Fountain Place Mall<br>PO Box 794<br>Logan, WV 25601   | \$10,000,000                | 2005 | Yes                     |
| Jenkin Jones Refuse Piles<br>Mine Reclamation<br>McDowell County, West Virginia  | WVDEP/AML&R<br>601 57 <sup>TH</sup> Street SE<br>Charleston WV 25304   | \$4,000,000                 | 2005 | Yes                     |
| Bendale Dam Repair Design<br>Lewis County, West Virginia                         | WV American Water<br>PO Box 1906<br>Charleston WV 25327  | \$100,000                   | 2005 | Yes                     |
| Corridor L Widening Design<br>US Route 19<br>Summersville, West Virginia         | WVDOT, Division of Highways<br>Building 5, Room A-110<br>1900 Kanawha Boulevard East<br>Charleston, WV 25305 | \$12,100,000                | 2005 | No                      |
| WV 73 Turning Lanes<br>Fountain Place Development<br>Logan County, West Virginia | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305                            | \$ 600,000                  | 2005 | Yes                     |
|  |  |                             |      |                         |
|  |  |                             |      |                         |
|  |  |                             |      |                         |

| 18. COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE OF WORK FOR WHICH YOUR FIRM AS RESPONSIBLE) |   | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION |  | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH          |
|--|---|--|--|------|-------------------------|-------------------------------|
| PROJECT NAME, TYPE AND LOCATION  | NAME AND ADDRESS OF OWNER   |  |  |      |                         |                               |
| Fairmont State University<br>Campus Improvements<br>Fairmont, West Virginia  | Fairmont State University<br>1201 Locust Avenue<br>Fairmont, WV 26554   | \$1,000,000  |  | 2007 | Yes                     | Omni Associates               |
| Mountain View Elementary<br>Civil, Site Design, Surveying<br>Scott Depot, West Virginia  | Putnam County BOE<br>Winfield, WV 25213                                 | \$1,000,000  |  | 2008 | Yes                     | Williamson Shriver Architects |
| Mountain State University<br>Health Science Building<br>Civil/Site/Surveying<br>Beckley, WV  | Mountain State University<br>PO Box 9003<br>Beckley, WV 25802-9003      | \$1,500,000  |  | 2007 | Yes                     | Dan Sneed Architects          |
| WVU Recreation Center<br>Master Plan<br>Morgantown, WV   | West Virginia University  | \$2,000,000  |  | 2006 | No                      | Omni Associates               |
| Doddridge County High School<br>Doddridge County, West Virginia  | Doddridge County BOE<br>104 Sistersville Pike<br>West Union, WV 26456   | \$1,500,000  |  | 2006 | Yes                     | Williamson Shriver Architects |
| Capon Bridge<br>Intermediate School<br>Hampshire County, West Virginia   | Hampshire County BOE<br>46 South High Street<br>Romney, WV 26757        | \$1,000,000  |  | 2006 | Yes                     | Williamson Shriver Architects |
| Fairmont Public Safety<br>Building, Fairmont, West Virginia  | City Fairmont<br>200 Jackson Street<br>Fairmont, West Virginia<br>26554 | \$4,000,000  |  | 2005 | Yes                     | Omni Associates               |
| Mountain View Elementary<br>Scott Depot, West Virginia   | Putnam County BOE<br>Winfield, WV 25213                                 | \$2,000,000  |  | 2008 | Yes                     | Williamson Shriver Architects |
| Moorefield Intermediate<br>School<br>Moorefield, West Virginia   | Hardy County BOE<br>510 Ashby Street<br>Moorefield, WV 26836            | \$12,000,000                                       |  | 2008 | Yes                     | Williamson Shriver Architects |

18. COMPLETE WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM HAS BEEN A SUB-CONSULTANT TO OTHER FIRMS (INDICATE PHASE C. WORK FOR WHICH YOUR FIRM IS RESPONSIBLE)

| PROJECT NAME, TYPE AND LOCATION   | NAME AND ADDRESS OF OWNER   | ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION | YEAR | CONSTRUCTED (YES OR NO) | FIRM ASSOCIATED WITH          |
|---|---|--|------|-------------------------|-------------------------------|
| WVDEP Headquarters Building, Site/Civil, Survey Kanawha County, WV                            | WVDEP<br>601 57th Street SE<br>Charleston WV 25304                                | \$30,000,00.00                                     | 2005 | Yes                     | BBL-Carlton                   |
| Marshall University, Health & Wellness Center, Dormitories Site/Civil, Survey Huntington, WV  | Marshall University<br>Facilities Planning & Management,<br>Huntington, WV        | \$27,000,000                                       | 2009 | Yes                     | Capstone Development          |
| Pikeview Middle School Site/Civil, Survey Mercer County, West Virginia                        | Mercer County Public Schools<br>1403 Honaker Avenue<br>Princeton, WV 24740        | \$5,000,000  | 2009 | Under Construction      | E. T Boggess Architects       |
| Doddridge County High School US Route 50 Turning Lanes Design Doddridge County, West Virginia | WVDOT<br>Building 5, Room A-110<br>1900 Kanawha Blvd. East<br>Charleston WV 25305 | \$100,000  | 2006 | Yes                     | Williamson Shriver Architects |
| WVARNG Eleanor Access Road Surveying & Roadway Design Eleanor, West Virginia                  | WV Army National Guard<br>1740 Coonskin Drive<br>Charleston WV 25311              | \$300,000  | 2009 | Yes                     | Williamson Shriver Architects |

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.

TERRADON has extensive experience in both wet and dry mine seals, with or without bat gates. Our recent experience with Stonecoal Creek had over two dozen mine seals, and Morgan Run had over twenty as well. In addition, we have done regrading on numerous refuse piles and highwalls including Jenkin Jones, Micajah, Linger, Camp Mahonegan, Cedar Creek, Roaring Creek and Tappers Creek, Gerath and Drews Creek Landslides. We have experience regarding over 6 miles of dangerous highwall on the Garden Ground site in Fayette County. TERRADON also has experience designing road upgrades and pile and lagging walls, as well as experience in drainage design on all projects.

20. The foregoing is a statement of facts.

Signature:  Title: **Principal Engineer**

Printed Name: **Timothy T. White, P.E.** Date: **March 9, 2010**

NOTE: THIS DOCUMENT WILL BECOME VOID AFTER DECEMBER 31 IN CALENDAR YEAR OF DATE HEREON.

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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

**DEFINITIONS:**

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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed 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: Ok4

Authorized Signature: *[Signature]* Date: December 8, 2010

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 8 day of DECEMBER, 2010.

My Commission expires July 5th, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC *[Signature]*

