



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

Request for Quotation

RFQ NUMBER
 DEP14783

PAGE
 1

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
09/10/2009				
BID OPENING DATE: 10/01/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-29		
LITTLE LAUREL RUN HIGHWALL DESIGN						
EXPRESSION OF INTEREST						
<p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ENGINEERING DESIGN SERVICES AND CONSTRUCTION MONITORING SERVICES AT THE LITTLE LAUREL RUN HIGHWALL PROJECT IN PRESTON COUNTY, WEST VIRGINIA, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.</p>						
<p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THIS CONTRACT NULL AND VOID AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p>						

RECEIVED

2009 SEP 29 A 9:27

PURCHASING DIVISION
 STATE OF WV

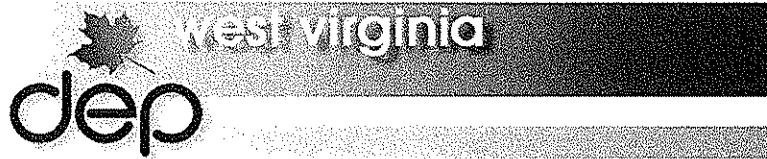
SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE _____ TELEPHONE _____ DATE _____

TITLE _____ FEIN _____ ADDRESS CHANGES TO BE NOTED ABOVE

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

EXPRESSION OF INTEREST TO:



West Virginia Department of Environmental Protection
Abandoned Mine Lands and Reclamation

FOR:

**DESIGN SERVICES AND
CONSTRUCTION MONITORING SERVICES
LITTLE LAUREL RUN HIGHWALL DESIGN PROJECT**

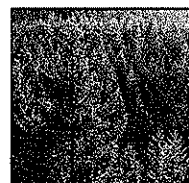
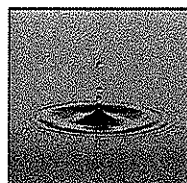
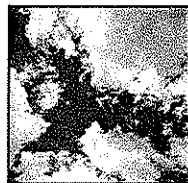
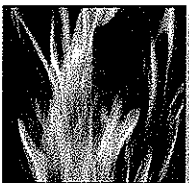
PRESTON COUNTY, WV

RFQ #DEP14783

AML CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE

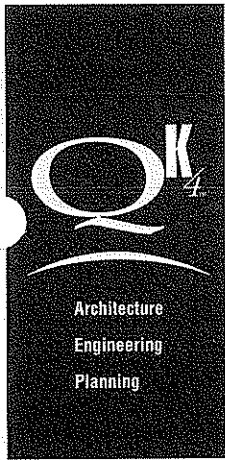
SUBMITTED BY:

**Qk4
802 B Street
Suite 200
St. Albans, WV 25177
Ph: (304) 201-8980
Fx: (304) 201-8983**



Architecture Engineering Planning

Groundbreaking by Design.



802 B Street, Suite 200
St. Albans, West Virginia 25177
Ph. 304-201-8980
Fx. 304-201-8983
www.qk4.com

October 1, 2009

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
Little Laurel Run Highwall Design
Preston County, WV
RFQ # DEP14783**

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 the Little Laurel Run Highwall Design project in Preston County, West Virginia.

Qk4 is a multi-disciplinary firm with a staff of 97 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; and Bristol, Tennessee.

Qk4 has staff with previous AML experience. In fact, our most recent project, Glen White Air Shafts (DEP #14270), is under construction. Two sub-consultants will be utilized on the Little Laurel Run Highwall Design project, NGE, LLC for geotechnical services, and Terradon Corporation for surveying services. Both firms have staff with extensive experience on AML projects.

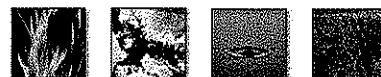
We look forward to an opportunity to interview for this project. Should you have any questions regarding this submittal or Qk4, please contact me at (304) 201-8980 or at mnewton@qk4.com.

Sincerely yours,

Steven M. Newton, PE, PS
Regional Office Manager

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 - ✦ Project Team
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 - ✦ Firm Experience
- ✦ Consultant Confidential Qualification Questionnaire - Attachment "B"
- ✦ Project Experience Matrix - Attachment "C"
- ✦ Sub-consultants
 - ✦ NGE CCQQ
 - ✦ Terradon CCQQ
- ✦ Purchase Affidavit



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:

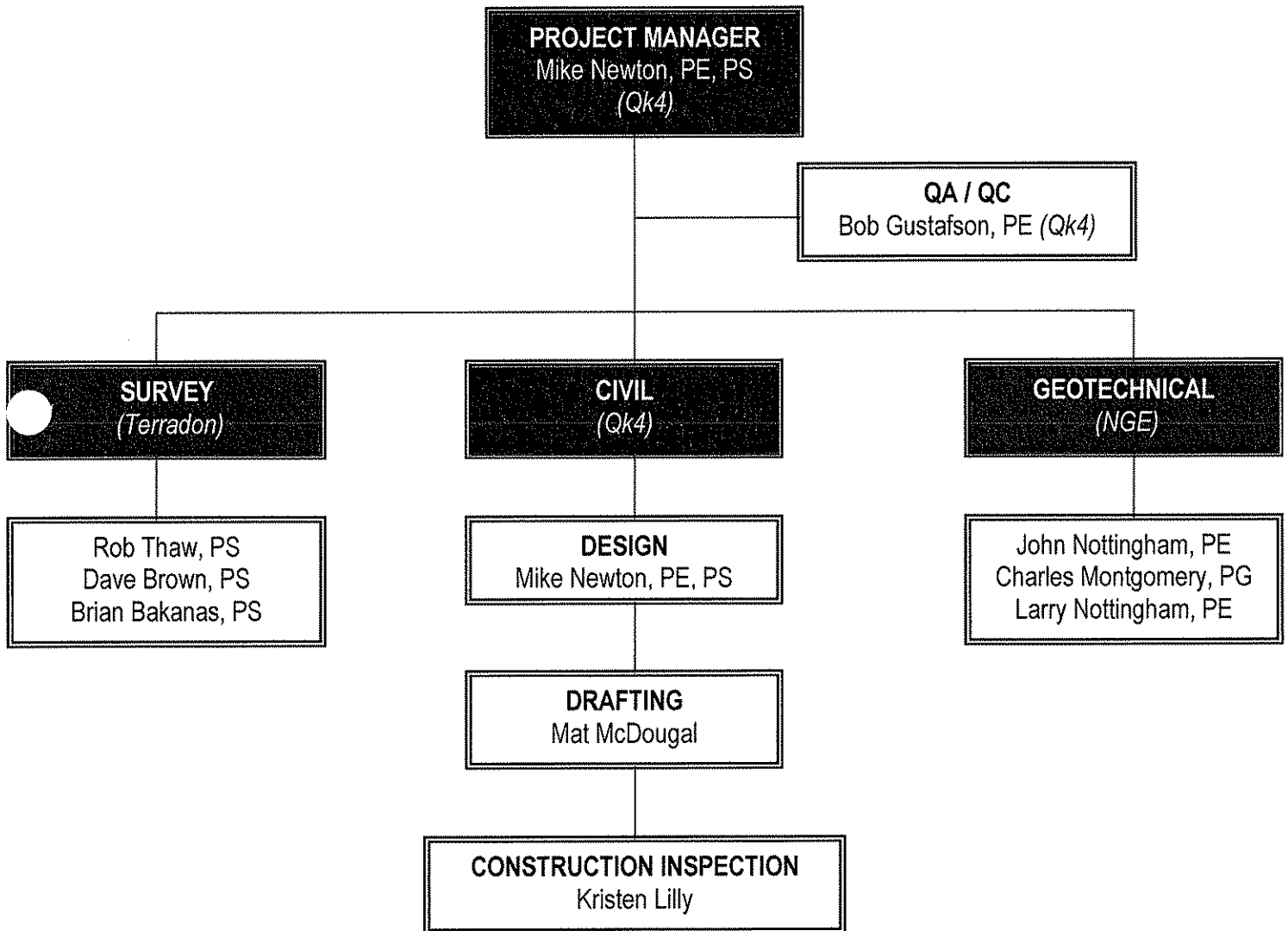
There is one available WV-AML team within the primary office in St. Albans, WV. It will consist of:

Steven M. Newton, PE, PS
Mat McDougal
Tammy Garner
Kristen Lilly

Project Manager / Project Engineer
Engineering Technician / CAD Designer
Administrative Assistant
Construction Inspector



PROJECT TEAM



S. MICHAEL NEWTON, PE, PS

Regional Office Manager, West Virginia / Project Manager

**32 YEARS EXPERIENCE
22 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:

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

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

Mr. Newton's Site design experience includes:

Cobblestone Subdivision
Putnam County, West Virginia

Teays Valley Cinemas
Putnam County, West Virginia

International Coal Group (ICG)
Putnam County, West Virginia

Mr. Newton's Drainage design experience includes:

Ivywood Street Drainage
Putnam County, West Virginia

Marble Drive Drainage Improvements
Putnam County, West Virginia

Beech and Fir Streets Drainage Improvements
Putnam County, West Virginia



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

12 Mine Portals

KEY PERSONNEL

S. Michael Newton, PE, PS
Mat McDougal

SERVICES PROVIDED

Surveying
Reclamation Plans

CONSTRUCTION COST

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 12 existing mine portals with either bat gates or wet seals, and rip-rapped swales 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, swale profiles, bat gate, wet seal and swale 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 – Current

PROJECT TYPE

Mine Reclamation

PROJECT LENGTH / SIZE

Two Air Shafts
18 feet x 39 feet
250 and 265 feet Deep

KEY PERSONNEL

S. Michael Newton, PE, PS
Matt McDougal

SERVICES PROVIDED

Surveying
Reclamation Plans

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 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 – Exposed Concrete Cap



Site 1 – Hatch, Vent



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

SERVICES PROVIDED

Surveying & Mapping
Construction plans
Permits
Construction Staking

AMOUNT OF CONTRACT

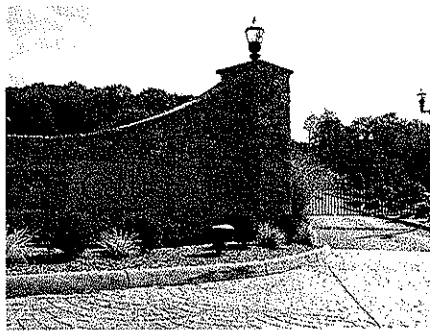
Engineering - \$100,000
Construction - 3.8 Million

PROJECT LENGTH / SIZE

268 acres

KEY PERSONNEL

Mike Newton, PE, PS



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 of 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 of 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 will consist of 40 acres and 27 lots. Construction was started in October of 2007, at an approximate cost of \$900,000 dollars.



TEAYS VALLEY CINEMAS

Putnam County, West Virginia

CLIENT

GDY, LLC
500 Corporate Centre Drive
Suite 550
Scott Depot, West Virginia 25560
Mr. Gary Young
304.757.9196

DATES

February, 2004 – March, 2005

PROJECT TYPE

Site Development

PROJECT LENGTH / SIZE

6 acre
35,000 square feet
10-plex Cinema

KEY PERSONNEL

Mike Newton, PE, PS
Project Manager

at Rawlings
ilities

SERVICES PROVIDED

Surveying & Mapping
Site Design
Permits
Construction Staking

CONSTRUCTION COST

\$ 3.5 million

This project included boundary and topographic surveys, and site plans, for a six (6) acre site. The plans included layout, striping, utilities, grading, drainage, landscaping, lighting and erosion control. The plans also included the widening of Erskine Lane. All permits were obtained including a Special Permit through the Putnam County Office of Planning and Infrastructure. Construction staking for the site and offsite utilities was also done.

This project led to associate projects, which included a Traffic Impact Study at the intersection of Erskine Lane and Teays Valley Road (County Route 33) and widening plans for Teays Valley Road to accommodate an additional left turn lane into the site. The construction was completed in March of 2005 at a cost of approximately \$ 3.5 million.



INTERNATIONAL COAL GROUP HEADQUARTERS

Scott Depot, West Virginia

CLIENT

GDY, LLC
500 Corporate Centre Drive
Suite 550
Scott Depot, West Virginia 25560
Mr. Gary Young
304.757.9196

DATES

June 2005 – February 2007

PROJECT TYPE

Site Development

PROJECT LENGTH / SIZE

2.5 acres
51,000 square feet

KEY PERSONNEL

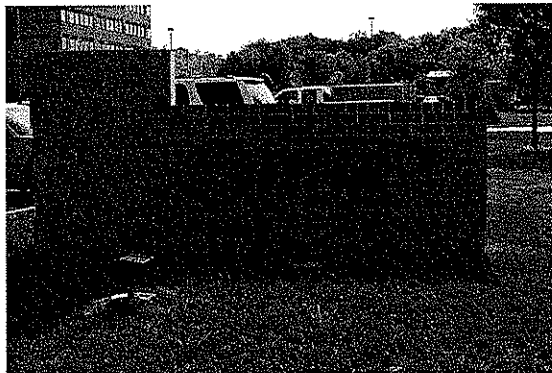
Mike Newton, PE, PS

SERVICES PROVIDED

Surveying & Mapping
Site Design
Permits
Construction Staking

AMOUNT OF CONTRACT

Engineering - \$29,300
Construction – \$7.1 million



This project included boundary and topographic surveys and site plans for a 2.5 acre site with a 51,000 square foot building. The site plans included geometric layout, striping, utilities, grading, drainage, landscaping, lighting and erosion control. All permits were obtained. The construction was completed in February of 2007 at a cost of approximately \$7,100,000.





TOWN OF ELEANOR IVYWOOD STREET DRAINAGE

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

2006 - 2007

PROJECT TYPE

Storm Drainage System Improvements

PROJECT LENGTH / SIZE

Approximately: 850 L.F. of 12" CMP
150 L.F. of 15" CMP
200 L.F. of 18" CMP
150 L.F. of 24" CMP

KEY PERSONNEL

Mike Newton, PE, PS
Project Manager

Mathew T. McDougal
Junior Engineer

SERVICES PROVIDED

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

This project included all of the planning, engineering and management services necessary to redesign the existing drainage along Ivywood Street located in the Town of Eleanor. The project incorporated existing drainage structures along with the addition of new structures and upgraded drainage pipes. The project design included the re-grading of ditch lines and approximately 850 L.F. of 12" CMP pipe, 150 L.F. of 15" CMP pipe, 200 L.F. of 18" CMP pipe, and 150 L.F. of 24" CMP pipe.

TOWN OF ELEANOR IVYWOOD STREET DRAINAGE IMPROVEMENTS ELEANOR, WV 25070

SHEET INDEX

- 1 PROJECT LOCATION & CONTACTS
- 2 GENERAL NOTES & TITLES
- 3 PLAN & PROFILE SHEET
- 4 PLAN & PROFILE SHEET
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- 7 PLAN & PROFILE SHEET
- 8 PLAN & PROFILE SHEET
- 9 PLAN & PROFILE SHEET

UTILITIES INFORMATION:

SANITARY SEWER
TOWN OF ELEANOR
ELEANOR, WV 25070
PHONE: (304) 264-2319
CONTACT: FRED HALSTEAD, MAYOR

WATER
WEST VIRGINIA AMERICAN WATER CO.
P.O. BOX 1006
CHARLESTON, WV 25327
PHONE: (304) 340-0264

GAS
UNION OIL & GAS COMPANY
PHONE: (304) 308-1201
13 FOREST STREET
BRIDGEVIEW, WV 26013
CONTACT: STEVE YOUNG

ELECTRIC
AMERICAN ELECTRIC POWER
1065 US ROUTE 90
ELSTON, WV 25841
PHONE: 1-877-537-2868
CONTACT: KEITH STANLEY (304) 943-1924

TELEPHONE
VERIZON
PHONE: (304) 340-0260
1000 MACDONALD AVENUE
CHARLESTON, WV 25314
CONTACT: DANITA GIBNEY

CABLE
CHARTER COMMUNICATIONS
4020 PEARL VALLEY ROAD
SCOTTSDALE, AZ 85260
PHONE: (304) 705-6001 EXT. 28026
CONTACT: TERRA BAUGHANDMER

PLAN 1 SHEET - 12" CMP PIPE
PLAN 2 SHEET - 15" CMP PIPE
PLAN 3 SHEET - 18" CMP PIPE
PLAN 4 SHEET - 24" CMP PIPE

PLAN 5 SHEET - 12" CMP PIPE
PLAN 6 SHEET - 15" CMP PIPE
PLAN 7 SHEET - 18" CMP PIPE
PLAN 8 SHEET - 24" CMP PIPE

PLAN 9 SHEET - 12" CMP PIPE
PLAN 10 SHEET - 15" CMP PIPE
PLAN 11 SHEET - 18" CMP PIPE
PLAN 12 SHEET - 24" CMP PIPE

CONTACT INFORMATION:

ENGINEER/SUPERVISOR
MIKE NEWTON, P.E., P.S.
CK4
PHONE: (304) 201-6990
FAX: (304) 201-6983

PROJECT INFORMATION:

TOWN OF ELEANOR
IVYWOOD STREET DRAINAGE IMPROVEMENTS
PROJECT LOCATION AND CONTACTS

TOWN OF ELEANOR MARBLE DRIVE DRAINAGE

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

This project included all of the planning, engineering and management services necessary to develop a new drainage system along Marble Drive in the Town of Eleanor. This project relieved ponding water from the road, and routed it to a parallel creek. The project included approximately 144 linear feet of 12" HDPE pipe, 2 drainage inlets, and a 12" headwall. At a construction cost of approximately \$12,700.

DATES

2008-2009

PROJECT TYPE

Storm Drainage System Improvements

PROJECT LENGTH / SIZE

Approximately 150 linear feet of 12" HDPE pipe,
2 drainage inlets, 12" Headwall

KEY PERSONNEL

Mike Newton, PE, PS
Project Manager

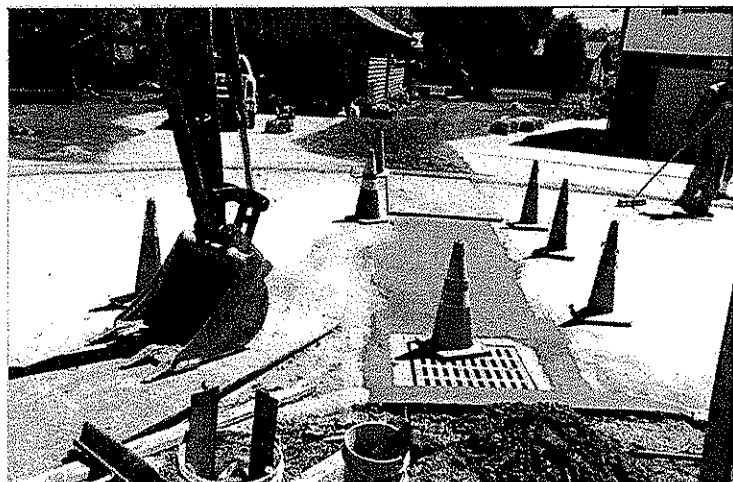
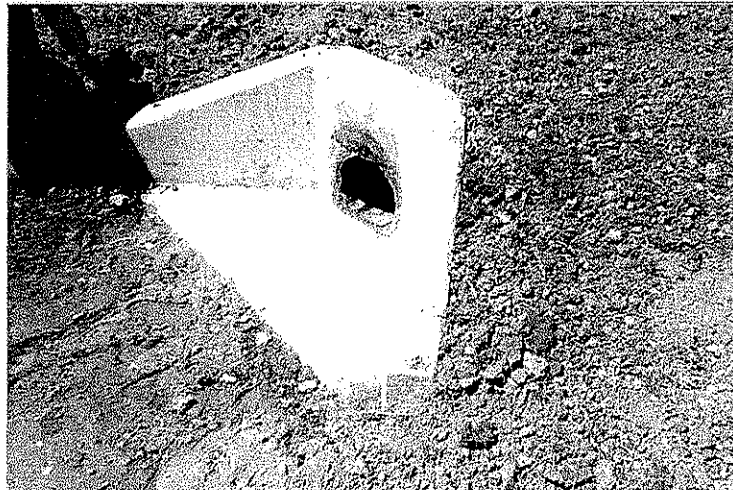
Matthew T. McDougal
Junior Engineer

SERVICES PROVIDED

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

AMOUNT OF CONTRACT

Construction Cost - \$12,700



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

Mike Newton, P.E.
Project Manager

Patrick Rawlings
Senior Designer

SERVICES PROVIDED

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

AMOUNT OF CONTRACT

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 QUALIFICATION QUESTIONNAIRE**

Attachm c "B"

PROJECT NAME Design Services and Construction Monitoring Services at the: Little Laurel Run Highway Design Project		DATE (DAY, MONTH, YEAR) October 1, 2009	FEIN 61-0865261
1. FIRM NAME Presnell Associates, Inc. dba Qk4		2. HOME OFFICE BUSINESS ADDRESS 815 West market St., Suite 300 Louisville, KY 40202-2654	3. FORMER FIRM NAME Presnell Associates, Inc.
4. HOME OFFICE TELEPHONE (502)585-2222	5. ESTABLISHED (YEAR) 1974 - Company 2000 - WV Office	6. TYPE OWNERSHIP Corporation	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES NO X

7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
 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
 David E. Smith, PE; Pres. & CEO
 Glen M. Kelly, PE, PLS; Exec. VP
 Susan M. Newman, Sr VP/CFO/Sec/Treas.
 David J. Reed, ASLA; Senior. VP
 Matthew R. Houser, ASLA; Senior VP

8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
 S. Michael Newton, PE, PLS; Regional Manager WV, Assistant VP
 Sherrill Smith, PE, PLS; Vice President
 David Heyne, AIA; Assistant Vice President

9. PERSONNEL BY DISCIPLINE
- | | | | | | | |
|---------------------------|---|----------------------|---|----------------------------|---|----------------------|
| 1 ADMINISTRATIVE | — | ECOLOGISTS | — | LANDSCAPE ARCHITECTS | — | STRUCTURAL ENGINEERS |
| — ARCHITECTS | — | ECONOMISTS | — | — MECHANICAL ENGINEERS | — | 1 SURVEYORS |
| — BIOLOGIST | — | ELECTRICAL ENGINEERS | — | — MINING ENGINEERS | — | TRAFFIC ENGINEERS |
| 1 CADD OPERATORS | — | ENVIRONMENTALISTS | — | — PHOTOGRAMMETRISTS | — | OTHER |
| — CHEMICAL ENGINEERS | — | ESTIMATORS | — | — PLANNERS: URBAN/REGIONAL | — | |
| 1 CIVIL ENGINEERS | — | GEOLOGISTS | — | — SANITARY ENGINEERS | — | |
| — CONSTRUCTION INSPECTORS | — | HISTORIANS | — | — SOILS ENGINEERS | — | |
| — DESIGNERS | — | HYDROLOGISTS | — | — SPECIFICATION | — | TOTAL PERSONNEL |
| — DRAFTSMEN | — | | — | WRITERS | — | |

TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 1
 *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 € NO

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

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

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

YES Description and Number of Projects: Glen Whne Air Shafts, DEP14270; Delbarton (Dardi) Portals DEP14524

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

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

NAME & TITLE (Last, First, Middle Int.) Newton, Steven M., PE, PS Regional Office Manager - WV Assistant Vice President	YEARS OF AML DESIGN EXPERIENCE: 1	YEARS OF AML RELATED DESIGN EXPERIENCE: 32	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 32
	YEARS OF EXPERIENCE		

Brief Explanation of Responsibilities

Overall project management and design, budget maintenance, QA/QC, and preparation of easement acquisition documents.

EDUCATION (Degree, Year, Specialization)
Speed Scientific School
University of Louisville, 1975-1980
Civil Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
ASCE, NSPE, WVACE, WVRWA

REGISTRATION (Type, Year, State)

PE/1984/KY; PE/1985/IN; PE/1995/NC; PE/1995/PA; PE/2000/WV; PS/1983/KY; PS/1990/TN; PS/1990/IL; PS/2000/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 AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE:	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
	YEARS OF EXPERIENCE		

Brief Explanation of Responsibilities

EDUCATION (Degree, Year, Specialization)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

REGISTRATION (Type, Year, State)

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

Software - AutoCAD Civil 3D - 2008

Equipment - 7 - Dell Desktop PC Computers

HP DesignJet 1055 CM Plotter

HP LaserJet 500N

HP OfficeJet 7110

Bentley MicroStation 8

Sharp AR-BC260 Digital Imager

Haestad Methods - Flowmaster

Wild NA20 Level

MS - Word (2003)

MS - Excel (2003)

Adobe Writer and Reader 7.0

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
Glen White Air Shafts Abandoned Mine Raleigh Co., WV	WVDEP Office of Abandoned Mine Lands and Reclamation 116 Industrial Drive Oak Hill, WV 25901	Design Bidding Assistance Construction Administration Construction Inspection	\$228,500	Design 100% Construction 0%
Green Valley Extension Wastewater Extension Logan Co., WV	Buffalo Creek PSD P O Box 209 Amherstdale, WV 25607	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$1,000,000	Preliminary 100% Design 0%
Cobblestone Subdivision Numerous Site Plans (12) Putnam Co., WV	Various Clients	Preparation of Site Plans	\$6,000,000	0-100%
Jim/Bee Ridge Waterline Extension Putnam Co., WV	Putnam County Commission 3389 Winfield Road Winfield, WV 25213	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$1,600,000	Design 100% Construction 60%
4-H Camp Site Plans Putnam Co., WV	Putnam County 4-H Foundation Rosalee Juba-Plumly, President P O Box 380 Eleanor, WV 25070	Preparation of Site Plans	--	Design 50%
Paden City Wastewater Collection System - Rehab Project Tyler & Wetzel Counties, WV	City of Paden City P O Box 211 Paden City, WV 26159	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$1,800,000	Design 100% Construction 0%
Waverly Wastewater Upgrade Wood & Pleasants Counties, WV	Union Williams PSD P O Box 243 Waverly, WV 26161	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$730,000	Design 100% Construction 0%
Pleasants County Waterline Extension Pleasants Co., WV	Union Williams PSD P O Box 243 Waverly, WV 26161	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$943,000	Design 100% Construction 0%


TOTAL NUMBER OF PROJECTS: 19 (this page) TOTAL ESTIMATED CONSTRUCTION COSTS: \$ 8,073,000 (this page)

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

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETE
US Route 35 Relocate / Upgrade Mason Co., WV	WV DOT 1900 Kanawha Blvd. E Charleston, WV 25305	Preliminary Report Preliminary Design Final Design Construction Administration	\$28,900,000	36%
Alum Creek Facilities Planning Report Lincoln Co., WV	Lincoln PSD P O Box 38 Alum Creek, WV 25003	Preparation of Facilities Plan with Assistance with funding	\$27.6 Million	Facilities Plan 99%
Fisher's Ford Bridge Renovation Morgan Co., WV	WV DOT 1900 Kanawha Blvd., E. Charleston, WV 25305	Preliminary Report Preliminary Design Final Design Construction Administration	\$1.7 Million	Preliminary 100% Design 30%
WV Route 9 Relocate/Upgrade Jefferson & Berkeley Counties, WV	WV DOT 1900 Kanawha Blvd., E. Charleston, WV 25305	Preliminary Report Preliminary Design Final Design Construction Administration	\$60.8 Million	Design 100% Construction 75%
Jim / Bee Ridge Extensions Putnam Co., WV	Putnam County Commission 3389 Winfield Road Winfield, WV 25213	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$340,000	Design 100% Construction 0%
Delbarton (Dardi) Portals Design Mingo Co., WV	WVDEP - AML 601 57th Street, SE Charleston, WV 25304	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	--	Design 0%
Eleanor Sewer Reconstruction Putnam Co., WV	Town of Eleanor P O Box 185 401 Roosevelt Blvd. Eleanor, WV 25070	Design Bidding Assistance Construction Administration Construction Inspection Post Construction	\$109,000	Design 100% Construction 0%
TOTAL NUMBER OF PROJECTS: 7 (this page)			TOTAL ESTIMATED CONSTRUCTION COSTS: \$ 119,449,000 (this page)	

17. CC		ETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM		S THE DESIGNATED ENGINEER OF RECORD		Pg 1	
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)			
Marble Drive Drainage Improvements Putnam Co., WV	Town of Eleanor P O Box 185 401 Roosevelt Blvd. Eleanor, WV 25070	\$13,000	2009	YES			
Cobblestone Subdivision Section 3 Putnam Co., WV	Cobblestone Subdivision, LLC 500 Corporate Centre Drive Suite 550 Scott Depot, WV 25560	\$900,000	2009	NO			
Vintroux Road/US Route 35 Sanitary Sewer System Extension Putnam Co., WV	Putnam PSD P O Box 860 Scott Depot, WV 25560	\$2.1 Million	2009	YES			
Eleanor Plaza Sidewalk Extension Putnam Co., WV	Town of Eleanor P O Box 185 401 Roosevelt Blvd. Eleanor, WV 25070	\$35,000	2008	YES			
Vintroux Waterline Replacement Putnam Co., WV	Putnam PSD P O Box 860 Scott Depot, WV 25560	\$420,000	2007	YES			
Northfork Waterline AML Study ID #308 McDowell Co., WV	WVDEP - AML 601 57 th Street, SE Charleston, WV 25304	N/A Study	2007	NO			
Ivywood Street Drainage Plans Putnam Co., WV	Town of Eleanor P O Box 185 401 Roosevelt Blvd. Eleanor, WV 25070	--	2007	NO			
Dr. Herman Site Plan Putnam Co., WV	Dr. Herman eye Center 3709 Teays Valley Rd. Hurricane, WV 25526	\$630,000	2007	YES			
ICG Site Plan Putnam Co., WV	G & G Builders 500 Corporate Centre Drive Suite 550 Scott Depot, WV 25560	\$7,100,000	2006	YES			

17. CC	ETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR FIRM	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	Pg. 2 CONSTRUCTED (YES OR NO)
PROJECT NAME, TYPE AND LOCATION					
Eleanor Sidewalk Plans Putnam Co., WV	Town of Eleanor P O Box 165 401 Roosevelt Blvd. Eleanor, WV 25070	\$158,000	2006	YES	
Cobblestone Subdivision Phases 1 and 2 Putnam Co., WV	Cobblestone Subdivision, LLC 500 Corporate Centre Drive Suite 550 Scott Depot, WV 25560	\$1,200,000	2005-2006	YES	
Fruth Pharmacy Site Plan Kanawha Co., WV	G & G Builders 500 Corporate Centre Drive Suite 550 Scott Depot, WV 25560	\$900,000	2005	YES	
Teays Valley Road (WV 33) Road Widening Putnam Co., WV	Putnam County Development Authority P O box 167 Scott Depot, WV 25560	\$150,000	2005	YES	
Teays Valley Cinemas Site Plan Putnam Co., WV	G & G Builders 500 Corporate Centre Drive Suite 550 Scott Depot, WV 25560	\$3,500,000	2005	YES	
I-68 Underpass Closure Bridge Design Preston Co., WV	WVDOT 1900 Kanawha Blvd., E Charleston, WV 25305	\$1,200,000	2005	YES	
Midway Sewer System Phases 1 and 2 Putnam Co., WV	Putnam PSD P O Box 860 Scott Depot, WV 25560	\$650,000	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 Braxton Co., WV	WVVARNG	\$100,000	2009	NO	Jerry Goff Architecture 100 1st Ave. 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: 		Title: Office Manager		Date: 10-1-09		
Printed Name: Steven M. Newton						

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

* 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.

WEST VIRGINIA DIVISION OF HIGHWAYS
CONSULTANT CONFIDENTIAL QUALIFICATION QUESTIONNAIRE

EXPERIENCE DATA		FEIN 52-2365940	
DATE (DAY, MONTH, YEAR) 17 September 2009		3. FORMER FIRM NAME NA	
1. FIRM NAME Novel Geo-Environmental, PLLC	2. HOME OFFICE BUSINESS ADDRESS 171 Montour Run Road Pittsburgh, PA 15108	6a. WV REGISTERED DBE YES	
4. HOME OFFICE TELEPHONE (412) 722 - 1970	5. ESTABLISHED (YEAR) 2002	6. TYPE OWNERSHIP LLC	
7. PRESENT OFFICES: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. PERSONNEL EACH OFFICE 171 Montour Run Road, Pittsburgh, PA 15108 / (412) 722-1970 / Office Manager: Amy Veltri / 12 personnel 806 B Street, St. Albans, WV 25177 / (304) 201-5180 / Office Manager: John Nottingham / 11 personnel			
8. NAMES OF PRINCIPAL OFFICIALS OR MEMBERS OF FIRM Amy L. Veltri, President John E. Nottingham, Vice President		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS	
9. PERSONNEL BY DISCIPLINE			
3 ADMINISTRATIVE	—	—	—
— ARCHITECTS	—	—	—
— CADD OPERATORS	—	—	—
— CHEMICAL ENGINEERS	4	—	—
— CIVIL ENGINEERS	—	—	—
5 CONSTRUCTION INSPECTORS	3	—	—
— DESIGNERS, HIGHWAY	—	—	—
— DRAFTSMEN	—	—	—
— ECOLOGISTS	—	—	—
— ECONOMISTS	—	—	—
— ELECTRICAL ENGINEERS	—	—	—
4 ENVIRONMENTALISTS	—	—	—
— ESTIMATORS	—	—	—
3 GEOLOGISTS	—	—	—
— HISTORIANS	—	—	—
— HYDROLOGISTS	—	—	—
— LANDSCAPE ARCHITECTS	—	—	—
— MECHANICAL ENGINEERS	—	—	—
— MINING ENGINEERS	—	—	—
— PHOTOGRAMMETRISTS	—	—	—
— PLANNERS: URBAN/REGIONAL	—	—	—
— SANITARY ENGINEERS	—	—	—
3 SOILS ENGINEERS	—	—	—
— SPECIFICATION WRITERS	—	—	—
— STRUCTURAL ENGINEERS	—	—	—
— SURVEYORS	—	—	—
— TRAFFIC ENGINEERS	—	—	—
— TRANSPORTATION ENGINEERS	—	—	—
— ENVIRONMENTAL ENGINEERS	2	—	—
— OTHER	3	—	—
		25 TOTAL PERSONNEL	

10. IF SUBMITTAL IS BY JOINT-VENTURE, LIST PARTICIPATING FIRMS & OUTLINE SPECIFIC AREAS OF RESPONSIBILITY (INCLUDING ADMINISTRATIVE, TECHNICAL & FINANCIAL) FOR EACH FIRM. (Each participating Firm Must Complete a "Consultant Confidential Qualification Questionnaire" If a copy is Not On File With The Division).

N/A

10a. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? € YES € NO

11. O IDE KEY CONSULTANTS/ASSOCIATES ANTICIPATED TO BE ED. Attach "Consultant Confidential Qualification Questionnaire" for each if copy is not on with the Division.

NAME AND ADDRESS	SPECIALITY	WORKED WITH BEFORE
		<p>— YES</p> <p>— NO</p>
<p>12. A. Are you experienced in Traffic Engineering?</p> <p>NO</p>	<p>13. Indicate in order of precedence using "1", "2", "3", etc., the types of work your firm is particularly qualified to perform by virtue of experience and training of members and associates. (Note: Work specialties not sufficiently identified by general categories are to be listed separately below.)</p>	<p>() AERIAL PHOTOGRAPHY</p> <p>() ACOUSTICS-NOISE ABATEMENT</p> <p>() ARCHEOLOGICAL-CULTURAL RESOURCE</p> <p>() BRIDGES-STRUCTURAL</p> <p>() COMMERCIAL BUILDINGS</p> <p>() CONSTRUCTION MANAGEMENT</p> <p>() DAM-IRRIGATION</p> <p>() ELECTRICAL FACILITIES</p> <p>(7) ENVIRONMENTAL-EIS/EIA</p> <p>() FLOOD CONTROL-WATER RESOURCES</p> <p>(1) GEOTECHNICAL</p> <p>() HIGHWAYS-STREETS</p> <p>() HOUSING</p> <p>() HVAC</p> <p>(6) LABORATORIES-SOILS & MATERIALS PHYSICAL TEST</p> <p>() LIGHTING-EXTERIOR</p> <p>() MANUALS</p> <p>() MASTER PLNG.-SITE DEVELOPMENT</p> <p>() PHOTOGRAMMETRY</p> <p>() POWER-HEATING PLANTS</p> <p>() PUBLIC BUILDINGS</p> <p>() RAILROAD-RAPID TRANSIT</p> <p>() RECREATION FACILITIES</p> <p>() SURVEYING</p> <p>() UTILITIES</p> <p>() VALUE ANALYSIS</p> <p>() WATER-SEWAGE</p> <p>(2) ENVIRONMENTAL-COMPLIANCE & PERMITTING</p> <p>(4) ENVIRONMENTAL-PHASE I/II ESA</p> <p>(5) ENVIRONMENTAL REMEDIATION-SOIL & GROUNDWATER</p> <p>(3) DRILLING-GEOTECHNICAL & ENVIRONMENTAL</p>
<p>B. Are you experienced in Soil Analysis?</p> <p>YES Geotechnical -- Design of test boring programs, inspection of drilling activities, boring log preparation, soil physical properties laboratory testing, provide recommendations for foundation designs, cut slope design, fill embankment design, pavement design, slope stability analysis, geotechnical investigation reports with detailed recommendations for bridge and roadway design.</p> <p>Environmental - Phase I and II ESAs identification and delineation of impacted soils, development of remediation plan for impacted soils both in-situ and off-site, determination of risk-based corrective action levels for soil remediation, risk assessment of impacted soils, field identification of Hydric soils for wetland assessments and delineations.</p>		
<p>C. Do you produce your own Aerial Photography and Develop Contour Mapping?</p> <p>NO</p>		
<p>D. Do you perform your own bridge and/or structural design?</p> <p>NO</p>		

14. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES (Furnish complete data but keep to essentials)

NAME (Last, First, Middle Initial)	YEARS OF EXPERIENCE		
	AS PRINCIPAL IN THIS FIRM	AS PRINCIPAL IN OTHER FIRMS	OTHER THAN PRINCIPAL
Veltri, Amy L.	7	0	16
EDUCATION (Degree, Year, Specialization) Bachelor of Science in Civil Engineering, 1989, Environmental and Geotechnical Engineering Master of Science in Civil Engineering, 1996, Environmental Engineering MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS AMWA (Air and Waste Management Association) AAEE (American Academy of Environmental Engineers) The Society of American Military Engineers			
REGISTRATION (Type, Year, State) Professional Engineer, 1996, Pennsylvania Professional Engineer, 1999, West Virginia Certified ISO 14001 Lead Assessor, 2002 Diplomat Environmental Engineer, 2002			

14. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES (Furnish complete data but keep to essentials)

NAME (Last, First, Middle Initial)	YEARS OF EXPERIENCE		
	AS PRINCIPAL IN THIS FIRM	AS PRINCIPAL IN OTHER FIRMS	OTHER THAN PRINCIPAL
Nottingham, John E.	7	4	18
EDUCATION (Degree, Year, Specialization) Bachelor of Science in Civil Engineering, 1987, Geotechnical Engineering Master of Science in Civil Engineering, 1995, Geotechnical Engineering MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS ASCE (American Society of Civil Engineers) WV Chapter of AIA The Society of American Military Engineers			
REGISTRATION (Type, Year, State) Professional Engineer, 1994, West Virginia Professional Surveyor, 1995, West Virginia Professional Engineer, 2007, Virginia			

14. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES (Furnish complete data but keep to essentials)

NAME (Last, First, Middle Initial)	YEARS OF EXPERIENCE		
	AS PRINCIPAL IN THIS FIRM	AS PRINCIPAL IN OTHER FIRMS	OTHER THAN PRINCIPAL
EDUCATION (Degree, Year, Specialization) MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS			
REGISTRATION (Type, Year, State)			

15. PREPARE LIST OF 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
None			
TOTAL NUMBER OF PROJECTS: 0			TOTAL ESTIMATED CONSTRUCTION COSTS: \$

16. PRESENT ACTIVITIES ON WHICH YOU ARE ASSOCIATED WITH OTHERS

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	YOUR FIRMS RESPONSIBILITY
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NGE Environmental Consulting Services

16. PRESENT ACTIVITIES ON WHICH YOU ARE ASSOCIATED WITH 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
RPM Engineers Greenbrier County 911 Tower Quinwood, WV	Phase I ESA and NEPA Screening for FCC	Greenbrier County Commission Lewisburg, WV	2009	Unknown	\$3,450.00
Ohio River Terminals Voluntary Remediation Kenova, WV	LRS implementing and overseeing soil and groundwater remediation	Ingram Barge Co. 4400 Harding Road Nashville, TN 37205	2010	\$350,000.00	\$185,000.00
Former WV Ordnance Works, Groundwater Extraction & Treatment System O&M, Point Pleasant, WV	LRS implementing and overseeing groundwater remediation	US Army Corps of Engineers, Huntington District Huntington, WV	2012	\$2,475,000.00	\$2,475,000.00
Storm Water Impress USA Weirton, WV	Preparation of Storm Water Pollution Prevention Plan	Impress USA 3030 Birch Drive Half Moon Industrial Park Weirton, WV 26062	2009	\$4,750.00	\$4,750.00
Tier II Reporting Precision Sistersville, WV	EPA Tier II Chemical Reporting Preparation and Submittal	Precision, LLC 435 Burt St Sistersville, WV, 26175-1607	2009	\$4,200.00	\$4,200.00
Phase I ESA Proposed Hotel Cross Lanes, WV	Phase I ESA	Cross Lanes Hospitality, LLC Cross Lanes, WV	2008	\$4,000.00	\$4,000.00
Phase II ESA Randolph Engineering Charleston, WV	Phase II ESA Soil and Groundwater Sampling	Randolph Engineering Charleston, WV	2008	\$13,500.00	\$13,500.00

16. PRE: ACTIVITIES ON WHICH YOU ARE ASSOCIATED WITH OTI 3

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

NGE Geotechnical Consulting Services

16. PROJECT ACTIVITIES ON WHICH YOU ARE ASSOCIATED WITH OTY 3

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
Lucille Stalnaker Bridge Gilmer County, WV	Geotechnical Engineer	WVDOH Charleston, WV	Unknown	Unknown	\$22,000.00
I-64 Over Twelvepole Creek Wayne County, WV	Geotechnical Engineer	WVDOH Charleston, WV	Unknown	Unknown	\$10,000.00
Yeager & Wintz Bridges Kanawha County, WV	Geotechnical Engineer	WVDOH Charleston, WV	Unknown	Unknown	\$5,000.00
Beech Fork Bridge, Wayne County WV	Geotechnical Engineer	WVDOH Charleston, WV	Unknown	Unknown	\$16,000.00
Midkiff Truss Bridge Lincoln County, WV	Geotechnical Engineer	WVDOH Charleston, WV	Unknown	Unknown	\$21,000.00
Orlando Bridge Braxton County, WV	Geotechnical Engineer	WVDOH Charleston, WV	Unknown	Unknown	\$23,000.00
Pennsylvania Ave. Tunnel Extension, Kanawha County, WV	Geotechnical Engineer	WVDOH Charleston, WV	2008	Unknown	\$15,000.00

16. PRESENT ACTIVITIES ON WHICH YOU ARE ASSOCIATED WITH OTR

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY	NAME AND ADDRESS OF OWNER	ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST	YOUR FIRMS RESPONSIBILITY
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NGE Drilling Services

16. PRESENT ACTIVITIES ON WHICH YOU ARE ASSOCIATED WITH 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
Dundon Bridge Core Drilling Clay County, WV	Core Drilling	WVDOH Charleston, WV	2006	Unknown	\$3,500.00
Chesapeake Bridge Replacement Kanawha County, WV	Core Drilling	WVDOH Charleston, WV	2006	Unknown	\$20,000.00
U.S. Route 35 Mason County, WV	Core Drilling	WVDOH Charleston, WV	Unknown	Unknown	\$12,000.00
WV Route 10 Logan County, WV	Core Drilling	WVDOH Charleston, WV	Unknown	Unknown	\$8,000.00
South Mineral Wells Interchange Wood County, WV	Core Drilling	WVDOH Charleston, WV	Unknown	Unknown	\$5,000.00
Pennsylvania Ave. Tunnel Extension Kanawha County, WV	Geotechnical Engineer	WVDOH Charleston, WV	2008	Unknown	\$15,000.00

17. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD	PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
NGE Environmental Consulting Services					

17. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
None				

17. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
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NGE Geotechnical Consulting Services

17. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
White Sulphur Hill Lot 68 Pile Retaining Wall White Sulphur Springs, WV	The Greenbrier Sporting Club 300 West Main Street White Sulphur Springs, WV	\$40,000.00	2004	YES
Reed Landslide Cross Lanes, WV	Brian Reed 115 Carter Street Ripley, WV 25271	\$50,000.00	2006	YES
Hinton Housing Development Retaining Wall Design Hinton, WV	J. Dan Snead & Associates, Inc. 3049 Robert C. Byrd Dr. Suite 200 Beckley, WV	\$50,000.00	2007	YES
Mancuso Access Road Roadway Design Glen Lyn, VA	Jerry Mancuso Route 1 Box 163 Lindside, WV 24951	\$10,000.00	2007	No

17. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
NGE Drilling Services				

17. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE THE DESIGNATED ENGINEER OF RECORD

PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
None				

18. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE ASSOCIATED WITH 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
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NGE Environmental Consulting Services

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 Division of Highways.

20. The foregoing is a statement of facts.

Signature: John E. Nottingham Title: Vice President Date: September 17, 2009

Printed Name: John E. Nottingham

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

18. ()PLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WEI ASSOCIATED WITH OTHER FIRMS (INDICATE PHASE OF WC 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
Soil Remediation Buckhannon, WV site	Various locations West Virginia	\$26,500.00	2003		ERM - Pittsburgh, PA
FAA Radar Site Investigations Soil Assessment	FAA Pittsburgh, PA	\$35,945.00	2004		
Hazardous Material Survey for Randolph Engineering	Martinsburg, WV	\$1,650.00	2004		Randolph Engineering
Ergon Total Annual Benzene Evaluation	9995 Ohio River Blvd Newell, WV, 26050-1195	\$15,000.00	2004		
Compliance Assistance Precision Sistersville, WV	435 Burt St Sistersville, WV, 26175-1607	\$2,500.00	2006		
Phase I ESA Prestera	Prestera Center Charleston, WV	\$2,750.00	2007		
Environmental Compliance Assistance Impress USA	Impress USA 3030 Birch Drive Half Moon Industrial Park Weirton, WV 26062	\$22,000.00	On-going		

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20. The foregoing is a statement of facts.

Signature: John E. Nottingham Title: Vice President Date: September 17, 2009

Printed Name: John E. Nottingham

18. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE ASSOCIATED WITH 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
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NGE Geotechnical Services

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 Division of Highways.

20. The foregoing is a statement of facts.

Signature: John E. Nottingham Title: Vice President Date: September 17, 2009

Printed Name: John E. Nottingham

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

18. PLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WE ASSOCIATED WITH OTHER FIRMS (INDICATE PHASE OF W 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
Ravenswood Eyecare Geotechnical Investigation Ravenswood, WV	Dr. Ben Mize 2020 Professional Circle Ravenswood, WV 25302	\$3,000.00	2008		
Kentucky Fried Chicken Restaurant Geotechnical Investigation Hurricane, WV	BW Painter, Inc. 1508 Bigley Avenue Charleston, WV 25302	\$3,000.00	2008		
Greif Brothers Warehouse Geotechnical Investigation Huntington, WV		\$7,000.00	2008		Edward Tucker Architects 916 5 th Ave, Suite 208, Huntington, WV 25701
Grafton Walgreens Geotechnical Investigation Grafton, WV	ML Grafton, LLC 8869 Brecksville Rd., Suite A Brecksville, OH 44141	\$4,000.00	2008		
Target Drilling Office Building, Geotechnical Investigation Smithton, PA	Target Drilling, Inc. 5134 Oak Road Jefferson Hills, PA 15205	\$4,000.00	2008		
I-64 Bridge over Hal Greer Blvd CSL Testing Huntington, WV	West Virginia Department of Highways Charleston, WV	\$17,000.0	2008		
Corridor H Highway QC Testing Soil Compaction & Concrete Grant County, WV	West Virginia Department of Highways Charleston, WV	\$75,000.00	2008		

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20. The foregoing is a statement of facts.

Signature: John E. Nottingham Title: Vice President
 Printed Name: John E. Nottingham Date: September 17, 2009

18. COMPLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WERE ASSOCIATED WITH 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
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NGE Drilling Services

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 Division of Highways.

20. The foregoing is a statement of facts.

Signature: John E. Nottingham Title: Vice President

Printed Name: John E. Nottingham

Date: September 17, 2009

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

18. PLETED WORK WITHIN LAST 10 YEARS ON WHICH YOU WE ASSOCIATED WITH OTHER FIRMS (INDICATE PHASE OF W 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	
Tank Foundation Jane Lew, WV	Chesapeake Energy Charleston, WV	\$2,005.00	2007	Yes	Pray Construction Scott Depot, WV	
Fairmont Water Park Fairmont, WV	American Resort Management, LLC	\$4,500.00	2007	Under Construction	Ahern & Associates	
Air National Guard Charleston, WV	Air National Guard Charleston, WV	\$1,050.00	2007	Yes	Terradon Nitro, WV	
Harrison Marion Regional Airport Clarksburg, WV	Harrison Marion Regional Airport Clarksburg, WV	\$5,197.50	2007	Yes	Thrasher Engineering Clarksburg, WV	
Foster Supply Wall Scott Depot, WV	Foster Supply Co. 4847 Teays Valley Road St. Albans, WV	\$1,215.00	2007	Yes	Foster Supply Scott Depot, WV	
Foundation Coal Wayne County, WV	Foundation Coal Co. Wayne County, WV	\$4,500.00	2006	Yes	DLZ Columbus, OH	
Tri-State Dog Track Nitro, WV	Racing Corporation Of West Virginia 1 Greyhound Dr, Charleston, WV 25313	\$616.00	2006	Yes	Terradon Nitro, WV	

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 Division of Highways.

20. The foregoing is a statement of facts.
 Signature: John E. Nottingham Title: Vice President
 Printed Name: John E. Nottingham Date: September 17, 2009

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

PROJECT NAME WVDEP Various Projects	DATE (DAY, MONTH, YEAR) 01/14/2009	FEIN 55-0687626	FORMER FIRM NAME
1. FIRM NAME TERRADON Corporation	2. HOME OFFICE BUSINESS ADDRESS 401 Jacobson Drive, Poca, WV, 25159	3. FORMER FIRM NAME	
4. HOME OFFICE TELEPHONE (304) 755-8291	5. ESTABLISHED (YEAR) 1989	6. TYPE OWNERSHIP Individual <input checked="" type="checkbox"/> Corporation Partnership <input type="checkbox"/> Joint-Venture <input type="checkbox"/>	
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE 401 Jacobson Drive, Poca, WV 25159 / (304)-755-8291 / Thomas Y. Kittredge, President / 48 persons			
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM Thomas Y Kittredge, President Virginia L. King, CFO		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS Timothy T White, P.E., Principal Engineer	
9. PERSONNEL BY DISCIPLINE			
5 ADMINISTRATIVE	— ECOLOGISTS	4 LANDSCAPE ARCHITECTS	1 STRUCTURAL ENGINEERS
— ARCHITECTS	— ECONOMISTS	— MECHANICAL ENGINEERS	10 SURVEYORS
1 BIOLOGIST	— ELECTRICAL ENGINEERS	— MINING ENGINEERS	— TRAFFIC ENGINEERS
9 CADD OPERATORS	2 ENVIRONMENTALISTS	— PHOTOGRAMMETRISTS	— OTHER
— CHEMICAL ENGINEERS	— ESTIMATORS	— PLANNERS: URBAN/REGIONAL	
5 CIVIL ENGINEERS	1 GEOLOGISTS	— SANITARY ENGINEERS	
8 CONSTRUCTION INSPECTORS	— HISTORIANS	1 SOILS ENGINEERS	48 TOTAL PERSONNEL
1 DESIGNERS	— HYDROLOGISTS	— SPECIFICATION WRITERS	
— DRAFTSMEN			
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 5			
*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. OU DE KEY CONSULTANTS/SUB-CONSULTANTS ANTICIPATED TO BE USED. Attach "AML Consultant Qualification Questionnaire".

<p>NAME AND ADDRESS: Triad Engineering 4980 Teays Valley Road Scott Depot WV 25560</p>	<p>Drilling, Soils Lab</p>	<p>WORKED WITH BEFORE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS: Bio-Chem Testing, Inc. PO Box 634 Teays WV 25569</p>	<p>Water Lab</p>	<p>WORKED WITH BEFORE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>NAME AND ADDRESS:</p>	<p>SPECIALTY:</p>	<p>WORKED WITH BEFORE <input type="checkbox"/> Yes <input type="checkbox"/> No</p>

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

YES Description and Number of Projects: **35 Projects for WVDEP/AML&R**

NO

B. Is your firm experienced in Soil Analysis?

YES Description and Number of Projects: **24 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: **24 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

<p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATE RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>			
<p>NAME & TITLE (Last, First, Middle Init.) James, John W., P.E. Senior Geotechnical Engineer</p>	<p>YEARS OF AML DESIGN EXPERIENCE: 8</p>	<p>YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 30</p>	<p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 8</p>
<p>Brief Explanation of Responsibilities</p> <p>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.</p>			
<p>EDUCATION (Degree, Year, Specialization) B.S., 1968, Civil Engineering</p>			
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers (Past President, WV Section)</p>		<p>REGISTRATION (Type, Year, State) P.E., 1973, WV</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 & TITLE (Last, First, Middle Init.) White, Timothy T., P.E. Project Manager, Civil Engineer</p>	<p>YEARS OF AML DESIGN EXPERIENCE: 3</p>	<p>YEARS OF EXPERIENCE YEARS OF AML RELATED DESIGN EXPERIENCE: 16</p>	<p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0</p>
<p>Brief Explanation of Responsibilities</p> <p>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.</p>			
<p>EDUCATION (Degree, Year, Specialization) B.S., 1992, Civil Engineering</p>			
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS American Society of Civil Engineers American Council of Engineering Companies</p>		<p>REGISTRATION (Type, Year, State) P.E., 1990, MO; P.E., 1992, WV; P.E., 2007, VA</p>	

I.3. F. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATE		RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)	
NAME & TITLE (Last, First, Middle Int.)	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
White, William, P.E. Senior Structural Engineer	3	19	0
Brief Explanation of Responsibilities Senior engineer responsible for structural analysis, design engineering, field investigation, specification writing, engineer's cost estimate, prebid and preconstruction meetings. Experienced in retaining wall design.			
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			
I.3. 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 AML DESIGN EXPERIENCE:	YEARS OF EXPERIENCE	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:
Brown, David A., P.S. Professional Surveyor	6	13	6
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			

Software

Autodesk 2007 Land Development Desktop with Civil and Survey Design Modules

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 -

L-pile

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 1050C Plotter

HP DesignJet 759C Plotter

HP LaserJet 8000 Printer (2)

HP Color LaserJet 3700

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
Sawmill Village Development Site/civil Design, Snowshoe, West Virginia	Summit III, LLC 295 Seven Farms Drive Charleston, WV 29492	\$100,000,000	50%
WV Route 2 Water Line Extensions Huntington, West Virginia	West Virginia American Water PO Box 1906 Charleston WV 25327	\$450,000	0%
New Hope 1 MG Water Storage Tank New Hope, West Virginia	West Virginia American Water PO Box 1906 Charleston WV 25327	\$600,000	99%
Salt Rock PSD Water Main Extensions Salt Rock, West Virginia	Salt Rock PSD & Cabell County Commission Huntington, West Virginia	\$2,000,000	50%
Derrick Creek Water Line Extensions Sissonville, West Virginia	West Virginia American Water PO Box 1906 Charleston WV 25327	\$1,500,000	0%
Charleston Replacement Housing Site/Civil for CRH 1-5 Charleston, West Virginia	Alan Ives Construction 10 South La Salle Street, Suite 3440 Chicago, Illinois 60603	\$20,000,000	50%
Putnam County 2006 Water Main Extensions, Putnam County, West Virginia	Putnam County Commission 3389 Winfield Road Winfield, WV 25213	\$3,300,000	98%

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
Fort Lee Hydraulic Study, Water Line Extensions, and New Fuel Tanks Hope Well, Virginia	Virginia American Water Company 900 Industrial Street Hopewell, VA 23860	\$450,000	99%
Fairmont Water Park Fairmont, West Virginia	City Fairmont 200 Jackson Street Fairmont, West Virginia 26554	\$3,000,000	90%
Yeager Airport Parking Deck Charleston, West Virginia	BBL Carlton PO Box 1153 Charleston, WV 25324	\$3,000,000	15%
Relocate CR 18, Eccles, Raleigh County, West Virginia	WVDOT Building 5, Room A-110 1900 Kanawha Blvd. East Charleston WV 25305	\$2,000,000	80%
Sleeths Run Bridge CR119/1 Lewis County West, Virginia	WVDOT Building 5, Room A-110 1900 Kanawha Blvd. East Charleston WV 25305	\$2,000,000	20%
44 Various Cell Tower Sites Throughout West Virginia	NTelos 1150 Shenandoah Village Drive Waynesboro, VA 22980	\$3,000,000	25%

TOTAL ESTIMATED CONSTRUCTION COSTS: \$141,300,000

TOTAL NUMBER OF PROJECTS: 13

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 Mingo County, West Virginia	Civil, Site Design, Surveying	Mingo County BOE Sycamore Street Williamson, WV 25661	2008	\$20,000,000	15%
Marshall Community & Technical College Huntington, West Virginia	Civil, Site Design, Surveying	Marshall University Facilities Planning & Management, Huntington, WV	2009	\$20,000,000	15%
New Teays Elementary Scott Depot, West Virginia	Civil, Site Design, Surveying	Putnam County BOE Winfield, WV 25213	2008	\$12,000,000	15%
Moorefield Intermediate School Moorefield, West Virginia	Civil, Site Design, Surveying,	Hardy County BOE 510 Ashby Street Moorefield, WV 26836	2009	\$12,000,000	15%
Marshall University, Health & Wellness Center, Dormitories Huntington, WV	Civil, Site Design, Hardscape	Marshall University Facilities Planning & Management, Huntington, WV	2008	\$27,000,000	10%
Twin Falls State Park Lodge Expansion McDowell County, WV	Civil, Site Design	WV Division of Natural Resources, Capitol Building 3, R663 Charleston, WV 25305	2008	\$5,500,000	15%
University High School Monongalia County, WV	Civil, Site Design	Monongalia County Schools, 668 River Rd Morgantown, WV 26507	2008	\$12,000,000.00	20%

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)
US 35 Value Engineering, Ramp 1, WV 34 Interchange Putnam County, West Virginia	WVDOT Building 5, Room A-110 1900 Kanawha Blvd. East Charleston WV 25305	Saving \$3,000,000	2007	Yes
Gypsy Bridge S317-19-23.25 00 Erection Plans Harrison County, West Virginia	Bilco Construction Company, Inc. 805 Wisteria Drive South Charleston, WV 25309	\$ 20,000 fee	2008	Under Construction
South Branch Potomac River Bridge, X316-H-100.40 04 Erection Plans Hardy County, West Virginia	Vecellio & Grogan, Inc. P.O. Box 2438 Beckley, WV 25902	\$31,000,000	2008	Under Construction
WV 75 Turning Lanes Fountain Place Development Logan County, West Virginia	WVDOT Building 5, Room A-110 1900 Kanawha Blvd. East Charleston WV 25305	\$ 600,000	2005	Yes
Sedalia Arch Bridge, Bridge Replacement Sedalia, West Virginia	WVDOT Building 5, Room A-110 1900 Kanawha Blvd. East Charleston WV 25305	\$890,000	2006	Yes
Fairmont Coke Works Redevelopment Traffic Study, Fairmont, West Virginia	City Fairmont 200 Jackson Street Fairmont, West Virginia 26554	\$20,000 fee	2006	No
St. Mary's (WV 16) Bypass Route Study Pleasants County, WV	WVDOT Building 5, Room A-110 1900 Kanawha Blvd. East Charleston WV 25305	\$120,000 fee	2004	Study
Hinton Landslide, Landslide Reclamation Hinton, West Virginia	WVDOT, Division of Highways Building 5, Room A-110 1900 Kanawha Boulevard East Charleston, WV 25305	\$1,000,000	2006	Yes

Continued on next page

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)
Corridor L Widening Design US Route 19 Summersville, West Virginia	WV DOT, Division of Highways Building 5, Room A-110 1900 Kanawha Boulevard East Charleston, WV 25305	\$12,100,000	2005	No
Upper Fishers Branch/Guthrie Water Main Extension Kanawha County, West Virginia	West Virginia American Water PO Box 1906 Charleston WV 25327	\$2,800,000	2008	Under Const.
Upper Frame Phase 2 Water Main Extension Kanawha County, West Virginia	Kanawha County RDA & West Virginia American Water PO Box 1906 Charleston WV 25327	\$2,100,000	2008	Under Const.
Tucker County Landfill Expansion Design of Cell 6 Thomas, West Virginia	Tucker County Solid Waste Authority PO Box 58 Thomas WV 26292	\$2,500,000	2007	Yes
Montgomery Wastewater Treatment Plant Upgrade, Design Montgomery, West Virginia	City of Montgomery 706 3 rd Avenue Montgomery WV 25136	\$2,800,000	2009	Under Const.
Back Fork Water Main Extension Webster County, West Virginia	West Virginia American Water PO Box 1906 Charleston WV 25327	\$800,000	2008	Under Const.
Rabel Mountain Water Main Extensions Kanawha County, West Virginia	WV American Water PO Box 1906 Charleston WV 25327	\$600,000	2007	Yes
Fort Lee Water Distribution System Upgrade Fort Lee, Virginia	WV American Water PO Box 1906 Charleston WV 25327	\$1,000,000	2006	Yes

Continued on next page

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)
Prince Williams 1 Million Gallon Elevated Water Storage Tank Prince Williams County, Virginia	WV American Water PO Box 1906 Charleston WV 25327	\$1,500,000	2006	Yes
Hickory Ridge Water Storage Tank Relocation, County, West Virginia	WV American Water PO Box 1906 Charleston WV 25327	\$1,000,000	2006	Yes
Winfield High School Expansion Winfield, West Virginia	Putnam County BOE Winfield, WV 25213	\$2,000,000	2006	Yes
Fountain Place Mall Phase 2 Site/Civil Design Logan, West Virginia	Fountain Place Mall PO Box 794 Logan, WV 25601	\$10,000,000	2005	Yes
Jenkin Jones Refuse Piles Mine Reclamation McDowell County, West Virginia	WVDEP/AML&R 601 57 TH Street SE Charleston WV 25304	\$4,000,000	2005	Yes
Bendale Dam Repair Design Lewis County, West Virginia	WV American Water PO Box 1906 Charleston WV 25327	\$100,000	2005	Yes
RDA of Charleston Olcott Water Study Kanawha County	WVDEP/AML&R 601 57 TH Street SE Charleston WV 25304	\$50,000	2004	Study
Stonecoal Creek Complex Refuse AML&R Raleigh County	WVDEP/AML&R 601 57 TH Street SE Charleston WV 25304	\$4,000,000	2004	Yes
Pond Gap Waterline Extension Kanawha County	WV American Water/RDA of Charleston-Kanawha Co.	\$2,000,000	2004	Yes
Tri-State Gaming Parking Expansion Commercial Site Development Kanawha County	Tri-State Gaming Center PO Box 7118 Cross Lanes WV 25356	\$1,500,000	2004	Yes
Union Ridge Waterline Extension Cabell County	WV American Water/RDA of Charleston-Kanawha Co.	\$2,000,000	2004	Yes

Continued on next page

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)
Witcher Creek Water Line Design	WV American Water PO Box 1906 Charleston WV 25327	\$550,000	2004	Yes
Southridge Expansion Commercial Site Development Kanawha County	RidgeLine, Inc. 400 Second Avenue So. Charleston, WV 25303	\$8,000,000	2003	Yes
Home Depot Commercial Site Development Kanawha County	Ridge Line, Inc. 400 Second Avenue So. Charleston, WV 25303	\$2,000,000	2003	Yes
WV Osteopathic Medical School, Site Development, Greenbrier County	WV School of Osteopathic Medicine 400 North Lee Street Lewisburg, WV 24901	\$50,000	2003	Yes
Toyota Wetland Wetland Mitigation Putnam County	Toyota Motor Corporation of WV, Inc. 1 Sugar Maple Lane Buffalo, WV 25033	\$120,000	2003	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)						
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	
Fairmont State University Campus Improvements Fairmont, West Virginia	Fairmont State University 1201 Locust Avenue Fairmont, WV 26554	\$1,000,000	2007	Yes	Omni Associates	
New Teays Elementary Civil, Site Design, Surveying Scott Depot, West Virginia	Putnam County BOE Winfield, WV 25213	\$1,000,000	2008	Yes	Williamson Shriver Architects	
Mountain State University Health Science Building Civil/Site/Surveying Beckley, WV	Mountain State University PO Box 9003 Beckley, WV 25802-9003	\$1,500,000	2007	Yes	Dan Sneed Architects	
WVU Recreation Center Master Plan Morgantown, WV	West Virginia University	\$2,000,000	2006	No	Omni Associates	
Doddridge County High School Doddridge County, West Virginia	Doddridge County BOE 104 Sistersville Pike West Union, WV 26456	\$1,500,000	2006	Yes	Williamson Shriver Architects	
Capon Bridge Intermediate School Hampshire County, West Virginia	Hampshire County BOE 46 South High Street Romney, WV 26757	\$1,000,000	2006	Yes	Williamson Shriver Architects	
Fairmont Public Safety Building, Fairmont, West Virginia	City Fairmont 200 Jackson Street Fairmont, West Virginia 26554	\$4,000,000	2005	Yes	Omni Associates	
Jefferson High School Jefferson County, West Virginia	Jefferson County Schools 110 Mordington Ave. Charles Town, WV 25414	\$2,000,000	2005	No	Helbing Lipp, Ltd.	
Lincoln County 911 Center Civil, Site Design Lincoln County, WV	Lincoln County Commission Courthouse Offices Hamlin, West Virginia 25523	\$400,000	2004	Yes	Omni Associates	

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)

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 601 57 th Street SE Charleston WV 25304	\$30,000,00.00	2004	Yes	BBL-Carlton
Grafton High School Civil, Site Design Grafton, WV	Taylor Co. BOE 1 Prospect Street Grafton WV 26354	\$1,000,000	2004	Yes	Williamson Shriver Architects, Inc.
Fairmont Middle School Civil, Site Design Fairmont, WV	Marion Co. BOE 200 Gaston Avenue Fairmont WV 26554	\$1,600,000	2004	Yes	Omni Associates
Kanawha Co. 911 Civil, Site Design Kanawha Co., WV	Kanawha County Commission 407 Virginia Street E Charleston WV 25301	\$800,000	2004	Yes	Kreps & Kreps
WV Parking Garage, Site Plan, Geotech Charleston, WV	WV Public Service Commission 201 Brooks Street Charleston, WV 25301	\$500,000.00	2003	Yes	Associated 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. In addition, we have done regrading on numerous other refuse piles and highwalls including Jenkin Jones, Micajah, Linger, Camp Mahonegan, Cedar Creek, and Tappers Creek and Gerath Landslides. Also, we have designed the regrading for numerous other private projects, with great emphasis on providing balanced projects.

20. The foregoing is a statement of facts.

Signature: 
 Title: Marketing Director
 Printed Name: Ryan Wheeler
 Date: January 14, 2009

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