



White Brothers Consulting, LLC

109 West 33<sup>rd</sup> Street  
Belle, West Virginia 25015  
www.white-brothers.com

March 6, 2012

Mr. Guy Nisbet, Buyer  
Department of Administration  
Purchasing Division  
2019 Washington Street, East  
Charleston WV 25305-0130

**Re: Expression of Interest  
West Columbia "B" Design (DEP15584)**

Dear Mr. Nisbet:

White Brothers Consulting, LLC, is pleased to submit our Expression of Interest for the above referenced project. We are a newly formed engineering and surveying company with all members of our firm having AML experience at previous working engagements. If needed, we will utilize a geotechnical or drilling consultant to perform any geotechnical work needed for the project.

White Brothers Consulting, LLC, looks forward to the opportunities and challenges that AML projects present. Please contact us if you have any questions.

Sincerely,

White Brothers Consulting, LLC

Timothy T. White, P.E.  
Member

RECEIVED

2012 MAR -6 PM 12: 21

WV PURCHASING  
DIVISION



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*White Brothers Consulting, LLC*

## **WHITE BROTHERS CONSULTING, LLC**

White Brothers Consulting, LLC, was started by three members in 2012. All members of the firm have previous AML experience dealing with common problem areas associated with this project. Timothy T. White, P.E., has over five years of progressive AML experience. At a previous engagement, Mr. White was the Responsible Engineer in Charge for nine projects, which ranged from sealing and draining a single portal, to regrading over fourteen miles of dangerous highwalls. William G. White, P.E., has previous experience in dealing with AML problem areas at a previous employment. Lee Snyder, P.S., also has design experience in producing AML plans, as well as performing surveying duties on construction projects for AML.

While we are a new company, we have the experience to handle any problem areas created. We look forward to creating a working relationship with the DEP.

## **WEST VIRGINIA REGISTERED P.E.'S**

Currently, White Brothers Consulting, LLC, has two registered Professional Engineers on staff. Timothy T. White, P.E., has twenty years of experience, while William G. White, P.E., has over twenty-five years of experience. Both possess AML experience from previous engagements.



*White Brothers Consulting, LLC*

## **RELATIVE DESIGN EXPERIENCE**

White Brothers Consulting, LLC, has experience in all facets of problem areas associated with the AML program. Our experience ranges from sealing open and collapsed portals; draining portals that require design of conveyance; and regrading of both refuse piles and dangerous highwalls. We have gained valuable knowledge investigating and solving problem areas during previous employment engagements. We also have experience in developing a complete set of plans and construction documents.

## **AVAILABLE WV AML DESIGN TEAM**

All three members of our firm, in addition to CADD help from one employee, would be available to work on this project. Following is a list of those available:

- Timothy T. White, P.E., would be the Responsible Engineer in Charge, and would oversee the design, specifications and costs for the project.
- William G. White, P.E., would assist in the design.
- Lee Snyder, P.S., would oversee any additional surveying needed for the project, as well as provide design and CADD drafting.
- Paula White would perform any additional CADD drafting as needed.

# AML CONSULTANT QUALIFICATION QUESTIONNAIRE (CQQ)

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

|   |  |   |
|---|--|---|
| PROJECT NAME<br><b>DEP15584 West Columbia "B" Design</b>  | DATE (DAY, MONTH, YEAR)<br><b>January 1, 2012</b>  | FEIN<br><b>45-3976723</b>   |
| 1. FIRM NAME<br><b>White Brothers Consulting, LLC</b>   | 2. HOME OFFICE BUSINESS ADDRESS<br><b>109 West 33<sup>rd</sup> Street, Belle, WV 25015</b> | 3. FORMER FIRM NAME   |
| 4. HOME OFFICE TELEPHONE<br><b>(304)-561-4477</b>   | 5. ESTABLISHED (YEAR)<br><b>2011</b>   | 6. TYPE OWNERSHIP<br>Individual Corporation<br><input checked="" type="checkbox"/> Partnership <input type="checkbox"/> Joint-Venture |
| 7. PRESENT OFFICES: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/NO. PERSONNEL EACH OFFICE<br><b>109 West 33<sup>rd</sup> Street, Belle, WV 25015/304-561-4477/Timothy T. White, P.E./4</b> |  |   |

8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM  
**Timothy T. White, P.E., member/William G. White, P.E., member/Jeffery Lee Snyder, P.S., member**

9. PERSONNEL BY DISCIPLINE

| DISCIPLINE               | NO. PERSONNEL | OTHER PRINCIPALS     |
|--------------------------|---------------|----------------------|
| ADMINISTRATIVE           | 1             | STRUCTURAL ENGINEERS |
| ARCHITECTS               | 1             | <b>SURVEYORS</b>     |
| <b>BIOLOGIST</b>         | —             | —                    |
| <b>CADD OPERATORS</b>    | —             | TRAFFIC ENGINEERS    |
| CHEMICAL ENGINEERS       | —             | —                    |
| <b>CIVIL ENGINEERS</b>   | —             | OTHER                |
| CONSTRUCTION INSPECTORS  | —             | —                    |
| DESIGNERS                | —             | —                    |
| DRAFTSMEN                | —             | —                    |
| ECOLOGISTS               | —             | —                    |
| ECONOMISTS               | —             | —                    |
| ELECTRICAL ENGINEERS     | —             | —                    |
| ENVIRONMENTALISTS        | —             | —                    |
| ESTIMATORS               | —             | —                    |
| <b>GEOLOGISTS</b>        | —             | —                    |
| HISTORIANS               | —             | —                    |
| HYDROLOGISTS             | —             | —                    |
| LANDSCAPE ARCHITECTS     | —             | —                    |
| MECHANICAL ENGINEERS     | —             | —                    |
| <b>MINING ENGINEERS</b>  | —             | —                    |
| PHOTOGRAMMETRISTS        | —             | —                    |
| PLANNERS: URBAN/REGIONAL | —             | —                    |
| SANITARY ENGINEERS       | —             | —                    |
| SOILS ENGINEERS          | —             | —                    |
| SPECIFICATION WRITERS    | —             | —                    |
| TOTAL PERSONNEL          | 4             | 4                    |

**TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 2**  
**\*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?  YES  NO

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

|                   |            |   |
|-------------------|------------|---|
| NAME AND ADDRESS: |            | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: |            | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: |            | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE<br><input type="checkbox"/> Yes<br><input type="checkbox"/> No |

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

**YES** Description and Number of Projects: **10+ Projects for WVDEP/AML&R performed at previous engagements**  
**NO**

B. Is your firm experienced in Soil Analysis?  
Description and Number of Projects:  
**NO**

C. Is your firm experienced in hydrology and hydraulics?  
**YES** Description and Number of Projects: **10+ 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 can provide additional survey and mapping as required on projects.**

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:  
**NO**

F. Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?  
**YES** Description and Number of Projects:  
**NO**



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

|  |  |  |  |
|--|--|--|--|
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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<br/>Engineer, Member</b> | YEARS OF AML DESIGN EXPERIENCE:<br><b>5</b> | YEARS OF EXPERIENCE<br>YEARS OF AML RELATED DESIGN<br>EXPERIENCE: <b>16</b> | YEARS OF DOMESTIC<br>WATERLINE DESIGN<br>EXPERIENCE: <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; P.E., 2010, DC.**

1. 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, 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> |
|  | YEARS OF EXPERIENCE                         |  |  |

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>Snyder, Jeffery Lee., P.S.<br/>Professional Surveyor</b> | YEARS OF AML DESIGN EXPERIENCE:<br><b>2</b> | YEARS OF AML RELATED DESIGN EXPERIENCE:<br><b>2</b> | YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:<br><b>0</b> |
|  | YEARS OF EXPERIENCE                         |   |  |

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, as well as CADD design.**

EDUCATION (Degree, Year, Specialization)

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

REGISTRATION (Type, Year, State)

**P.S. 2011, WV**

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

Software

AutoCAD Civil 3D 2012

Microstation V8i

Surveying Equipment

Trimble 4700 modular, RTK Global Positioning Total Station  
SMI Data Collectors (1)

Printing/Plotting/Reproduction

HP DesignJet 800 Plotter (1)

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 |
|--|--|-----------------------------|------------------|
| Temporary Shoring Design<br>AEP Bridge over Guyandotte River<br>Logan County, West Virginia  | USACOE<br>Huntington, WV                 | \$20,000                    | 5%               |
| Bridge Demolition Plans<br>AEP Bridge over Guyandotte River<br>Logan County, West Virginia   | USACOE<br>Huntington, WV                 | \$50,000                    | 5%               |
| New Subdivision-Plat, Roadway,<br>Utilities<br>South Hills area<br>Charleston, West Virginia | Private Developer/Confidential<br>Client | \$350,000                   | 5%               |
|  |  |                             |                  |
|  |  |                             |                  |
|  |  |                             |                  |
|  |  |                             |                  |

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                              |
|---------------------------------|---------------------------|-----------------------------|---|
|                                 |                           |                             |   |
|                                 |                           |                             |   |
|                                 |                           |                             |   |
|                                 |                           |                             |   |
|                                 |                           |                             |   |
|                                 |                           |                             |   |
|                                 |                           |                             |   |
| TOTAL NUMBER OF PROJECTS: 3     |                           |                             | TOTAL ESTIMATED CONSTRUCTION COSTS: \$420,000 |

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 |
| New West Side Elementary School Site Surveying Charleston, WV | Surveying Layout               | Kanawha County Schools Charleston, WV | 2013                      | \$6,500,000                 | \$250,000                 |
|   |                                |                                       |                           |                             |                           |
|   |                                |                                       |                           |                             |                           |
|   |                                |                                       |                           |                             |                           |
|   |                                |                                       |                           |                             |                           |
|   |                                |                                       |                           |                             |                           |
|   |                                |                                       |                           |                             |                           |

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) |
|---------------------------------|---------------------------|-----------------------------|------|-------------------------|
|                                 |                           |                             |      |                         |
|                                 |                           |                             |      |                         |
|                                 |                           |                             |      |                         |
|                                 |                           |                             |      |                         |
|                                 |                           |                             |      |                         |
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|                                 |                           |                             |      |                         |
|                                 |                           |                             |      |                         |
|                                 |                           |                             |      |                         |

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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 |
|---------------------------------|---------------------------|--|------|-------------------------|----------------------|
|                                 |                           |  |      |                         |                      |
|                                 |                           |  |      |                         |                      |
|                                 |                           |  |      |                         |                      |
|                                 |                           |  |      |                         |                      |
|                                 |                           |  |      |                         |                      |

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.

**White Brothers Consulting, LLC, is a new engineering and surveying company based in West Virginia. The members of our firm were responsible for AML work that was completed at our previous engagement, and it is with this previous experience, as well as the prior years of our careers, that we are fully capable to perform work for the WYDEP-AML. We look forward to a successful company and successful relationship with the AML program.**

20. The foregoing is a statement of facts.

Date: **March 1, 2012**



Signature: \_\_\_\_\_ Title: **Member**

Printed Name: **Timothy T. White, P.E.**

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



# AML AND RELATED PROJECT EXPERIENCE MATRIX

## West Columbia "B" Design DEP15584

| PROJECT NAME                 | Exp. Basis<br>C=Corp.<br>P=Personal * | Additional<br>Info<br>Provided in<br>Section (g)<br>** | PROJECT EXPERIENCE                    |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    | PRIMARY STAFF PARTICIPATION/CAPACITY<br>M=Management, P=Professional *** |                 |                  |                  |             |  |  |  |  |   |  |
|------------------------------|---------------------------------------|--|---------------------------------------|------------------------------------|-----------------------|--------------------------------------|---------------------|-------------------------------|--|-----------------------------|------------------------|--|---------------------------------------|-----------------|--------------------------------|--------------------|--|-----------------|------------------|------------------|-------------|--|--|--|--|---|--|
|                              |                                       |  | Abandoned Surface Mine<br>Reclamation | Abandoned Deep Mine<br>Reclamation | Portals/Shaft Closure | Hydrologic/Hydraulic<br>Design/Eval. | Remining Evaluation | Mine/Refuse Fire<br>Abatement | Subsidence Investigation<br>Mitigation | Hazardous Waste<br>Disposal | Project Specifications | Water Quality<br>Evaluation/Mitigation/<br>Replacement | Construction<br>Inspection/Management | Water Treatment | Equipment/Structure<br>Removal | Stream Restoration | Geotechnical/Stability   | Tim White, P.E. | Bill White, P.E. | Lee Snyder, P.S. | Paula White |  |  |  |  |   |  |
| Roaring Creek #4             | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               |  | X                           |                        |  |                                       |                 |                                |                    |  |                 | X                | M/P              |             |  |  |  |  |   |  |
| Morgan Run FA #2             | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Drews Creek "A" Highwall     | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Venus (Hamilton, R) Drainage | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Sarah Ann (Vance) Drainage   | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Garden Ground Highwalls      | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Harris Branch Refuse Pile    | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  | P |  |
| Kingwood Rt. 7 Highwall      | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Shabbyroom Hollow Complex    | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
| Robinette Branch Refuse Pile | P                                     | yes  | X                                     |                                    |                       |                                      |                     |                               | X                                      |                             |                        | X  |                                       |                 |                                |                    |  |                 |                  |                  | M/P         |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |
|                              |                                       |  |                                       |                                    |                       |                                      |                     |                               |  |                             |                        |  |                                       |                 |                                |                    |  |                 |                  |                  |             |  |  |  |  |   |  |

\* List whether project experience is corporate or personal 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.

## ADDITIONAL PROJECT EXPERIENCE INFORMATION

Professional experience was gained by all three members of our firm by past employment by others. Timothy T. White, P.E., was the responsible engineer in charge of all design for the nine projects listed on the experience matrix. Highlights of each project include:

- Morgan Run – project problem areas ranged from sealing over 20 portals and providing bat gates, as well as drainage conveyance.
- Roaring Creek – project consisted of regrading over 60 acres of scattered refuse, along with drainage conveyance.
- Drews Creek Highwall – project consisted of a large slide, as well as sealing open and collapsed portals along with drainage conveyance.
- Venus Drainage – project consisted of one draining portal and conveyance of said drainage via a grouted riprap channel.
- Sarah Ann – project consisted of a slide, along with draining portals across a large site and remedied with channels to convey drainage.
- Garden Ground Highwalls – project consisted of regrading over 14 miles of dangerous highwall, along with sealing and installing bat gates where needed to over 100 portals.
- Harris Branch Refuse – project consisted of one small refuse pile that was regraded and drained.
- Kingwood Highwalls – project consisted of regrading one dangerous highwall, two refuse pile regrades and sealing of three portals.
- Shabbyroom Hollow – project consisted of two refuse piles eroding into a creek, and sealing of open and collapsed portals, along with drainage conveyance.
- Robinette Branch Refuse – project consisted of one large refuse pile eroding into a creek, along with drainage conveyance and realigning the existing creek in certain areas.

Along with this experience, Bill White, P.E., has previous AML experience while employed with Ackenheil and Associates in the late 1980's. Lee Snyder, P.S., and Paula White both were a part of the Garden Ground Highwalls project, from designing profiles for drainage channels to general CADD duties.