

Statement of Qualifications

For The

West Virginia Department of Environmental Protection

Greystone Mine Drainage Project Engineering Services

QUALIFICATIONS



- Surveying Services
- Geotechnical Engineering Services
- Remediation Site Design Services
- Final Documents Preparation and Cost Estimating Services
- Site Observation Services



Prepared by:



Jack A. Hamilton and Associates, Inc.
342 High Street
Flushing, Ohio 43977

RECEIVED

2001 NOV -4 A 10: 04

PURCHASING DIVISION
STATE OF WV

342 High St., Box 471
Flushing, OH 43977
Ph: (740) 968-4947
Fax: (740) 968-4225
e-mail: hamilton@1st.net
www.hamiltonandassoc.com



Civil Engineering
Land Surveying
Mine Permitting
GIS Data Services
Land Development
Global Positioning Systems

November 2, 2009

Mr. Chuck Bowman, Buyer Supervisor
Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

RE: Request for Engineering Qualifications
**AML – Greystone Mine Drainage Design
Engineering Services
Req #: DEP14801**

Dear Mr. Bowman:

Please find enclosed, in duplicate, our Statement of Qualifications package for the above referenced project. We propose to utilize **William J. Siplivy, P.E., Inc.** as a sub-consultant for this project. We have worked with this firm on past projects with excellent results. Mr. Siplivy is a Registered Mining Engineer as well as a practicing Geologist/Hydrologist. We have worked on numerous projects together with Mr. Siplivy involving hydrologic investigations, deep mine investigations, evaluating subsidence potential as well as slope stability issues. If required, our firm and Mr. Siplivy have access to drilling companies we have utilized in the past for drilling purposes on this project.

I visited the site on October 31, 2009 to review the drainage issues and familiarize myself with the scope of the project. I had the opportunity to speak with Mr. & Mrs. Segal to review their concerns and observations.

Jack A. Hamilton & Associates, Inc. has provided engineering and surveying services to its clients for 30 years and with a staff of 30, is the largest engineering and surveying company located in southeast Ohio. Our office is located in the heart of the mining area of Ohio. Approximately ninety percent of our work is associated with surface and deep mining companies and the preparation of regulatory permits in West Virginia, Ohio and Pennsylvania. This experience in preparation of the regulatory permits overlap and are similar to the technical requirements of the AML programs. Our continued growth has been primarily due to the increase of satisfied return clients and additional new clients. This has enabled Jack A. Hamilton and Associates, Inc. to make additions to our staff and expand our range of services to better serve our clients. Our objective has always been to provide a quality product, completed in a timely manner and within our clients' budget. Our professional services currently include the following:

- Municipal Water/Wastewater Engineering Services
- Regulatory Permitting Services
- Construction Inspection Services
- Construction Management Services
- Land Development Design Services
- Transportation Services

WVDEP, AML-Greystone Mine Drainage Design

Mr. Chuck Bowman

November 2, 2009

- Coal Mining Permitting Services
- Surveying Services
- Construction Estimating Services
- GIS Services

During the years from 2001 to 2007, Jack A Hamilton & Associates, Inc. provided design/surveying services for the completion of numerous AML projects for ODNR. These have included both the "Bond Forfeiture Projects Contract" and the "AML Projects Contract" for two consecutive contract terms for each contract for the period from 2001-2005. During this period of time, we successfully completed 14 projects under the Bond Forfeiture Contract and 17 projects under the AML Projects for the Division.

During the most recent contract for ODNR- AML Bond Forfeiture which ended June 30, 2007, we had successfully completed 25 Engineering projects for the Division. In addition, our survey division has completed approximately 10 surveying projects to date which include tying into existing survey control and establishing new survey control points. In addition, these assignments also include the preparation of topographic maps as well as the preparation of property descriptions and survey plats/maps. We have also been recently selected again by ODNR – AML Section in Ohio for two AML, two year contracts. One is the AML Bond Forfeiture Program and the second is for AML Public Health & Safety Program. These projects include preparation of grading plans for the AML sites as well as design of mine seals, channel/stream reconstruction design, addressing Acid Mine Drainage and other associated mining issues. Our firm also has experience in preparation of bidding and contract documents including specifications.

The AML projects are always given high priority when received. These projects have been completed within the time frames and budgets allocated by the Division. We will continue this practice with all WVDEP projects. The construction cost estimates we have prepared for the projects have been accurate and the projects have been completed in general conformance with our plans with minimal change orders. We utilize the latest hardware and software in completing the projects in a cost effective and efficient manner. The final plans are of such quality that the ODNR requested personnel from our firm to conduct a seminar for the Division on CAD methods in developing construction grading plans. We would like to demonstrate our engineering expertise on the Greystone Mine Drainage Project for the WVDEP.

Thank you for the opportunity to present our qualifications to WVDEP.

Sincerely,

Jack A. Hamilton & Associates, Inc.



Michael S. Kearns, P.E., M.S.
Vice-President of Engineering

Enclosures

**Statement of Qualifications
For The
West Virginia Department of Environmental
Protection
Abandoned Mine Lands (AML)
Greystone Mine Drainage Design
Engineering Services**

Table of Contents

Jack A. Hamilton & Assoc., Inc. Abandon Mine Lands Engineering Expertise

Corporate Overview *Section 1*

Qualifications/Scope of Services *Section 2*

AML Consultant Qualification Questionnaire..... *Section 3*
Attachments "B" & Attachment "C"

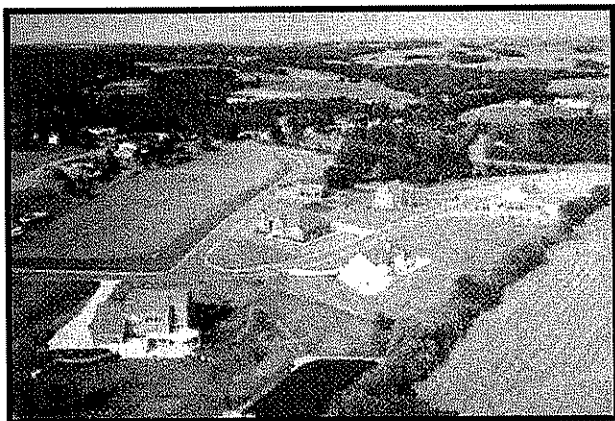
Employees..... *Section 4*

Office & Equipment..... *Section 5*



Jack A. Hamilton & Associates, Inc.

Corporate Overview



Jack A. Hamilton & Assoc., Inc., Consulting Engineers and Surveyors, is a multi-disciplined firm which has been providing services to our clients for over 30 years in Ohio, West Virginia, Pennsylvania and Kentucky. Our staff of 30 qualified and experienced professionals includes: engineers, surveyors, designers, specification writers, project managers, and inspectors. Complimenting this group are drafters, CADD operators, clerical personnel, accountants and other support staff. We use the latest state-of-the-art engineering design and surveying software and hardware including PC-based systems using AutoCad 2009 software packages, SurvCADD, SedCad, StormCad, WaterCad, GSTABLE7 Stability Analysis Program and Global Positioning Systems (GPS) surveying equipment and associated surveying software. We also provide Geographic Information System (GIS) services for our clients.

Background

Hamilton Surveying was founded by Jack A. Hamilton in 1978. It began as a two-person firm primarily providing surveying and coal permitting services for its clients.

On January 1, 1992, the firm was reorganized and the name was changed to Jack A. Hamilton & Associates, Inc., Consulting Engineers and Surveyors. The new name more accurately reflected the broad range of services it then provided. These services naturally developed from an ever increasing range of surveying and engineering activities.

To The Future

Continued growth has been primarily due to the increase of satisfied return clients and additional new clients. We currently have four divisions within the company to accommodate your needs:

- Engineering Division
- Survey Division
- Mapping Division
- Coal Division

Due to our clients' needs, we have recently made additions to our staff and have expanded our range of services in the Engineering Division to better serve our clients, businesses, and communities such as yours.

These expanded services include the following:

- Municipal Water/Wastewater Engineering Services
- Regulatory Permitting Services
- Transportation Engineering
- Land Development Design
- Construction Management
- Construction Inspection



Engineering Division

Jack A. Hamilton & Assoc., Inc., Consulting Engineers and Surveyors, has the personnel, experience and expertise to develop your engineering project from conceptual to the final construction phase. We will investigate, evaluate, design and monitor the construction of your very important project by utilizing the full range of services available in-house. By partnering with our clients we are able to work together in developing and completing a project to their satisfaction meeting both their budgets and schedules.



Our Services Include:

Municipal Engineering

- Loan/Grant Acquisition Assistance
- Sanitary System Studies & Design
- Storm System Studies & Design
- Waterline System Studies and Design
- Water Storage Tank Design
- Pump Station Design
- Bidding Services
- Construction Project Management
- Resident Project Representation
- Utility Design
- Regulatory Permitting Services

Transportation Engineering

- Highway/Roadway Design
- R/W Plan Development
- ODOT Prequalified

Development Design

- Land Use Development Studies
- Commercial Development Design
- Residential Development Design
- Construction/Demolition Debris Permitting

Water Resources Services

- Wetland Design and Development
- Stream Mitigation & Restoration
- Section 401& 404 Permitting

Miscellaneous Services

- Construction Estimating
- Design EPA Spill Containment Structures
- Design of Controlled Earth Fills
- Fly Ash Disposal Design & Permitting

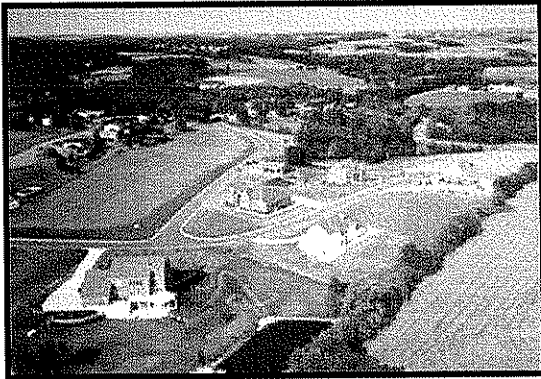
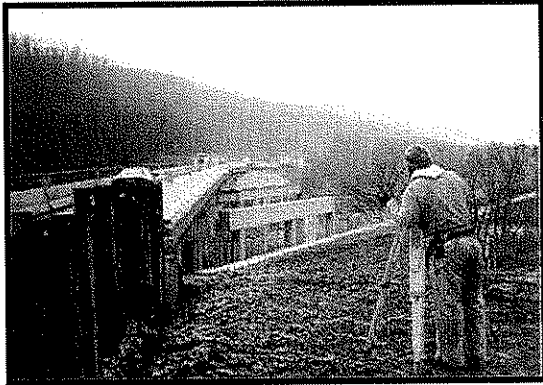
Registrations

- Ohio
- Maryland
- Pennsylvania
- West Virginia



Surveying Division

Our staff includes seven registered surveyors capable and qualified to provide any surveying services our clients may need. We utilize state of the art equipment including dual frequency real-time kinematic (RTK) and static GPS receivers as well as total stations and data collectors. We normally field three 2-person survey parties, but are able to provide up to seven crews as needed. Our highly qualified staff enables us to shift personnel on a moment's notice to meet our client's requirements.



Boundary Surveys

- ALTA/ACSM Surveys
- Cellular Tower Surveys
- Property Surveys
- Subdivision Development & Platting

Construction Surveying

- Bridge Stakeout
- Construction Stakeout
- Creation of DTM/TIN for Client Utilization
- Earthwork Volume Calculations

GPS Surveying

- Aerial Mapping/Photography Control
- Geodetic Control
- RTK Locations and Stakeout

Mining Surveys

- Coal Stockpile Surveys
- Surface Mine Surveying
- Underground Mine Surveying
- Volume Computation

Miscellaneous Services

- Expert Witness Testimony
- Hydrographic Surveys
- Landfill and C & DD Surveys
- Topographic Surveys

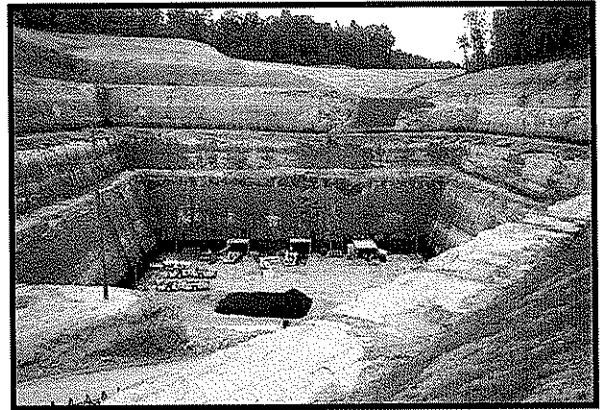
Registrations

- Kentucky
- Ohio
- Pennsylvania
- West Virginia



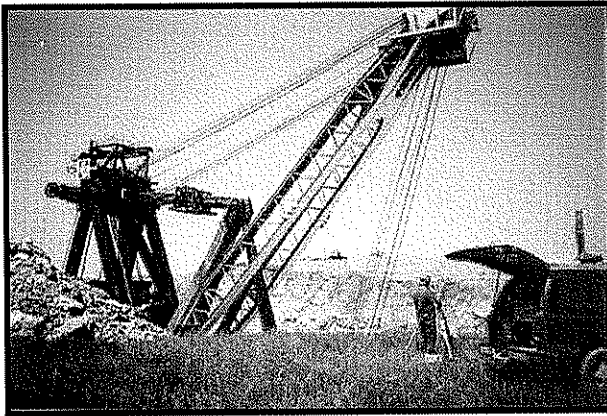
Coal Division

Since our firm was founded in 1978, we have been providing services to our surface and underground coal clients in several states. We have provided expert witness testimony in several court cases involving coal appropriation by the State of Ohio. We have personnel experienced in the preparation of complete mining applications and can provide construction staking and certification after permit issuance. Our staff is very knowledgeable of mining regulations promulgated under SMCRA. We have prepared hundreds of mining permits including necessary follow-up work including: blasting notices, Annual & Final maps, permit renewals, Permit Revisions (ARP's) and Incidental Boundary Revisions (IBR's). We are also qualified to inspect MSHA impoundments and provide engineering certifications for as-built structures.



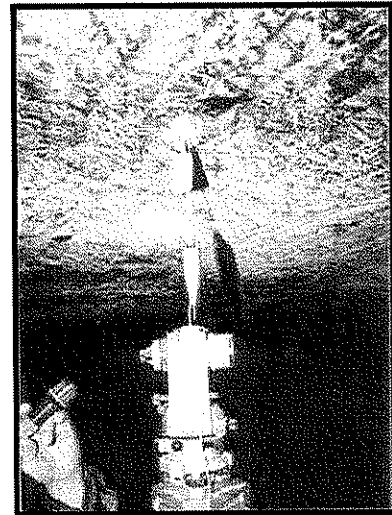
Mining Services, Cont'd

- Mining Permit Preparation
- Mining Plans
- Preparation of Reclamation Plans
- Stream Reconstruction Plans
- Valley Fill Design
- Underground Mine Permitting



Mining Services

- Coal Inventory Reports
- Coal Reserve Reports
- Coal Waste Disposal Permitting
- Drainage Control Design
- Haul Road Design
- Industrial Minerals Permitting

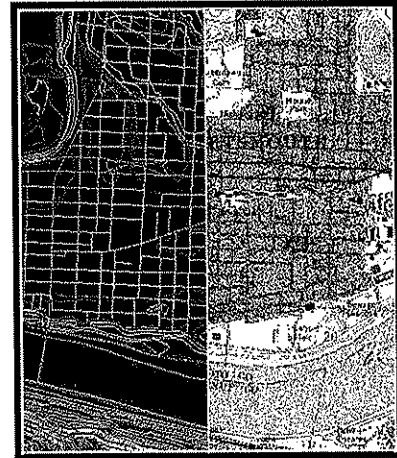


GIS/Mapping Division

Geographic Information Systems (GIS)

A Geographic Information System (GIS) is a logical solution for a business or entity that deals with many areas of interest spread across a specific geographic area. GIS adds intelligence to map data by linking relevant information contained in a database to the features of the map. This linking of information allows a map feature to understand where it is, what it is, and what its relationship is to different features around it. The user of the GIS is able to quickly perform a variety of analytical tasks based on the relationship of the map features and the information linked to these features. A GIS is a powerful tool that can display maps and information over a large geographic region or zoom in on a small, detailed site, but it is also flexible because the information that is entered into the database is of the client's own choosing.

At Jack A. Hamilton and Associates, Inc., we have been acquiring data and making maps for over 25 years. With the addition of GIS and Database software and a properly trained staff, we are poised to provide GIS services ranging from data acquisition and input through delivery of a final product. We have an ever growing collection of in-house data that we can quickly incorporate into a GIS and we are skilled and knowledgeable in obtaining data from local, state and federal government sources, which can be seamlessly incorporated into a GIS project. The creation and implementation of a GIS is often a dynamic process. Our experience with prior GIS projects has given us the ability to work closely with our clients and to adapt to different needs and requests as the project progresses. This close and open relationship with our clients helps to ensure that they are getting the product that they desire.



GIS & CAD Services

- Computer Aided Drafting Services
- Customized Map Creation
- Large Format Color Scanning/Plotting
- Raster/Vector Conversion
- Raster/Vector Overlays
- Data Conversion (Hardcopy & Digital)
- Georeferencing
- GIS Updates and Maintenance
- GPS Control Networks
- GPS and Conventional Data Collection
- Image/Map Tiling & Edge Matching

Data Sets

- Digital Raster Graphic USGS Quadrangle Images
- Digital Line Graphics USGS Quadrangle Line Data
- Digital Ortho Quarter Quad Orthorectified
- Aerial Photographs – As available per Local, State or Federal Entity
- Select Data: Oil & Gas Wells, Tiger Census Data, Underground Mine Limits, Wetlands



STATEMENT OF QUALIFICATIONS & GENERAL SCOPE OF SERVICES

GENERAL

The West Virginia Purchasing Division, for the Agency, the West Virginia Department of Environmental Protection, has requested Engineering Qualifications for Professional Engineering Design Services and Construction Monitoring Services at the Greystone Mine Drainage Project in Monongalia County, West Virginia.

The proposed services to be provided to WVDEP by Jack A. Hamilton & Associates, Inc. shall include the preparation of plans and specifications for the following:

- Design an access road to the site;
- Design an underdrain between the highwall and houses to collect AMD seeping into the yards of the homes below the highwall;
- Design a conveyance pipe and manholes to carry water from the underdrain safely past the houses affected by AMD;
- Design two (2) wet mine seals;
- Preparation of a regrading and vegetation plan for the affected areas.

Jack A. Hamilton & Associates, Inc., not only has a history of providing the above services for similar AML contracts in the past with previous clients but has provided similar services for our coal mining clients on a daily basis since 1978.

AML EXPERIENCE AND QUALIFICATIONS

During the years from 2001 to 2007, Jack A Hamilton & Associates, Inc. provided design and surveying services for the completion of numerous AML projects for ODNR. These have included both the “**Bond Forfeiture Projects Contract**” and the “**AML Projects Contract**” for two consecutive contract terms for each contract for the period from 2001-2005. During this period of time we successfully completed **14 projects** under the Bond Forfeiture Contract and **17 projects** under the AML Projects for the Division.

During the most recent contract with ODNR- AML Bond Forfeiture contract which ended June 30, 2007 we had successfully completed **25 projects** for the Division. We have also been recently selected again by ODNR – AML Section in Ohio for two AML, two year contracts. One is the AML Bond Forfeiture Program and the second is for AML Public Health & Safety Program. These projects include preparation of grading plans for the AML sites as well as design of mine seals, channel/stream reconstruction design, addressing Acid Mine Drainage and other associated mining issues. Our firm also has experience in preparation of bidding and contract documents including specifications.



The AML projects are always given high priority when received. These projects have been completed within the time frames and budgets allocated by the Division during our previous contracts. We plan on continuing this practice with the WVDEP AML projects. The construction cost estimates we have prepared for the projects have been accurate and the projects have been completed in accordance with our plans. We utilize the latest hardware and software in completing the projects in a cost effective and efficient manner. The final plans are of such quality that the Division requested personnel from our firm to conduct a seminar for the Division on CAD methods in developing construction grading plans. We have worked well with the personnel of the Division in attaining the goals of the various projects. We would like to demonstrate our engineering expertise with WVDEP if selected.

FIELD SURVEY

The following presents tasks (if required) related to the survey work to be completed for this project. **All field surveying will be performed by Jack A. Hamilton & Assoc., Inc. in-house survey crews.**

Field surveys and site investigations may be necessary to prepare the plans and specifications required for these projects. The state plane coordinate system will be utilized as the coordinate basis of these projects. All field survey work necessary for establishing traverses and bench circuits will be recorded in field books and/or digital data collectors. In addition, our firm utilizes GPS on a daily basis and this technology will also be utilized for this project.

Adequate horizontal and vertical controls for the development of the construction drawings will be established. Control points for mapping, construction staking (if required), and establishment of benchmarks will be provided.

Field survey information for topography, location of culverts, drainways, property lines, location, size, depth, material and condition of drainage and sanitary sewers, and the location, size and depth of all other utilities will be obtained. Field surveys will be completed as necessary to obtain as-built State Plane Coordinates for all structures (if required).

GEOTECHNICAL INVESTIGATION (IF REQUIRED)

Jack A. Hamilton & Assoc., Inc. will develop and submit to WVDEP a detailed plan, outlining the geotechnical investigations required. **All drilling and geotechnical services will be provided by Jack A. Hamilton & Associates' sub consultants, William J Siplivy, P.E., Inc.** Subsurface Investigation will be utilized on an as needed basis as determined by our firm and corroboration with WVDEP. Our firm has worked on a number of projects with this firm with excellent results.

Upon authorization to proceed, we will locate soil borings or test pits required for the project.

The following information will be provided in the Geotechnical Report as required:

- Geological Setting;
- Geological features of engineering and construction significance;
- Hydrologic and Geologic determinations;
- Man-made features of engineering and construction significance;



- Determination of required soil test required such as Proctor tests, Tri-axial Shear Tests, Gradation Analysis;
- Description of subsurface conditions, soil boring logs, test data, analysis;
- Slope Stability Analysis will be performed utilizing the information from the soil laboratory tests and the GSTABLE7 with STEDwin stability analysis software (if required);
- Anticipated ground behavior consistent with the construction methods likely to be used by the contractor;
- A report summarizing the findings and test results with recommendation will be provided to WVDEP.

DRAWINGS AND SPECIFICATIONS

The following tasks will be completed to develop construction documents:

- Our firm will provide all field surveys, soil investigations and other supplemental services for the development of the Construction Contract Drawings and specifications.
- All topography and planimetric features such as, diversion ditches, utilities, property lines, fence lines, and existing structures will be shown on the Drawings.
- All public and private utilities located within the PROJECT limits, in plan and profile view will be depicted. The Drawings will show all horizontal and vertical alignments of the improvements with dimensions to critical clearance points, property lines, and other design constraints.
- We will identify and incorporate special construction items and details affecting the construction procedures and construction costs.
- Pay items for the work will be established and defined in the Construction Bid Documents in accordance with the WVDEP Standards.
- An itemized estimate of the cost of construction for the PROJECT, an estimated time for the contractors' work and the specifications will be prepared. In addition, submittals to other regulatory agencies will be made at this time (if required).

SUPPLEMENTAL SERVICES

Jack A. Hamilton & Assoc., Inc. will advise WVDEP as to the necessity of their providing or obtaining from others supplemental services or data needed for the development of the project, which were not included in the original scope of services.

Supplemental services outside of the original scope of services may be contracted for directly by WVDEP or subcontracted by our firm. Supplemental services that may be required include, but are not limited to, archaeological surveys, and special field or laboratory tests not associated with the geotechnical investigation. If we elect to utilize additional subcontract services, WVDEP may review, for approval, the sub-agreement and subcontractor.



PERMIT APPLICATION SUBMITTALS

It is anticipated that permits and approvals may be required from the following agencies:

- WVDEP – Notice of Intent (NOI)
- WVDEP – SWP3 Plan Preparation

All required drawings, specifications, applications, forms, calculations, and additional information will be submitted to the above regulatory agencies in order to attain the approval of the specific permits. All fees, approval fees, application fees, etc. associated with the submittal and/or approval of the above applications will be the responsibility of WVDEP.

Jack A. Hamilton & Associates, Inc. staff is experienced and knowledgeable in the preparation and acquisition of necessary permits from these agencies.

OTHER PERMITS AND EVALUATIONS

Jack A. Hamilton & Associates, Inc. will investigate the need for and prepare applications for any other permits required for construction of this project, including Local Storm Water Pollution Prevention Plans, and Traffic Maintenance Plans, etc.

RESIDENT & GENERAL OBSERVATION SERVICES

Jack A. Hamilton & Associates, Inc. can provide resident and general observation services for this project. Resident Observations services would be performed by a qualified individual from our firm, experienced in quality control and inspection services. If requested by WVDEP, the individual would perform daily on site inspections during the length of the project and complete daily reports, review pay requests and keep WVDEP up to date as far as progress on the project.

General Observation Services would be provided by Michael S. Kearns, P.E. These services would consist of a weekly (or as determined by WVDEP) visit to the site to observe progress and address issues which arise during construction.

OVERALL PROJECT MANAGEMENT

Overall Project Management of this project will be provided by Jack A. Hamilton & Associates, with **Michael S. Kearns, P.E., Vice President of Engineering** and serving as Project Manager. Mr. Kearns will be the primary contact with WVDEP throughout the duration of the Project. Our Project Manager will be responsible for communicating WVDEP's needs and requirements to all members of the Project Team. Mr. Kearns has in excess of twenty five years of experience in providing environmental engineering and permitting services to the coal industry as well as the completion of AML projects.

Mr. Luyster has extensive experience (in excess of 30 AML projects) in coordinating and completing AML projects. We feel our commitment to technical expertise and our professional staff will ensure successful and cost-effective projects for WVDEP.



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

AML CONSULTANT QUALIFICATION QUESTIONNAIRE

Attachment "B"

PROJECT NAME Greystone Mining Drainage Design		DATE (DAY, MONTH, YEAR) November 3, 2009		FEIN			
1. FIRM NAME Jack A. Hamilton & Associates, Inc.		2. HOME OFFICE BUSINESS ADDRESS 342 High Street, Flushing, Ohio 43977		3. FORMER FIRM NAME N/A			
4. HOME OFFICE TELEPHONE 740-968-4947		5. ESTABLISHED (YEAR) 1978		6. TYPE OWNERSHIP Individual Corporation X Partnership Joint-Venture YES NO X			
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE Jack A. Hamilton & Associates, Inc. 740-968-4947 / Paul R. Hamilton, P.S., CEO / 6 (only one office) Flushing, Ohio 43977		8a. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS Cathy M. Bihlman, P.S., President 740-968-4947					
9. PERSONNEL BY DISCIPLINE							
4	ADMINISTRATIVE	—	ECOLOGISTS	—	LANDSCAPE ARCHITECTS	—	STRUCTURAL ENGINEERS
—	ARCHITECTS	—	ECONOMISTS	—	MECHANICAL ENGINEERS	3	SURVEYORS
—	BIOLOGIST	—	ELECTRICAL ENGINEERS	—	MINING ENGINEERS	—	TRAFFIC ENGINEERS
4	CADD OPERATORS	—	ENVIRONMENTALISTS	—	PHOTOGRAMMETRISTS	—	OTHER
—	CHEMICAL ENGINEERS	—	ESTIMATORS	—	PLANNERS: URBAN/REGIONAL	3	Survey Party Chiefs
2	CIVIL ENGINEERS	—	GEOLOGISTS	—	SANITARY ENGINEERS	3	Survey Crew Members
2	CONSTRUCTION INSPECTORS	—	HISTORIANS	—	SOILS ENGINEERS	2	Technicians
3	DESIGNERS	—	HYDROLOGISTS	—	SPECIFICATION	—	TOTAL PERSONNEL
4	DRAFTSMEN	—		—	WRITERS	30	TOTAL PERSONNEL
TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEERS IN PRIMARY OFFICE: 2							
*REEs other than Civil and Mining must provide supporting documentation that qualifies them to supervise and perform this type of work.							
80% of our work is mine permitting associated (surface & deep) which involves all aspects of mine permitting, addressing drainage and sediment control, hydrology and hydro-geological aspects, geology, evaluating the potential for acid mine drainage, prep plant & mine shaft site design.							
10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A							

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

NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
William J. Siplivy, P.E., Inc. 4667 Turnberry Trail Stow, Ohio 44224-2179	Geotechnical Engineer Mining Engineer Hydro-Geologist	X Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE
NAME AND ADDRESS:	SPECIALTY:	Yes No WORKED WITH BEFORE

12. A. Are your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?

X YES Description and Number of Projects: 56+ AML projects to date under the ODNR-AML program as a selected consultant.

NO

B. Are your firm's personnel experienced in Soil Analysis?

X YES Description and Number of Projects: 500+ projects under the ODNR-AML program as well as analyses associated with mine permitting in WV, OH and PA.

NO

C. Are your firm's personnel experienced in hydrology and hydraulics?

X YES Description and Number of Projects: 500+ projects under the ODNR-AML program as well as analyses associated with mine permitting in WV, OH and PA.

NO

D. Does your firm produce its own Aerial Photography and Develop Contour Mapping? 200+ Projects

X YES Description and Number of Projects: Aerial photography-No However, we can develop contour mapping utilizing survey data from our in house survey crew.

NO

E. Are your firm's personnel experienced in domestic waterline design? (Include any experience in evaluation of aquifer degradation as a result of mining.)

X YES Description and Number of Projects: 250+ Waterline designs associated with various site and municipal designs. Evaluation of impact to domestic aquifer's is a part of the PHC associated with coal mine permitting.

NO

F. Are your firm's personnel experienced in Acid Mine Drainage Evaluation and Abatement Design?

X YES Description and Number of Projects: 500+ under the ODNR-AML program as well as evaluation and abatement associated with mine permitting in OH, WV and PA.

NO

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

NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Kearns, Michael S. V.P. of Engineering		YEARS OF AML DESIGN EXPERIENCE: 12 Years	YEARS OF AML RELATED DESIGN EXPERIENCE: 12 Years
		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 30	

Brief Explanation of Responsibilities
 Project manager and "Engineer in Charge" of numerous AML and mine associated project. Responsible for design, project coordination, and quality control of final product to client.

EDUCATION (Degree, Year, Specialization)
 BSCE - 1977, Civil Engineering
 MSCE - 1982, Masters Degree in Civil Engineering, Soils Engineering

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
 ASCE
 REGISTRATION (Type, Year, State)
 Professional Engineer (Civil) 1981 - WV
 1982 - OH 1992 - PA
 Registered Professional Surveyor - 1985

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

NAME & TITLE (Last, First, Middle Int.)		YEARS OF EXPERIENCE	
Luyster, Ray L. Vice President		YEARS OF AML DESIGN EXPERIENCE: 10 Years	YEARS OF AML RELATED DESIGN EXPERIENCE: 10 Years
		YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 10 Years	

Brief Explanation of Responsibilities
 Design of AML projects which includes developing conceptual plan, final plan development, channel/stream designs, sediment control/drainage control designs, preparation of mine seals, preparation of grading plans with volume calculations utilizing AutoCad and 3rd party software.

EDUCATION (Degree, Year, Specialization)
 A.A.S. Civil Engineering Technology - 1991

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS
 N/A
 REGISTRATION (Type, Year, State)
 N/A

<p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>		<p>YEARS OF AML DESIGN EXPERIENCE: 0</p>	<p>YEARS OF AML RELATED DESIGN EXPERIENCE: 10</p>	<p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 0</p>
<p>NAME & TITLE (Last, First, Middle Int.)</p> <p>Hamilton, Paul R., CEO</p>		<p>YEARS OF EXPERIENCE</p>		
<p>Brief Explanation of Responsibilities</p> <p>Primarily responsible for coordinating surveying efforts on the AML project including surveying and mapping of surface and deep mine projects. Experience in boundary, topographic, ALTA/ACSM surface mine surveys, crew supervision, office reduction and calculations, contour generation and drawing prep.</p>				
<p>EDUCATION (Degree, Year, Specialization)</p> <p>B.S.-Ohio University / 1977 / Cartography</p> <p>B.S.-University of Akron / 2000 / Surveying and Mapping</p>				
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</p> <p>Professional Land Surveyors of Ohio</p>				
<p>13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials)</p>		<p>YEARS OF AML DESIGN EXPERIENCE:</p>	<p>YEARS OF AML RELATED DESIGN EXPERIENCE:</p>	<p>YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE:</p>
<p>NAME & TITLE (Last, First, Middle Int.)</p>		<p>YEARS OF EXPERIENCE</p>		
<p>Brief Explanation of Responsibilities</p>				
<p>EDUCATION (Degree, Year, Specialization)</p>				
<p>MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS</p> <p>REGISTRATION (Type, Year, State)</p>				

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

See Attached Sheet

5/4

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
		NO AML PROJECTS AT THIS TIME. WE HAVE RECENTLY BEEN SELECTED FOR A TWO YEAR CONTRACT BY		
		ODNR-AML/ BOND FORFEITURE PROGRAM AND THE ODNR-AML/PUBLIC HEALTH & SAFETY PROGRAM (2 CONTRACTS)		
		BUT HAVE NOT BEEN OFFICIALLY ASSIGNED PROJECTS TO DATE (PENDING ODNR AUTHORIZATION).		
TOTAL NUMBER OF PROJECTS:			TOTAL ESTIMATED CONSTRUCTION COSTS: \$	

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
	NONE				

17. COMPLETED WORK WITHIN THE 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)		
ODNR-DMRM (AML Section) 1 Herb Humphrey IM-0895 Project No. JF-SI-10-F Jefferson County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$12,986.00	2007	Yes		
ODNR-DMRM (AML Section) 2 B & S Mining D-1070 Project No. JF-SI-03-F Jefferson County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$11,612.45	2007	Yes		
ODNR-DMRM (AML Section) 3 McCourt Mining IM-919 CL-Ws-11-F Columbiana County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$46,000.00	2006	Yes		
ODNR-DMRM (AML Section) 4 Copperhead D-0876 Tipple TS-Sc-03-F Tuscarawas County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$31,000.00	2007	Yes		
ODNR-DMRM (AML Section) 5 Mardis Coal D-1069 CL-Hn-06-F Columbiana County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$20,000.00	2006	Yes		
ODNR-DMRM (AML Section) 6 Zupko Gob Pile Reclamation BL-PS-56 Belmont County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$24,000.00	2005	Yes		
ODNR-DMRM (AML Section) 7 Sands Mining Tipple D-0428 MS-Ws-11-F Muskingum County, Ohio	Ohio Department of Natural Resources Div. of Mineral Resources Management AML Section 2050 E. Wheeling Avenue Cambridge, Ohio 43725	Engineering Fee = \$17,000.00	2006	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
	None				

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: *Michael S. Kearns* Title: VP, Engineering Date: November 3, 2009

Printed Name: Michael S. Kearns

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

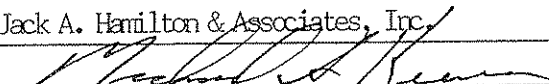
LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

Vendor's Name: Jack A. Hamilton & Associates, Inc.
Authorized Signature:  Date: November 3, 2009

Jack A. Hamilton & Associates, Inc.

PERSONNEL

Paul R. Hamilton, PS, BS – CEO
Cartography, BS - Surveying
Registered Surveyor in Ohio/GIS Manager
16 years experience

Cathy M. Bihlman, PS, President
Registered Surveyor in Ohio
25 years experience

Michael S. Kearns, PE, MS. BSCE, MSCE
Civil Engineering – V.P. Engineering
Registered Engineer in Ohio, West Virginia &
Pennsylvania
30 years experience

John Dubowski, P.E. – Civil Engineer
Registered Engineer in Ohio
5 years experience

Terry L. Steffl, PS
Registered Surveyor in Ohio, Pennsylvania and
Kentucky/Hazmat
33 years experience

David J. Siembab, PS, AS - Forestry
Registered Surveyor in Ohio
27 years experience

Howard Kemp, PS, Registered Surveyor
in West Virginia and Illinois
26 years experience

Jim M. Chuckery, SIT, AS - Applied Science
Survey Technician
32 years experience

Jarod Barcalow, Civil Engineering
Civil Engineering Intern
2 year experience
2

Ray L. Luyster, AS - Civil Engineering
Vice President
Head Civil Engineering Designer
16 years experience

David A. Hamilton, AS - Civil Engineering
Survey/Computer Technician/Networking/Safety
Director
17 years experience

Brett Mann, Civil Engineering
Civil Engineering Intern
2 years experience

P. Dane Morgan, AS - General Studies
Survey/Mining Technician
30 years experience

Charles W. Horne, BS - Cartography
GIS/Engineering Technician
9 years experience

Sylvia S. Utter, AS - Civil Engineering
Cad/Survey Technician
14 years experience

Ellen M. Greer
Hydrology/Mining/EPA Permitting
22 years experience

David Capers
Hydrology/Mining/EPA Permitting
8 Years experience

Jean M. Snyder
Survey/Mining Technician
22 years experience

Debbie J. McAfee
Survey/Mining Technician
19 years experience



Jack A. Hamilton & Associates, Inc.

PERSONNEL

David Barone

SurvCad/Micro-Station,
Cad Operator
3 years experience

Tina L. Marvin, AS

Computer Programming
Secretary/Accounting
12 years experience

J. Mark Shook

Survey Crew Chief/GPS Technician/Hazmat
17 years experience

Arlene F. Warner

Secretary/Clerical
16 years experience

Kevin R. Warner

Survey Crew Chief/GPS Technician/Hazmat
Technician/Hazmat
16 years experience

Kris R. Chini

Rodman/Instrument Man
9 years experience

Eric J. Garvin

Rodman
7 year

Chad Sutton

Rodman
3 year experience

Karla Fodor

Permit Technician
1 year experience

Iris Cologie

Permit Technician
1 year experienc

Rachel L. Hamilton –MA - Accounting

Secretary/Accounting
11 years experience



Jack A. Hamilton & Associates, Inc.

OFFICE FACILITIES AND EQUIPMENT LIST

OFFICE SPACE 3100 square feet, located at 342 High Street, Flushing, Ohio
2208 square feet, located at 338 High Street, Flushing, Ohio

FIELD EQUIPMENT

- 4 Ashtech Z-12 GPS Dual Frequency Receiver (3 Real Time Capable)
- 1 Ashtech Reliance Decimeter GPS Receiver
- 1 Ashtech Z Surveyor GPS Dual Frequency Receiver
- 1 Wild T-1 Theodolite
- 1 Topcon GTS-3B Geodetic Total Station W/Solar Filter
- 4 Nikon DTM 520 Total Station
- 2 Lietz B2C Automatic Level
- 1 Wild NAO Automatic Level
- 2 Topcon Automatic Level
- 1 Roelofs Solar Prism
- 6 Triple Bank Lietz Prism
- 8 Single Bank Lietz Prism
- 3 Schonstedt GA-52 Magnetic Locator
- 3 Schonstedt GA-72 Magnetic Locator
- 6 Hewlett Packard HP41CV Programmable Calculator
- 18 Motorola FM Radio (Walkie-Talkie)
- 7 Four Wheel Drive Vehicle (with two-way radio)
- 6 Hewlett Packard 48GX (TDS) Data Collector
- 2 Husky Data Collector
- 3 Pison Data Collector
- 4 Cellular Telephone
- 1 Magitronic Pentium 100 Laptop Computer
- 1 Dell 500 MHZ Laptop Computer
- 1 Compaq Armada 700 MHZ Laptop Computer
- 3 Static Water Level Meter

OFFICE EQUIPMENT

- 25 Computer/Work Station
- 1 Oce CS4030 Color Scanner
- 1 HP Color Laserjet 4600 Printer
- 1 Magicolor 2300DL Color Laser Printer
- 1 Brother MFC-3820CN Color Copier, Scanner/Fax Machine
- 1 Graphic III Laminator
- 2 Hewlett Packard 1050C Plus Design Jet Plotter
- 2 Hewlett Packard 4000 Design Jet Plotter



Jack A. Hamilton & Associates, Inc.

OFFICE FACILITIES AND EQUIPMENT LIST

OFFICE EQUIPMENT (Cont.)

- 1 Sony DVD Writer
- 3 Planix 7 Planimeter
- 1 Base Station (two-way radio)
- 1 Diazit Dart Blueprint Machine
- 4 Hewlett Packard HP41CV Programmable Calculator
- 4 Hewlett Packard 48GX Calculator
- 1 Pro Bind 50 Binding Machine
- 1 Diazit Omni 120E Blueline Print Machine
- 3 Swintec 4000 Typewriter
- 1 Hewlett Packard ScanJet 5P Scanner
- 1 Xerox 5818 Copy Machine
- 1 Canon NP 6035 Copy Machine
- 1 Ricoh FW 740 Copy Machine
- 1 Samsung SF 5100 Facsimile Machine
- 1 Sharp UX 1100 Facsimile Machine
- 12 Iomega Zip Drive 100
- 1 Hewlett Packard 6020EP Sure Store CD Writer
- 1 Colorado Trakker 250
- 1 External CD Reader
- 3 Swintec 4000 Typewriter
- 1 Canon Power Shot 350 Digital Camera
- 1 Kodak DC 280 Zoom Digital Camera
- 1 PD Drive
- 1 Hewlett Packard Capshare 920 E-Copier
- 1 Hewlett Packard Surestore CD Writer Plus 7200E
- 1 ComCast Cable Connection for Internet

SOFTWARE

Computer Aided Drafting & Design (Microstation*, Version 8; AutoCad; SurvCadd)
Flood Routing and Pond Design (SurvCadd)
GIS
GPS Post Processing
Graphics Software
Hydraulic/Hydrologic Design (HEC-RAS), HEC-PAC package
Reames Slope Stability Program
Rivermorph Stream Design



Jack A. Hamilton & Associates, Inc.

OFFICE FACILITIES AND EQUIPMENT LIST

SOFTWARE (Cont.)

Slope Stability Program (GSTABL7 with STEDwin)
SPC Conversion Program
Spreadsheet/Database
Storm Sewer Design (StormCad)
Surveying COGO Program
Word Processing
Water Systems Design (WaterCad)