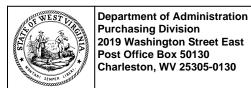


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.





State of West Virginia Solicitation Response

Proc Folder: 1717189

Solicitation Description: AML - EOI Pre-Qualification for Consultants

Proc Type: Central Purchase Order

 Solicitation Closes
 Solicitation Response
 Version

 2025-08-20 13:30
 SR 0313 ESR08202500000001155
 1

VENDOR

000000209609

CIVIL TECH ENGINEERING INC

Solicitation Number: CEOI 0313 DEP2600000001

Total Bid: 0 Response Date: 2025-08-20 Response Time: 06:19:08

Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III (304) 558-2306 joseph.e.hageriii@wv.gov

Vendor Signature X

FEIN# DATE

All offers subject to all terms and conditions contained in this solicitation

 Date Printed:
 Aug 21, 2025
 Page: 1
 FORM ID: WV-PRC-SR-001 2020/05

| Line | Comm Ln Desc | Qty | Unit Issue | Unit Price | Ln Total Or Contract Amount |
|------|---------------------------------|-----|------------|------------|-----------------------------|
| 1 | EOI Engineering Design Services | | | | 0.00 |
| | | | | | |

| Comm Code | Manufacturer | Specification | Model # | |
|-----------|--------------|---------------|---------|--|
| 81100000 | | | | |
| | | | | |

Commodity Line Comments:

Extended Description:

EOI Engineering Design Services

Date Printed: Aug 21, 2025 Page: 2 FORM ID: WV-PRC-SR-001 2020/05

DEP2600000001 EXPRESSION OF INTEREST TO PROVIDE PROFESSIONAL ENGINEERING SERVICES FOR AML PRE-QUALIFICATION FOR CONSULTANTS PROJECT

SUBMITTED TO: WVDEP – OFFICE OF AML & R

SUBMITTED BY: CIVIL TECH ENGINEERING INC. 300A PRESTIGE DRIVE HURRICANE, WV 25526

Phone: 304-757-8094 Fax: 304-757-8095 civiltech1@frontier.com

AUGUST 20, 2025

PHOTO: SUNRISE SANITATION MINE DRAIN

CIVIL TECH ENGINEERING, INC.

300A Prestige Drive Hurricane, West Virginia 25526 Phone: 304-757-8094 Fax: 304-757-8095 civiltech1@frontier.com

August 20, 2025

Department of Administration Purchasing Division 2019 Washington Street East P.O. Box 50130 Charleston, West Virginia 25305-0130

Subject: Expression of Interest for DEP26*01

AML Pregualification for Contractors

To Whom it May Concern:

CIVIL TECH ENGINEERING INC. is pleased to present this EOI for the subject Project. This EOI has been prepared to illustrate our recent and pertinent experience with AML and civil design projects. Important and pertinent AML experience is summarized below:

- □ 50 + years of combined experience with AML projects.
- □ 30 AML projects completed since 2008 and 4 ongoing.
- ☐ All projects completed and/or progressing on time and within budget.

Our firm and principals have been responsible for remediation of all types of AML projects including portals, AMD, landslides, drainage and erosion, subsidence, refuse, mine spoil, highwalls, burning refuse and mine fires throughout West Virginia. Most recent experience includes:

- Lake (Bell) Portals, Logan County, WV
- Pine Bluff (Wilson) Refuse, Harrison County, WV
- · Chaffey Run, Tucker County, Davis, WV
- Lost Creek (Siders) Dangerous Landslide, Lost Creek, WV
- Fords Run Drainage Project, Barbour County, WV
- Flatbush Highwall Project, Randolph County, WV
- Blue Knob Complex, Clay County, WV
- Ongoing and design completion: Fairmont Gateway Connector Portals, Lick Run 5, Horner's Run Portals, and Clarksburg Post Landslide (Contract 6 Projects).

<u>Me believe our past and recent experience makes our company uniquely pre-qualified</u> <u>for AML design projects.</u> We look forward to meeting with the selection committee to discuss the project and our qualifications.

Very truly yours,

CIVIL TECH ENGINEERING INC.

Mark E. Pennington MS, PE Principal Engineer

CIVIL TECH ENGINEERING, INC.

300A Prestige Drive Hurricane, West Virginia 25526 Phone: 304-757-8094 Fax: 304-757-8095 civiltech1@frontier.com

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Executed EOI – DEP26*01 Addendum # 1

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Section Three – Project Specifications
Section Four – Vendor Proposal, Evaluation, & Award
Section Five – Terms and Conditions
Additional Terms and Conditions (A&E Contracts)
Attachment "A" Consultant Confidential Qualification Questionnaire
Attachment "B" Project Experience Matrix
AML Contractor Information Forms

Section 3 - Project Specifications Discussion

Section A – AML Experience Project Photographs Sample Drawings

Section B.1

History of Firm Office, Staff, and Equipment Resumes

Section B.2 – Civil Design Project Photographs Sample Drawings

Section B.3 – Dam Safety Project Photographs Sample Drawings

Section B.4 – Geotechnical/Surveying Project Photographs



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

State of West Virginia Centralized Expression of Interest

Proc Folder: 1717189 Reason for Modification: Doc Description: AML - EOI Pre-Qualification for Consultants Proc Type: Central Purchase Order Date Issued Solicitation Closes **Solicitation No** Version 2025-08-01 2025-08-20 13:30 CEOI 0313 DEP2600000001

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Customer Code: WVOASIS VENDOR# 000000209609

Vendor Name: Civil Tech Engineering, Inc.

Address: 300A Prestige Drive

Street:

City: Hurricane

State: West Virginia

Country: USA

Zip: 25526

Principal Contact: Mark E. Pennington, PE

Vendor Contact Phone: 304-757-8094

Extension:

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III

(304) 558-2306

joseph.e.hageriii@wv.gov

Vendor

Signature X

FEIN#

55-0757403

DATE 8.20.25

All offers subject to all terms and conditions contained in this solicitation

Date Printed: Aug 1, 2025

Page: 1

FORM ID: WV-PRC-CEOI-002 2020/05

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting vendors to prequalify to provide proposals on Expression(s) of Interest(s) ("EOI") for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) from qualified firms to provide architectural/engineering services pursuant to HB 3429.

The purpose of the project is to solicit pre-qualifications for the purpose of making available a list of pre-qualified Consultants.

| INVOICE TO | SHIP TO | | | | |
|--------------------------|--------------------------|--|--|--|--|
| ENVIRONMENTAL PROTECTION | ENVIRONMENTAL PROTECTION | | | | |
| OFFICE OF AML&R | OFFICE OF AML&R | | | | |
| 601 57TH ST SE | 601 57TH ST SE | | | | |
| CHARLESTON WV 25304 | CHARLESTON WV 25304 | | | | |
| US | US | | | | |
| | | | | | |

| Line | Comm Ln Desc | Qty | Unit Issue |
|------|---------------------------------|-----|------------|
| 1 | EOI Engineering Design Services | | |
| 1 | | | |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 81100000 | | | |

Extended Description:

EOI Engineering Design Services

SCHEDULE OF EVENTS

Line Event Event Event Date



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

State of West Virginia **Centralized Expression of Interest**

Proc Folder:

1717189

Doc Description: AML - EOI Pre-Qualification for Consultants

Reason for Modification:

Addendum #1 issued to publish agency responses to vendor

submitted questions.

Proc Type:

Central Purchase Order

Version Date Issued **Solicitation Closes** Solicitation No 2025-08-13 2025-08-20 13:30 CEOI 0313 DEP2600000001 2

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Customer Code: WVOASIS VENDOR# 000000209609

Vendor Name: Civil Tech Engineering, Inc.

Address: 300A

Street: Prestige Drive

City: Hurricane

State: WV

Country: USA

Zip: 25526

Principal Contact: Mark E. Pennington, PE

Vendor Contact Phone: 304-757-8094

Extension:

FOR INFORMATION CONTACT THE BUYER

Joseph (Josh) E Hager III

(304) 558-2306

joseph.e.hageriii@wv.gov

Vendor

Signature X

FEIN# 55-0757403

DATE 8.20.25

All offers subject to all terms and conditions contained in this solicitation

Date Printed: Aug 13, 2025

Page: 1

FORM ID: WV-PRC-CEOI-002 2020/05

ADDITIONAL INFORMATION

The Acquisitions and Contract Administration Section of the Purchasing Division is soliciting vendors to prequalify to provide proposals on Expression(s) of Interest(s) ("EOI") for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) from qualified firms to provide architectural/engineering services pursuant to HB 3429.

The purpose of the project is to solicit pre-qualifications for the purpose of making available a list of pre-qualified Consultants.

| INVOICE TO | SHIP TO | | | | |
|--------------------------|--------------------------|--|--|--|--|
| ENVIRONMENTAL PROTECTION | ENVIRONMENTAL PROTECTION | | | | |
| OFFICE OF AML&R | OFFICE OF AML&R | | | | |
| 601 57TH ST SE | 601 57TH ST SE | | | | |
| CHARLESTON WV 25304 | CHARLESTON WV 25304 | | | | |
| US | US | | | | |
| | | | | | |

| Line | Comm Ln Desc | Qty | Unit Issue |
|------|---------------------------------|-----|------------|
| 1 | EOI Engineering Design Services | | |
| 1 | | | |

| Comm Code | Manufacturer | Specification | Model # |
|-----------|--------------|---------------|---------|
| 81100000 | | | |

Extended Description:

EOI Engineering Design Services

SCHEDULE OF EVENTS

Line Event Event Event Date

SOLICITATION NUMBER: Addendum Number:

Applicable Addendum Category:

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

| [|] | Modify bid opening date and time | | | | |
|-------------|--|--|--|--|--|--|
| [|] | Modify specifications of product or service being sought | | | | |
| [| [] Attachment of vendor questions and responses | | | | | |
| [|] | Attachment of pre-bid sign-in sheet | | | | |
| [|] | Correction of error | | | | |
| [|] | Other | | | | |
| Description | on o | f Modification to Solicitation: | | | | |

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

RFI: Questions from vendors for CEOI DEP 26*01 AML Pre-qualification

- **Q.1.**) Our company specializes in AML project development, design, permitting, and inspection. Another unit we have specializes in construction of large-scale reclamation and remediation projects for the mining and other associated industries. Our company owns and operates all the construction equipment necessary to complete the construction of these projects. For this EOI for prequalification of firms, can the two companies' operating units' partner to provide a single entity which can complete all phases and aspects of the AML reclamation projects start to finish?
- A. Your company can partner but the construction for these designs will be bid out separately.
- **Q.2.** Please confirm only attachments A and B are required to submit in order to obtain prequalification.
- A. You must submit your qualification per section 4
- Q.3. Please confirm firms do not need to provide full-page resumes for personnel listed
- A. You must submit your qualification per section 4

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: CEOI DEP26*01

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

| Addendum Numbers Received: | | | | | | | | |
|--|--|------------|----------------|---|---|-----------------|--|--|
| (Check the box next to each addendum received) | | | | | | | | |
| | | | | | | | | |
| [| | x] | Addendum No. 1 | [|] | Addendum No. 6 | | |
| г | | 7 | Addendum No. 2 | Г | 1 | Addendum No. 7 | | |
| [] Addendum No. 2 | | | Addendum No. 2 | L | 1 | Addendam No. / | | |
| Γ | | 1 | Addendum No. 3 | Γ | 1 | Addendum No. 8 | | |
| - | | - | | - | - | | | |
| [| |] | Addendum No. 4 | |] | Addendum No. 9 | | |
| | | | | | | | | |
| [| |] | Addendum No. 5 | |] | Addendum No. 10 | | |
| | | | | | | | | |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Civil Tech Engineering Inc.

Company

Authorized Signature

8.20.25

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing. Revised 6/8/2012

Pre-Qualification for Design Firms

TABLE OF CONTENTS:

- 1. Table of Contents
- 2. Section One: General Information
- 3. Section Two: Instructions to Vendors Submitting Bids
- 4. Section Three: Project Specifications
- 5. Section Four: Vendor Proposal, Evaluation, and Award
- 6. Section Five: Terms and Conditions
- 7. Certification and Signature Page

SECTION ONE: GENERAL INFORMATION

- 1. **PURPOSE:** The Acquisitions and Contract Administration Section of the Purchasing Division ("Purchasing Division") is soliciting vendors to prequalify to provide proposals on Expression(s) of Interest(s) ("EOI") for the West Virginia Department of Environmental Protection, Division of Land Restoration, Office of Abandoned Mine Lands and Reclamation (WVDEP-DLR-AML) ("Agency"), from qualified firms to provide architectural/engineering services ("Vendors") pursuant to HB 3429.
- **2. PROJECT:** The purpose of the project is to solicit pre-qualifications for the purpose of making available a list of pre-qualified Consultants.

Enrolled Version - Final Version

OTHER VERSIONS - Committee Substitute (1) | Engrossed Version | Introduced Version |

Key: Green = existing Code. Red = new code to be enacted

WEST VIRGINIA LEGISLATURE 2025 REGULAR SESSION ENROLLED Committee Substitute for House Bill 3429

BY DELEGATE RILEY

[Passed April 12, 2025; in effect 90 days from passage (July 11, 2025)]

AN ACT to amend the Code of West Virginia, 1931, as amended, by adding a new section designated §22-2-11, relating to providing engineering services under the abandoned mine lands and reclamation act; requiring certain advertisements; establishing a prequalification process for hiring engineering firms; providing prequalification agreement requirements; and providing directives for project assignments.

Be it enacted by the Legislature of West Virginia:

ARTICLE 2. ABANDONED MINE LANDS AND RECLAMATION ACT.

§22-2-11. Prequalification process for consultants; project assignments.

- (a) For purposes of this section, "professional services" means engineering services provided by firms and includes those professional services of an engineering nature as well as incidental services that members of those professions and those in their employ may logically or justifiably perform.
- (b) The secretary shall publish a Class II legal advertisement to solicit letters of interest for professional services used in engineering procurement. The advertisement:
 - (1) Shall comply with the Class II legal advertisement provisions of §59-3-1 et seq. of this code;
 - (2) State a time and place for submitting letters of interest and a description of the services required;
 - (3) Specify the secretary's right to reject any letter of interest; and
- (4) Shall be published at least once in at least one daily newspaper published in the city of Charleston and in other journals or magazines as the secretary determines is advisable.
- (c) The department shall evaluate any letter of interest received and generate from the letters received a list of all qualified firms, designated the "Prequalified List of Firms".
- (d) Upon the department's recommendation, the Purchasing Division shall enter into a prequalification agreement with the qualified firms pursuant to §5A-3-10e of this code. The agreement shall cover the services defined in the letters of interest and have a one-year term, with an optional two-year extension if requested by the department.
 - (e) For all project assignments:
- (1) The department shall issue an expression of interest for any project that needs to be solicited and deliver it to those prequalified firms with which the Purchasing Division has an active prequalification agreement;
 - (2) The department may review and consider responses only from prequalified consultants with active prequalification agreements;
- (3) The department shall conduct discussions with three or more professional services firms solicited on the basis of known or submitted qualifications for the project prior to awarding a contract. If the secretary determines that special circumstances exist such that seeking competition is not practical, the department may, with the Director of Purchasing's prior approval, select a professional services firm on the basis of previous satisfactory performance and knowledge of the department's facilities and needs. After selection, the department and firm shall develop the scope of services required and negotiate a contract;
 - (4) The department shall notify its procurement division and the Division of Purchasing of the firm that it selected;
 - (5) The department shall schedule and conduct a scope of work meeting with the selected firm within 45 days of selection;
- (6) Within 60 days of selection, unless an extension is requested by both parties, the department and firm shall complete cost negotiations;
- (7) The department shall provide to its own procurement division and the Purchasing Division information regarding the agreed upon costs and all required forms necessary to initiate a contract; and

| (8) The department may issue an advanced i | notice to proceed, if requested by the firm. |
|---|---|
| The Clerk of the House of Delegates and the | Clerk of the Senate hereby certify that the foregoing bill is correctly enrolled. |
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| Clerk of the House of Delegates | |
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| Clerk of the Senate | |
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| | |
| Originated in the House of Delegates. | |
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| In effect 90 days from passage. | |
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| Speaker of the House of Delegates | |
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| President of the Senate | |
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| Day of | |

Governor

Pre-Qualification for Design Firms

SECTION TWO: INSTRUCTIONS TO VENDORS SUBMITTING BIDS

Instructions begin on the next page.

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

- 1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
- 2. **MANDATORY TERMS:** The Solicitation may contain **mandatory** provisions identified by the use of the words "**must**," "**will**," and "**shall**." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
- 3. PRE-BID MEETING: The item identified below shall apply to this Solicitation.[] A pre-bid meeting will not be held prior to bid opening[] A MANDATORY PRE-BID meeting will be held at the following place and time:

All Vendors submitting a bid must attend the **mandatory** pre-bid meeting. Failure to attend the **mandatory** pre-bid meeting shall result in disqualification of the Vendor's bid. No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in but are charged with knowing all matters discussed at the pre-bid.

Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. **VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions **must be submitted on or before the date listed below and to the address listed below to be considered**. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding.

Submitted emails should have the solicitation number in the subject line. Question

Submission Deadline:

Submit Questions to: 2019 Washington Street, East Charleston, WV 25305 Fax: (304) 558-3970

Email:

- 5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.
- 6. **BID SUBMISSION:** All bids must be submitted on or before the date and time of the bid opening listed in section 7 below. Vendors can submit bids electronically through wvOASIS, in paper form delivered to the Purchasing Division at the address listed below either in person or by courier, or in facsimile form by faxing to the Purchasing Division at the number listed below. Notwithstanding the foregoing, the Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. The Purchasing Division will not accept bids or modification of bids via email.

Bids submitted in paper, facsimile, or via wvOASIS must contain a signature. Failure to submit a bid in any form without a signature will result in rejection of your bid.

A bid submitted in paper or facsimile form should contain the information listed below on the face of the submission envelope or fax cover sheet. Otherwise, the bid may be rejected by the Purchasing Division.

VENDOR NAME:

BUYER:

SOLICITATION NO.:

BID OPENING DATE:

BID OPENING TIME:

FAX NUMBER:

Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason.

Bid Delivery Address and Fax Number:

Department of Administration, Purchasing Division 2019 Washington Street East Charleston, WV 25305-0130

Fax: 304-558-3970

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by *wv*OASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery or via delivery by mail).

Bid Opening Date and Time:

Bid Opening Location: Department of Administration, Purchasing Division 2019 Washington Street East Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgement Form. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

- 9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.
- 10. ALTERNATE MODEL OR BRAND: Unless the box below is checked, any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand **shall** clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items **may** be grounds for rejection of a Vendor's bid.
- [] This Solicitation is based upon a standardized commodity established under W. Va. Code § 5A-3-61. Vendors are expected to bid the standardized commodity identified. Failure to bid the standardized commodity will result in your firm's bid being rejected.
- 11. **COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6.2, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.
- 12. **REGISTRATION:** Prior to Contract award, the apparent successful Vendor **must** be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.
- 13. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.
- 14. **PREFERENCE:** Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and must include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at: www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15A. RECIPROCAL PREFERENCE: The State of West Virginia applies a reciprocal preference to all solicitations for commodities and printing in accordance with W. Va. Code § 5A-3-37(b). In effect, non-resident vendors receiving a preference in their home states, will see that same preference granted to West Virginia resident vendors bidding against them in West Virginia. Any request for reciprocal preference must include with the bid any information necessary to evaluate and confirm the applicability of the preference. A request to facilitate found form help the request can be www.state.wv.us/admin/purchase/vrc/Venpref.pdf.

15. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:

For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37 and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, womenowned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority- owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors.

- 16. **WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.7.
- 17. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.
- 18. **NON-RESPONSIBLE:** The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform or lacks the integrity and reliability to assure good-faith performance."
- 19. **ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.6. and § 148-1-6.3."

- 20. WITH THE BID REQUIREMENTS: In instances where these specifications require documentation or other information with the bid, and a vendor fails to provide it with the bid, the Director of the Purchasing Division reserves the right to request those items after bid opening and prior to contract award pursuant to the authority to waive minor irregularities in bids or specifications under W. Va. CSR § 148-1-4.7. This authority does not apply to instances where state law mandates receipt with the bid.
- 21. **EMAIL NOTIFICATION OF AWARD:** The Purchasing Division will attempt to provide bidders with e-mail notification of contract award when a solicitation that the bidder participated in has been awarded. For notification purposes, bidders must provide the Purchasing Division with a valid email address in the bid response. Bidders may also monitor wvOASIS or the Purchasing Division's website to determine when a contract has been awarded.
- 22. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

Pre-Qualification for Design Firms

SECTION THREE: PROJECT SPECIFICATIONS

1. Background: The WVDEP/AML Program is soliciting Consultant Firms to provide "full service" A/E planning, realty, design, and construction oversight. Firms are to be licensed Architectural/Engineering Firms (A/E) in the State of West Virginia and either the firm or its sub-contractors within a given field must have a successful track record of permitting and designing reclamation projects, reality, and construction inspection. The anticipated contract (s) will be advertised once the prequalified vendors are determined and will be for "full service" A/E planning, realty, design, and construction oversight. This solicitation is only for the purpose of prequalifying vendors. No specific project will be awarded from this solicitation.

The expectation is the successful prequalified A/E firm(s) will be able to call upon a team of professionals for each discipline, whether internal or subcontracted, that can provide each discipline's deliverables with a minimum of supervision. The expectation is that the successful prequalified A/E firm will be providing a schedule, tracking work to that schedule, and providing regular updates as to progress with a minimum of State oversight.

2. Project and Goals: The project goals and objectives include but are not limited to those listed below. Vendors should discuss any anticipated concepts and proposed methods of approach for achieving each of the listed goals and objectives:

Qualifications should be highlighted to meet the following criteria:

All Work shall comply with the Infrastructure Investment Jobs Act (IIJA), including compliance with the Davis-Bacon and Build America, Buy America (BABA), as applicable and all Federal, State, and Local laws.

Planning Work encompasses all related consultations, investigations, report generation, applications, etc. required to perform the Work, which may include, but may not be limited to: National Environmental Policy Act (NEPA) consultations, West Virginia Division of Natural Resources (WVDNR) consultation, West Virginia Historic Preservation Office (SHPO) consultation, WV Regional Planning consultation, US Forest Service consultations, US Fish and Wildlife Service (USFWS) consultations, and any other consultation(s) or permit(s) needed to perform the Work. The above includes but is not limited to bat studies, threatened and endangered species investigation / analysis / report generation, water quality sampling, and data collection / analysis.

Pre-Qualification for Design Firms

Realty Work encompasses all necessary research and subsequent right of entry agreements being set into place for the sites to be sufficiently and legally investigated, designed, and for a final design to be constructed. This may include, but may not be limited to: performing courthouse research to determine legal property ownership and dutifully documenting the findings, obtaining Exploratory Rights of Entry (EROE) from affected landowners, obtaining Construction Rights of Entry (CROE) from landowners, keeping logs of all conversations with landowners, data collection, reporting, and possessing the capability of having boundary surveys performed on an as-needed basis. The successful A/E firm must obtain the rights of entry prior to performing any fieldwork on-site, and these rights of entry must include the successful A/E firm, the WVDEP-DLR-AML, and Office of Surface Mining Reclamation & Enforcement (OSMRE).

Design Work which may include, but may not be limited to: Civil, Geological, Hydrological, Survey (mapping), Process, Structural, Electrical, etc., as applicable. This encompasses all required engineering and survey (including current mapping and other related services) necessary to successfully design an engineered, permanent solution that fully addresses the issues and problems that each project presents. This also includes site and geotechnical investigations. Each design must fully remove and mitigate dangers to private individuals or the public that are currently present, not introduce new dangers, and be stamped by a Registered Professional Engineer in the State of West Virginia for design and Registered Professional Surveyor in the State of West Virginia for survey for deliverables. Design Work includes but is not limited to: National Pollutant Discharge Elimination System (NPDES) construction stormwater General Permit registration, West Virginia Department of Highways (WVDOH) MM-109 encroachment permits, Army Corps of Engineers (USACE) consultations, Department of Health Permits (for water lines, if applicable), and county permits as applicable, including floodplain permits. Design Work could also include but is not limited to: developing construction plans and technical specifications for all aspects to reclaim mine portals, drainage controls and systems, slope stabilization, coal refuse and mine spoil reclamation, stream and / or channel restoration, subsidence repair, temporary and permanent access or accesses for construction and future maintenance, stormwater and erosion and sediment control, regrading and revegetation, any required water treatment systems, and any remediation for all other conditions encountered on the project sites. The successful A/E firm must obtain, maintain, and release all required permits.

Construction Oversight Work including but may not be limited to: Daily Inspection with documentation for the duration of the Construction and through the warranty period until final release, Engineering Oversight and Support, review and approval of contractor-provided as-builts, and Final Engineer's Certification Report of the project.

Pre-Qualification for Design Firms

Vendor should describe how the firm will meet the Agency's and firms agreement for deadlines.

Vendors should demonstrate a clear understanding of the time-sensitive nature of Abandoned Mine Land (AML) reclamation projects and provide a plan for how they will meet all deadlines established by the Agency throughout the project lifecycle.

3. Contract Services Deliverables: Once Prequalified, The Agency expects firms to:

- Adhere to established schedules for project initiation, deliverables, and completion.
- Be responsive to funding and compliance timelines under the Infrastructure Investment and Jobs Act (IIJA) and the Surface Mining Control and Reclamation Act (SMCRA).
- Coordinate effectively with Agency staff, subcontractors, and permitting authorities to avoid delays.
- Proactively identify risks and propose mitigation strategies to stay on track.

Firms must include but not limited to the following documentation in each prequalification response:

- A description of their project management approach and internal systems used to ensure timely performance;
- Examples of past AML or similar projects completed on time, including key deadlines met.
- A summary of personnel availability and resource planning to meet overlapping or expedited deadlines;
- A plan for communication, progress tracking, and prompt issue resolution.
- **4. Qualifications, Experience, and Past Performance:** Consultant must include a statement of qualifications and performance data. The statement of qualifications and performance data may be presented through things like information regarding its employees, such as staff qualifications and experience in completing similar projects; references; copies of any staff certifications or degrees applicable to this project; proposed staffing plan; descriptions of past projects completed entailing the location of the project, project manager name and contact information, type of project, and the project goals and objectives and how they were met.

Pre-Qualification for Design Firms

All Consultants requesting to be considered <u>MUST</u> hold a valid Certificate of Authorization (COA) and have an individual who shall oversee the work, who will sign and seal all design documentation, plans, etc., and must be registered and licensed with the West Virginia Board of Professional Engineers.

The response should be presented in concise format which defines the corporation history and the experience, qualifications, and performance data of the firm's staff as requested by the AML Consultant Qualification Questionnaire (CQQ), Attachment "A" and the AML and Related Project Experience Matrix (RPEM), Attachment "B".

AML Consultant Qualification Questionnaire (CQQ) should be completed and submitted with Vendor's submitted response to be eligible (See Attachment "A").

AML and Related Project Experience Matrix (RPEM) should also be completed and submitted with Vendor's submitted response to be eligible (See Attachment "B").

SECTION FOUR: VENDOR PROPOSAL, EVALUATION, & AWARD

1. The resume and qualifications of the submitted staff will be reviewed and evaluated based on design experience. Additional AML experience should be included for additional evaluation. Selections will be based on detailed work experience supplied in the resume, as well as the firm's principal in charge assurances of reliability and competency. If it is determined that work is being performed at a substandard or inefficient manner the Department may choose to remove the firm from the list with the approval of the Purchasing Division.

Once approved, that Consultant's name shall be placed on the list of Consultants prequalified to participate in this program and shall be considered pre-qualified and eligible for project selection

Those Consultants selected and placed on a master list MUST resubmit their CQQ (or **Attachment "A"**) upon any changes or change of discipline. Consultants must keep a current certificate of insurance (COI) throughout the contract period and resubmit a current COI upon renewals.

Pre-Qualification for Design Firms

2. Evaluation and Award Process: Expressions of Interest for projects will be evaluated and awarded in accordance with W.Va. Code §22-2-11. The State shall select the best value solution according to WV Code §22-2-11. This solicitation is for the prequalification of those vendors only. No award for a specific project will be determined from this solicitation.

If negotiations are successful, the contract documents will be forwarded to the WV Purchasing Division for review and approval, and then to the WV Attorney General's office for review and approval as to form. Once approved, a formal contract will be issued to the Vendor.

Should the agency be unable to negotiate a satisfactory contract with the professional firm considered to be the most qualified at a fee determined to be fair and reasonable, the agency will then commence negotiations with the second most qualified firm, and so on, until an agreement is reached or the solicitation is cancelled.

Evaluation Determination: The Agency will evaluate the letters of interest to determine the most qualified to perform the desired service. The evaluation criteria will be based upon the prequalification process for consultants; project assignments pursuant to WV Code §22-2-11.

Pre-Qualification for Design Firms

SECTION FIVE: TERMS AND CONDITIONS

Terms and conditions begin on the next page.

GENERAL TERMS AND CONDITIONS:

- 1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
- **2. DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
- **2.1. "Agency"** or "**Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
- **2.2. "Bid"** or **"Proposal"** means the vendors submitted response to this solicitation.
- **2.3.** "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.
- **2.4. "Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.
- **2.5. "Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.
- **2.6. "Award Document"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.
- **2.7. "Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
- **2.8. "State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
- **2.9. "Vendor"** or "**Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

| 3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below: |
|---|
| [] Term Contract |
| Initial Contract Term: The Initial Contract Term will be for a period of The Initial Contract Term becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as |
| Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only) |
| [] Alternate Renewal Term – This contract may be renewed for successive year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only) |
| Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired. |
| [] Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed withindays. |

| receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within days. Upon completion of the work covered by the preceding sentence, the vendor agrees that: |
|--|
| [] the contract will continue for years; |
| [] the contract may be renewed for successive year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's Office (Attorney General approval is as to form only). |
| [] One-Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year. |
| [] Construction/Project Oversight: This Contract becomes effective on the effective start date listed on the first page of this Contract, identified as the State of West Virginia contract cover page containing the signatures of the Purchasing Division, Attorney General, and Encumbrance clerk (or another page identified as |
| 4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced. |
| 5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below. |
| [] Open End Contract: Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown. |
| [] Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith. |
| [] Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith. |

| [] One-Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office. |
|---|
| [] Construction: This Contract is for construction activity more fully defined in the specifications. |
| 6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute of breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One-Time Purchase contract. |
| 7. REQUIRED DOCUMENTS: All of the items checked in this section must be provided to the Purchasing Division by the Vendor as specified: |
| [] LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion. |
| [] |
| [] |
| [] |
| [] |
| The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed |

above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancelation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

| Vendor must maintain: | |
|---|-----------------------|
| [] Commercial General Liability Insurance in at least an amount occurrence. | of: per |
| [] Automobile Liability Insurance in at least an amount of: | per occurrence. |
| [] Professional/Malpractice/Errors and Omission Insurance in a per occurrence. Notwithstanding the forgoin list the State as an additional insured for this type of policy. | |
| [] Commercial Crime and Third Party Fidelity Insurance in an per occurrence. | amount of: |
| [] Cyber Liability Insurance in an amount of: | per occurrence. |
| [] Builders Risk Insurance in an amount equal to 100% of the am | ount of the Contract. |
| [] Pollution Insurance in an amount of: per | occurrence. |
| [] Aircraft Liability in an amount of: per oc | currence. |
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- **9. WORKERS' COMPENSATION INSURANCE:** Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.
- **10. VENUE:** All legal actions for damages brought by Vendor against the State shall be brought in the West Virginia Claims Commission. Other causes of action must be brought in the West Virginia court authorized by statute to exercise jurisdiction over it.
- **11. LIQUIDATED DAMAGES:** This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

| [] for | • |
|---|---|
| [] Liquidated Damages Contained in the Specifications. | |
| [] Liquidated Damages Are Not Included in this Contract. | |

- **12. ACCEPTANCE:** Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.
- **13. PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.
- **14. PAYMENT IN ARREARS:** Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.
- **15. PAYMENT METHODS:** Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)
- **16. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

- 17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.
- **18. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.
- **19. CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.
- **20. TIME:** Time is of the essence regarding all matters of time and performance in this Contract.
- **21. APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.
- **22. COMPLIANCE WITH LAWS:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.
 - **SUBCONTRACTOR COMPLIANCE:** Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.
- **23. ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

- **24. MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.
- **25. WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
- **26. SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.
- **27. ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.
- **28. WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
- **29. STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
- **30. PRIVACY, SECURITY, AND CONFIDENTIALITY:** The Vendor agrees that it 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 www.state.wv.us/admin/purchase/privacy.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor 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 agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

- **33. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to 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 Vendor.
- **34. VENDOR NON-CONFLICT:** Neither Vendor nor its representatives are permitted to have any interest, nor shall they acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

- **36. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- **37. NO DEBT CERTIFICATION:** In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State. By submitting a bid, or entering into a contract with the State, Vendor is affirming that (1) for construction contracts, the Vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, neither the Vendor nor any related party owe a debt as defined above, and neither the Vendor nor any related party are in employer default as defined in the statute cited above unless the debt or employer default is permitted under the statute.
- **38. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

- **39. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:
- [] Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.
- [] Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.
- **40. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.
- **41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:
 - a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
 - b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process.
 - c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
 - 1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
 - 2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the Vendor must submit to the Agency a disclosure of interested parties prior to beginning work under this Contract. Additionally, the Vendor must submit a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-work interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

- **44. PROHIBITION AGAINST USED OR REFURBISHED:** Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.
- **45. VOID CONTRACT CLAUSES:** This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.
- **46. ISRAEL BOYCOTT:** Bidder understands and agrees that, pursuant to W. Va. Code § 5A-3-63, it is prohibited from engaging in a boycott of Israel during the term of this contract.

ADDITIONAL TERMS AND CONDITIONS (Architectural and Engineering Contracts Only)

- **1. PLAN AND DRAWING DISTRIBUTION:** All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.
- 2. PROJECT ADDENDA REQUIREMENTS: The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.
- **3. PRE-BID MEETING RESPONSIBILITIES:** The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.
- **4. AIA DOCUMENTS:** All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.
- **5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS:** In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

| (Printed Name and Title) Mark E. Pennington, PE Principal Engineer |
|--|
| (Address) 300A Prestige Drive, Hurricane, West Virginia 25526 |
| (Phone Number) / (Fax Number)304/757-8094/304-757-8095 |
| (email address)civiltech1@frontier.com |

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

| Civil Tech Engineering. Ind (Company) | |
|--|--|
| Signature of Authorized Representative) | |
| Mark E Pennington, PE Principal Engineer | |
| (Printed Name and Title of Authorized Representative) (Date) | |
| 304-757-8094/304-757-8095 | |
| (Phone Number) (Fax Number) | |
| civiltech1@frontier.com | |

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: DEP 2600000001

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

| necessary revisions to my proposal, plans and/or specification, etc. |
|---|
| Addendum Numbers Received: (Check the box next to each addendum received) |
| Addendum No. 1 Addendum No. 6 Addendum No. 2 Addendum No. 7 Addendum No. 3 Addendum No. 8 Addendum No. 4 Addendum No. 9 Addendum No. 5 Addendum No. 10 |
| I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any ora discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding. |
| Company Authorized Signature |
| 8.20.25 |
| Date |
| |

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

| | WEST VI | RGINIA DEPARTN | MENT OF ENVIRONME | NTAL PROTEC | CTION | |
|---|--|--|------------------------|--|--|--|
| | AML CO | NSULTANT CONF | IDENTIAL QUALIFIC | ATION QUES | TIONNAIRE Attachment "A" | |
| PROJECT NAME AML Pre- Qualification | | DATE (DAY, MONT August 20, 2025 | H, YEAR) | FEIN 55-07574 | 403 | |
| CIVIL TECH ENGINEERING INC. 300A Prestig | | 300A Prestige D | | | 3. FORMER FIRM NAME NA | |
| 4. HOME OFFICE TELEPHONE 304-757-8094 | 5. ESTABL 1996 | ISHED (YEAR) | | poration nt-Venture | 6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES NO XX | |
| 7. PRIMARY AML DESIGN OFFICE: 300A Prestige Drive, Hurri | cane, WV | 25526/Mark E. Pe | nnington PE/Twelve | | | |
| 8. NAMES OF PRINCIPAL OFFICER Mark E. Pennington MS, P Jennifer E. Pennington P | E | RS OF FIRM | 8a. NAME, TITLE, & NA | TELEPHONE NUI | MBER - OTHER PRINCIPALS | |
| - ADMINISTRATIVE - ARCHITECTS - BIOLOGIST 2 CADD OPERATORS - CHEMICAL ENGINEERS 3 CIVIL ENGINEERS 4 CONSTRUCTION INSPECTORS - DESIGNERS - DRAFTSMEN TOTAL NUMBER OF WV REGI *RPES other than Civil supervise and perform t | 1 ENVIRO ESTIMA 2 GEOLOG HISTOR HYDROL STERED PRO and Mining | ISTS ICAL ENGINEERS NMENTALISTS FORS ISTS IANS OGISTS FESSIONAL ENGINE must provide su | | NGINEERS NEERS RISTS BAN/REGIONAL INEERS ERS N | - STRUCTURAL ENGINEERS 2 SURVEYORS - TRAFFIC ENGINEERS OTHER (Technicians) 12 TOTAL PERSONNEL | |
| 10. HAS THIS JOINT-VENTURE WO | | | | NA | tant Confidential Qualification | |

Questionnaire".

| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE | | |
|--|--|---|--|--|
| Novel Geo-Environmental PLLC | Drilling and Laboratory Soils Testing | | | |
| 806 B Street | | X Yes | | |
| St. Albans, WV 25177 | | | | |
| | | No | | |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE | | |
| Triad Engineering Inc. | Drilling and Laboratory Soils Testing | | | |
| 219 Hartman Run Road | | X Yes | | |
| Morgantown, WV 26505 | | | | |
| | | No | | |
| NAME AND ADDRESS: | SPECIALTY: | WORKED WITH BEFORE | | |
| | Environmental Permitting | | | |
| Decota Consulting Company, Inc. | Environmental Permitting | _X_Yes | | |
| 4984 Washington Street, W. | | | | |
| Charleston, WV 25313 | | No | | |
| 12. A. Is your firm experienced in | Abandoned Mine Lands Remedia | tion/Mine Reclamation Engineering? | | |
| | | | | |
| YES Description and Number | of Projects: See Section A | | | |
| | 163 AML Projec | ts - Personnel & Corporate Experience | | |
| | 50+ Subsidence | Claims - Corporate Experience | | |
| | | | | |
| | | | | |
| NO | | | | |
| B. Is your firm experienced in | Soil Analysis? | | | |
| | | | | |
| YES Description and Number of Projects: See Sections B.2, B.3, and B.4 | | | | |
| | 2000+ Projects | - Corporate and Personnel Experience. | | |
| | | | | |
| | | | | |
| NO | | | | |
| | | | | |
| C. Is your firm experienced in | hydrology and hydraulics? | | | |
| | | | | |
| YES Description and Number | of Projects: See Sections B | | | |
| | —————————————————————————————————————— | involving storm water controls and dam spillway | | |
| | Design/analysi | S. | | |
| | | | | |
| | | | | |
| NO | | | | |
| | | | | |

| D. | Does your firm produce i | ts own Aerial Photography and | Develop Contour Mapping? | | |
|--|--|---------------------------------|--------------------------|--------------------------------|--|
| | YES | | | | |
| | NO XX | | | | |
| Ε. | . 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: Douglas Water line (DEP ID#303) | | | | |
| | NO X | mber of frojectsbougids | water Time_(bir 1b#303) | | |
| F. | Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design? | | | | |
| YES Description and Number of Projects:_ Design of Liming station and dams for Cranberry River | | | | | |
| | NO | | | | |
| 13. PERSONAL HISTORY STATEMENT OF PRINCIPALS AND ASSOCIATES RESPONSIBLE FOR AML PROJECT DESIGN (Furnish complete data but keep to essentials) | | | | | |
| | E (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | | |
| Pennington | • | YEARS OF AML DESIGN EXPERIENCE: | | YEARS OF DOMESTIC | |
| President · | - Principal Engineer | 25 | EXPERIENCE: 45 | WATERLINE DESIGN EXPERIENCE: 9 | |

| rief Explanation of Responsibilities: | | DEGENTE AND ONGOING DOORGEG | | |
|---|----------------------------|--|--|--|
| PROJECT RESPONSIBILITIES | COMPANY RESPONSIBIL | RECENT AND ONGOING PROJECTS | | |
| | | ☐ ☐ 2023 CONTRACT 6 PROJECTS (4) | | |
| ☐ LANDSLIDE ANALYSIS AND DESIGN | ☐ COMPANY MANAG | EMENT | | |
| □ ENVIRONMENTAL PERMITTING | □ BUSINESS DEVELO | PMENT | | |
| ☐ TOPOGRAPHIC MAPPING | □ PROJECT PLANNIN | C AND LOST CREEK (SIDERS) DS | | |
| ☐ HYDROLOGY AND HYDRAULICS | SUPERVISION | ☐ ☐ THOMAS SUNRISE SANITATION - AML | | |
| ☐ FLOOD ASSESSMENT | Set Exvision | □ PROSPECT VALLEY HIGHWALL #4 – AML | | |
| ☐ EROSION CONTROL | | ☐ WINIFREDE (MCFANN) PORTALS - AML | | |
| ☐ STORM WATER CONTROLS | | ☐ DOUGLAS WL DESIGN – AML | | |
| ☐ SANITARY SEWER DESIGN | | ☐ CAMBRIA PORTALS & DESIGN - AML | | |
| GEOTECHNICAL ANALYSIS | | ☐ ZEBB'S CREEK HW #2 - AML | | |
| ☐ SUBSIDENCE ABATEMENT | | ☐ HAWKINBERRY HOLLOW PORTALS - | | |
| ☐ RETAINING WALL DESIGN | | AML | | |
| ☐ DAM MODIFICATIONS | | ☐ WITCHER CREEK PORTALS – AML | | |
| ☐ ANNUAL DAM INSPECTIONS | | ☐ STOWE REFUSE PILES – AML | | |
| ☐ COMMERCIAL CIVIL SITE | | ☐ RIDENOUR COMPLEX – AML | | |
| DEVELOPMENT | | ☐ LAKE (BELL) PORTALS – AML | | |
| ☐ CONSTRUCTION CONTRACT | | ☐ PINE BLUFF (WILSON) REFUSE - AML | | |
| ADMINISTRATION | | ☐ GRAFTON #4 REFUSE AND HW - AML | | |
| ADMINISTRATION | | ☐ LITTLE DAYCAMP BRANCH – AML | | |
| | | ☐ OLDHOUSE BRANCH REFUSE – AML | | |
| | | ☐ BOOTHS CREEK MINES – AML | | |
| ained a broad knowledge of most civil | engineering disciplines in | ng and a founder of Civil Tech, Mr. Pennington has volving abandoned mine lands, storm water and erosion jects involving topographic mapping, geotechnical | | |
| | | 163 AML projects, 65 dam modification projects, and | | |
| | | nington has a working knowledge of AML projects | | |
| | | shafts, burning refuse, and surface/subsurface | | |
| | | ce 2008. These projects have included; the Thomas | | |
| | | Cambria Portals, Winifrede Portals, Douglas WL, | | |
| | | e complete and all have been successfully completed | | |
| | | ruction experience gained while administering the | | |
| | | ne Assistant Project Manager on the USACE Moorefield | | |
| lood Levee Project as an employee of F | | cer, west Virginia. | | |
| DUCATION (Degree, Year, Specialization | 1) | | | |
| BSCE/1977/Civil Engineering Undergraduate Degree - WVU MSCE/1985/Soils and Foundations/WVCOG | | | | |
| EMBERSHIP IN PROFESSIONAL ORGANIZATION | 1S | REGISTRATION (Type, Year, State) | | |
| merican Society of Civil Engineers (Association of State Dam Safety Officia | | CE/1981/WV CE/1995/NC CE/1988/KY CE/1988/OH CE/2013/VA PS/1995/WV | | |
| | | | | |

| 13. PERSONAL HISTORY STATEMENT OF PR | DINCIDATE AND ACCOCIATE DECD | WOTELE EOD AMI DECTE DECT | TM (Europich complete |
|--|---|--|--|
| data but keep to essentials) | CINCIPALS AND ASSOCIATES RESPO | NSIBLE FOR AML PROJECT DESIG | M (Furnish Complete |
| NAME & TITLE (Last, First, Middle Int.) | T | YEARS OF EXPERIENCE | |
| Pennington, Jennifer E. | YEARS OF AML DESIGN EXPERIENCE: | | YEARS OF DOMESTIC |
| Vice President - Principal | | EXPERIENCE: | WATERLINE DESIGN |
| Engineer | 25 | 33 | EXPERIENCE: 0 |
| Brief Explanation of Responsibilities | | | |
| | | | |
| COMPANY RESPONSIBILTIES | | PROJECT RESPONSIBILITIES | , |
| □ COMPANY MANAGEMENT □ PROJECT PLANNING AND DIRECTION | ☐ HYDROLOGY ☐ FLOOD ASSES ☐ EROSION CON ☐ STORM WATH ☐ GEOTECHNIC ☐ RETAINING W ☐ DAM MODIFIC ☐ ANNUAL DAM | NTROL ER CONTROLS CAL ANALYSIS VALL DESIGN | |
| Ms. Pennington is a multi-discipline geotechnical engineering projects in design/rehabilitation, civil site de Engineering. While with Triad, she for the analysis of the Rock Branch design engineering associated with rZebb's Creek, Birds Creek, Oldhouse Ms. Pennington's duties and responsi geotechnical analysis, civil site de expertise in the use of HEC1, HEC2, modeling software. | nvolving subsurface investigat evelopment, storm water contro performed geotechnical analys Landslide Project in Kanawha recent AML projects including Branch, Little Daycamp, Monte ibilities at Civil Tech includesign, dam modification design Dams2, Flowmaster, Hydrocad, | tion, geotechnical analysis, ols, etc. She is a former sen sis for many AML projects and County. Ms. Pennington has Thomas Sunrise Sanitation, Pecarlo, Chaffey Run, Lost Crede planning, direction, and pon, and hydrologic/hydraulic a | dam nior engineer with Triad d was directly responsible also been responsible for Prospect Valley, Cambria, eek DS, and Booths Creek. performance of analysis. She has |
| EDUCATION (Degree, Year, Specializat | ion) | | |
| BSCE/1988/Civil Engineering Undergra | aduate Degree - University of | Kentucky | |

| MEMBERSHIP IN PROFESSIONAL ORGANIZAT | IONS | REGISTRATION (Type, Year, State) | | | |
|--|---|----------------------------------|--------------------------|--|--|
| Providence Consistence C. Cimil Province on (2007) | | CE/1992/WV | | | |
| American Society of Civil Engineers (ASCE) Association of State Dam Safety Officials (ASDSO) | | PS/1995/WV | | | |
| Association of State Dam Salety Office | CIGIS (ADDO) | 15, 1333, 114 | | | |
| 13. PERSONAL HISTORY STATEMENT OF PR | INCIPALS AND ASSOCIATES RESPO | NSIBLE FOR AML PROJECT DESIGN | (Furnish complete | | |
| data but keep to essentials) | | | , | | |
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | | | |
| | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN | YEARS OF DOMESTIC | | |
| Kessler, Robert R Geologist | 10 | EXPERIENCE: | WATERLINE DESIGN | | |
| | 12 | 20 | EXPERIENCE: | | |
| Brief Explanation of Responsibilitie | s: | | | | |
| - | | | | | |
| Mr. Kessler is responsible for all o | | | | | |
| Tech. Projects include mining subsi | | ng studies, and geologic stud | ies for more than 48 dam | | |
| modifications throughout West Virgin | ia. | | | | |
| EDUCATION (Degree, Year, Specializat | ion | | | | |
| EDUCATION (Degree, rear, Specializat. | 1011) | | | | |
| B.S Geology - 1965 - Ohio Univers | ity | | | | |
| | to 1966 - Geology - Ohio Unive | ersity | | | |
| B.S Mathematics - 1980 - Universi | | | | | |
| | | | | | |
| MEMBERSHIP IN PROFESSIONAL ORGANIZAT | IONS | REGISTRATION (Type, Year, St. | ate) | | |
| | | | | | |
| | | | | | |
| 13. PERSONAL HISTORY STATEMENT OF PR | INCIPALS AND ASSOCIATES RESPO | NSIBLE FOR AML PROJECT DESIGN | (Furnish complete | | |
| data but keep to essentials) | | | (1 | | |
| NAME & TITLE (Last, First, Middle Int.) | | YEARS OF EXPERIENCE | | | |
| | YEARS OF AML DESIGN EXPERIENCE: | YEARS OF AML RELATED DESIGN | YEARS OF DOMESTIC | | |
| Arthur, Charles D CADD Designer | | EXPERIENCE: | WATERLINE DESIGN | | |
| & Survey Crew Party Chief | 12 | 20 | EXPERIENCE: | | |
| Brief Explanation of Responsibilitie | | | 2 | | |
| | | nreparation of design drawing | s using Autocad and | | |
| Senior designer responsible for direction of other draftsmen and preparation of design drawings using Autocad and Eagle Point modeling software, survey party chief, and evaluation of mine maps and subsidence. Mr. Arthur has served | | | | | |
| as a senior designer for the following recent projects. | | | | | |
| ☐ Thomas Mine Drainage and Blowout AML Projects, Thomas, WV | | | | | |
| ☐ Prospect Valley Highwall No. 4, Shinnston, WV | | | | | |
| ☐ Winifred McFann Portals, Winifrede, Kanawha County, WV | | | | | |
| ☐ Nellis (Smith) Drainage, Nellis, WV | | | | | |
| ☐ Zebb's Creek HW#2, Barbour County, WV | | | | | |
| ☐ Cambria Portals, Harrison County, WV | | | | | |
| ☐ Hawkinberry Hollow Portals, Marion County, WV | | | | | |
| ☐ Thomas Sewer-Stormwater Segrega | ☐ Thomas Sewer-Stormwater Segregation Project, Thomas, WV | | | | |

| | There are the transfer of the |
|------------------------------|--|
| | Thomas Stormwater Improvements, Thomas, WV |
| | Nearly 40 dam modification projects throughout WV |
| | Holiday Inn Express, Mineral Wells, WV |
| | Fairfield Inn & Suites, Weirton, WV |
| | Birds Creek Portals, Preston County, WV |
| | Witcher Creek Portals, Kanawha County, WV |
| | Montecarlo Complex, Wyoming County, WV |
| | Grafton#4 Refuse and Highwall, Taylor County, WV |
| | Little Daycamp Branch, McDowell County, WV |
| | Oldhouse Branch Refuse - Wyoming County, WV |
| | Booths Creek Browning Farm Mines, Marion County, WV |
| | Rt. 49 Goolsby Landslide, Mingo County, WV |
| | Chaffey Run Strip, Tucker County, WV |
| | Monarch Portals, Kanawha County, WV |
| | Lost Creek (Siders) Dangerous Slide, Harrison County, WV |
| | rthur also performs field surveying necessary to support engineering services and develop topographic mapping red for all civil project performed by our company. |
| | TION (Degree, Year, Specialization) |
| | last Surveyor Training - May 2003 - WVDEP |
| | ter-aided Drafting/1080 hours - June 2000 - Ben Franklin Career and Tech. Ed. Ctr., Dunbar, WV |
| | |
| Weldi | ng/1,320 hours - June 1997 - Ben Franklin Career and Tech. Ed. Ctr., Dunbar, WV |
| | ng/1,320 hours - June 1997 - Ben Franklin Career and Tech. Ed. Ctr., Dunbar, WV ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA |
| | |
| Weldi | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA |
| Weldi | |
| Weldi | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML |
| Weldi 14. E | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES |
| Weldi 14. F | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES |
| Weldi 14. F Softw | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML RESIGN SERVICES Rare: |
| Weldi 14. F Softw | ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML DESIGN SERVICES VAIE: Autocad Civil3D |
| Weldi 14. F Softw | royide a list of software and equipment available in the primary office which will be used to complete and essign services Tare: Autocad Civil3D Microstation |
| Weldi 14. F Softv | royide A List of Software And Equipment Available in the primary Office Which Will be used to Complete Ambresign Services Tare: Autocad Civil3D Microstation Carlson Civil and Survey |
| Weldi 14. F Softv | ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLESIGN SERVICES PARTY OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLESIGN SERVICES PARTY OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLESIGN SERVICES PARTY OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLESIGN SERVICES PARTY OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLESIGN SERVICES PARTY OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLESIGN SERVICES PARTY OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AMLES OF SOFTWARE AND COMPLETE AMLES OF SOFTWARE A |
| Softv | ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML SESIGN SERVICES Autocad Civil3D Microstation Carlson Civil and Survey HEC-1 HEC-2 |
| Weldi 14. F Softv O O O | ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML SESIGN SERVICES Pare: Autocad Civil3D Microstation Carlson Civil and Survey HEC-1 HEC-2 HECRAS |
| Softw | roylde A List of Software And Equipment Available in the primary office which will be used to complete Ambesign Services Fare: Autocad Civil3D Microstation Carlson Civil and Survey HEC-1 HEC-2 HECRAS HEC-HMS |
| Softw | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML RESIGN SERVICES Rare: Autocad Civil3D Microstation Carlson Civil and Survey HEC-1 HEC-2 HECRAS HEC-HMS Dams2/SITES |
| Softw | ng/72 hours - Dec 1993 - Richmond Technical Center, Richmond, VA ROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED TO COMPLETE AML RESIGN SERVICES Rare: Autocad Civil3D Microstation Carlson Civil and Survey HEC-1 HEC-2 HECRAS HEC-HMS Dams2/SITES Hydrocad version 9 |

PCstable

 \square SPW911/LPILE - Wall Design Programs

 $\hfill \Box$ Word Perfect, Excel, and other office support programs.

| Equip | ment: |
|--------|---|
| | 3 4WD Pickups |
| | 1 Jeep Grand Cherokee |
| | 1 Jeep Cherokee |
| | 4 Desktop Computers |
| | 5 Laptop Computers |
| | 4 Digital Cameras |
| | 1 HP Designjet 1050C Plotter |
| | 4 HP Deskjet Printers |
| | 1 Color Laser Printer |
| | GPS and 1 Topcon Total Station & Carlson Controller |
| | 1 Leica Level |
| | Rods, prisms, tripods, targets, and survey support equipment |
| 15. CI | TRRENT ACTIVITIES ON WHICH YOUR FIRM IS THE DESIGNATED ENGINEER OF RECORD |

| PROJECT NAME, TYPE AND | NAME AND ADDRESS OF | NATURE OF YOUR FIRM'S | ESTIMATED CONSTRUCTION | PERCENT COMPLETE |
|---|--|---|--|---|
| LOCATION | OWNER | RESPONSIBILITY | COST | |
| Contract 6 - AML Projects Horner's Run Fairmont Gateway Portals, Lick Run 5, and Clarksburg Post Landslide | Mr. Joseph Lake WVDEP-AML 101 Cambridge Place Bridgeport, West Virginia 26330 | Topographic Mapping Design Permitting Bidding Construction Monitoring Contract Administration | \$ 5,000,000 to 6,000,000 (Estimated) | Varies per Project - Mapping 100% Design 50-100% Permitting 50-100% Bidding 0% Const. Monitoring 0% Contract Admin 0% |
| Chaffey Run Strip Tucker County, WV | Sheldon Holbert WVDEP-AML Bridgeport, WV | Subsurface Investigation Design Permitting Bidding Construction Assistance | \$ 2,000,000 - 3,000,000 (Estimated) | Design 90% (scope revised) Permitting 100% Bidding 0% Const. Assistance 0% |
| Bear Rocks Dams #1 and 2 Modifications | Don Bailey WVDNR Parks & Recreation Section 112 California Avenue Charleston, WV 25305 | Design Permitting Bidding Construction Monitoring Contract Administration | Est. \$ 2,000,000 | Design 100% Permitting 50% Bidding 0% Const. Assistance 10% Construction expected 2026. |
| Pendleton Run Dam Modifications | Don Bailey WVDNR - Parks and Recreation 112 California Avenue Charleston, WV 25305 | Topographic Mapping Design Permitting Bidding Construction Monitoring Contract Administration | \$ 1,000,000 (Estimated) | Mapping 100% Design 100% Permitting 40% Bidding 0% Const. Monitoring 100% Contract Admin 0% |
| United Methodist Church Dam Modifications | United Methodist Church c/o Mr. Gary M. Hartzog Alpha Engineering Services, Inc. 216 Business Street Beckley, West Virginia | Topographic Mapping Design Permitting Bidding Construction Monitoring Contract Administration | \$ 500,000 (Estimated) | Mapping 100% Design 25% Permitting 0% Bidding 0% Const. Monitoring 0% Contract Admin 0% Construction TBA |

| Lake Dredging Project Beech Fork Lake Beech Fork State Park | Brad Leslie WVDNR Parks & Recreation Section 324 Fourth Ave. South Charleston, WV 25303 | Mapping Design Permitting Bidding | | \$ 1,000,000 (Estimated) | Mapping 100% Design 100% Permitting 100% Bidding 0% Const. Monitoring 0% Contract Admin 0% Construction expected 2021-2024 | | | |
|---|--|--|-------------|--------------------------|--|--|--|--|
| Camp Caesar Dam Modifications | Mr. Eric J. Coberly, PE E.L. Robinson Engineering Inc. 5088 Washington St. West Charleston, WV 25313 | Topographic Mosign Permitting Bidding Construction Contract Admi | Monitoring | \$ 500,000 (Estimated) | Mapping 100% Design 50% Permitting 0% Bidding 0% Const. Monitoring 0% Contract Admin 0% | | | |
| TOTAL NUMBER OF PROJEC | CTS: Ten | 1 | TOTAL ESTIM | ATED CONSTRUCTION COSTS | : \$ 14,000,000 | | | |

| AND LOCATION Six Dam Modifications Rollins 1 and 2 Fairfax Pond MS Lake Access Improvements Grant County, WV | | Section 324 Fourth Av | ve. | 1,000,000 | 2023 | YES |
|--|--|--------------------------|---|----------------------------------|------------------------------|----------------------------|
| | | Section 324 Fourth Av | ∕e. | 2,000,000 | 2022 | YES |
| PROJECT NAME, TY AND LOCATION | PE | | | ESTIMATED CONSTRUCT: COST | ION YEAR | CONSTRUCTED (YES OR NO) |
| AND LOCATION 7. COMPLETED WORK W | COMPLETED WORK WITHIN LAST 5 YEARS ON WHICH YOUR PROJECT NAME, TYPE AND LOCATION Dam Modifications lins 1 and 2 rfax Pond Cake Access Covements Grant RESPONSIBILITY OF OWNER NAME AND ADDRESS OF OWNER Brad Leslie WVDNR Parks & Recreation Section 324 Fourth Ave. South Charleston, WV 25300 Brad Leslie WVDNR Parks & Recreation Section Section Section | OF OWNER | COMPLETION DATE WAS THE DESIGNATED ENG | ENTIRE PROJECT SINEER OF RECORD | YOUR FIRMS RESPONSIBILITY | |
| PROJECT NAME, TYPE | NATU | RE OF FIRMS | NAME AND ADDRESS | ESTIMATED | ESTIMATED | CONSTRUCTION COST |

| Winfield Water Supply Dam Modifications | Mr. Gary Young G&G Builders 135 Corporate Center Drive Teays Valley, WV 25526 | \$250,00 | 0 | 2022 | YES |
|--|---|-----------|--------------|--------------------------|-----|
| Dickinson & Brood Pond Dam Modifications FMC Sportsman's Club Hurricane, WV | Mr. James Pringle FMC Sportsman's Club Hurricane, WV | \$300,000 | | 2022 | YES |
| TOTAL NUMBER OF PROJECT | r's: | | TOTAL ESTIMA | ATED CONSTRUCTION COSTS: | \$ |

| 16. CURRENT ACTIVITY | ES ON | WHICH YOUR FI | RM IS SERVING AS A | A SUB-CONSULTANT TO OTH | HERS Non | e | | | | |
|--|-------|--|---|---|-----------------|-----------------------------|------------------------------|--|--|--|
| • | | RE OF FIRMS ONSIBILITY | NAME AND ADDRES | S ESTIMATED COMPLETION DATE | | ESTIMATED CONSTRUCTION COST | | | | |
| | | | | | ENTIF | RE PROJECT | YOUR FIRMS RESPONSIBILITY | | | |
| 17. COMPLETED WORK W PROJECT NAME, TY AND LOCATION | | NAME A | ON WHICH YOUR FIRM AND ADDRESS FOWNER | 1 WAS THE DESIGNATED EN ESTIMATED CONSTRUCT COST | | F RECORD YEAR | CONSTRUCTED (YES OR NO) | | | |
| AND LOCATION Fords Run Drainage and Flatbush Highwall Projects (Group C) | | Mr. Troy H. Schell, PE WVDEP-AML 101 Cambridge Place Bridgeport, West Virginia 26330 | | \$ 2,000,000 (Fords Run) \$ 1,000,000 (Flatbush) | | 2023 | UNDER CONSTRUCTION | | | |
| Lake Bell Portals Kanawha County, WV | | Jonathan Holbe WVDEP-AML Charleston, WV | | Design Permitting Bidding Construction Assistance | | 2019 | YES | | | |

| Blue Knob Complex Project | Mr. Mark Proctor, PE WVDEP-AML 601 57th Street SE Charleston, West Virginia 25304 | Design Permitting Bidding Contract Administration \$500,000 | 2024 | Under Construction |
|--|--|--|------|--------------------|
| MM16 Culvert Collapse Repair North Bend Rail Trail Wirt County, WV | Mark Proctor WVDNR Parks & Recreation Section 324 Fourth Ave. South Charleston, WV 25303 | Design Permitting Bidding Construction Monitoring \$ 160,000 | 2019 | YES |
| Cacapon Dam Modifications - Park and Reservoir Dams | Mr. Brad Leslie WVDNR Parks and Recreation Section 324 4 th Avenue South Charleston, WV | \$ 1,700,000 | 2017 | YES |
| MM32 Culvert Collapse Repair North Bend Rail Trail Wirt County, WV | Mark Proctor WVDNR Parks & Recreation Section 324 Fourth Ave. South Charleston, WV 25303 | Design Permitting Bidding Construction Monitoring \$ 200,000 | 2021 | YES |
| Culloden PSD Dam Modification Reduction Below Jurisdiction Culloden, WV | Mr. Brian Tucker WV American Water Charleston, WV | \$ 500,000 | 2017 | YES |
| Booths Creek(Browning Farm) Mines Marion County, WV | Gregg Smith WVDEP-AML Bridgeport, WV | \$ 750,000 (Estimated) | 2017 | YES |
| Grafton #4 Refuse & HW Taylor County, WV | Gregg Smith WVDEP-AML Bridgeport, WV | \$ 750,000 (Estimated) | 2016 | YES |
| Oldhouse Branch Refuse Piles Wyoming County, WV | Mark Proctor WVDEP-AML Oak Hill, WV | \$ 750,000 (Estimated) | 2017 | YES |
| Erosion and Landslide Repairs North Bend Rail Trail | Mr. Brad Leslie WVDNR Parks and Recreation Section 324 4th Avenue South Charleston, WV | \$ 200,000 | 2016 | YES |

| Erosion and Landslide | Mr. Brad Leslie | \$ 200,000 | 2016 | YES |
|---------------------------------------|--------------------------------|---|-----------------------|-----------------|
| Repairs | WVDNR | | | |
| Greenbrier River Trail | Parks and Recreation Section | | | |
| | 324 4 th Avenue | | | |
| | South Charleston, WV | | | |
| Railroad Embankment Repair | Mr. Evan Katzke | \$ 1,500,000 | 2013 | YES |
| McGuire Nuclear Station | Duke Power | , | | |
| Huntersville, NC | McGuire Nuclear Station | | | |
| | Huntersville, NC | | | |
| Stowe Refuse Piles | Roger Earle | \$ 750,000 | 2013 | YES |
| Logan County, WV | WVDEP - AML | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | - |
| | Charleston, WV | | | |
| | | | | |
| Ridenour Complex | Gregg Smith | \$ 250,000 | 2013 | YES |
| Monongalia County, WV | WVDEP-AML | | | |
| | Bridgeport, WV | | | |
| | | 4 050 000 | 0010 | |
| Braeholm (Evans) Portals and Drainage | Roger Earle WVDEP - AML | \$ 250,000 | 2013 | YES |
| Logan County, WV | Charleston, WV | | | |
| Logan County, wv | Charleston, wv | | | |
| Douglas Waterline Extension | Jonathan Holbert | \$ 250,000 | 2013 | YES |
| Tucker County, WV | WVDEP-AML | | | |
| <u>.</u> . | Charleston, WV | | | |
| | | | | |
| 18. COMPLETED WORK WITHIN | LAST 5 YEARS ON WHICH YOUR FIR | M HAC DEEN A CUD_CONCULTAN | IM MO OMITED EIDMC /: | INDICAME DILACE |

| 18. COMPLETED WORK WITHIN | N LAST 5 YEARS ON WHICH YO | OUR FIRM HAS BEEN A SUB-CONSULTA | ANT TO OT | HER FIRMS (INDI | CATE PHASE |
|---------------------------|----------------------------|----------------------------------|-----------|-----------------|-----------------|
| OF WORK FOR WHICH YO | OUR FIRM WAS RESPONSIBLE) | None | | | |
| PROJECT NAME, TYPE | NAME AND ADDRESS | ESTIMATED CONSTRUCTION COST | YEAR | CONSTRUCTED | FIRM ASSOCIATED |
| AND LOCATION | OF OWNER | OF YOUR FIRM'S PORTION | | (YES OR NO) | WITH |
| | | | | | |
| | | | | | |
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| | | | | | |

^{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. Civil Tech provides engineering services to wide range of clients including, the Bridgeport, Charleston, and Fayetteville Offices of the WVDEP-AML, the City of Thomas, City of Bridgeport, NewPage Corporation, Mt. Top PSD, Dominion Generation - Mt. Storm & North Branch Power Stations, Duke Power, Huntersville, NC, WVDNR Parks and Wildlife Sections, American Electric Power - John Amos Plant, WV American Water, and other private concerns and contractors. Current and recent AML projects include AMD, Highwall Reclamation, Portals, Subsidence Abatement, landslides, and a waterline extension. Our experience with impoundments, dam breach/reclamation, civil site design, infrastructure, & site grading combined with our AML experience and environmental/permitting knowledge makes our firm most qualified for AML Design Projects.

| 20. The foregoing is a statement of facts. | | |
|--|------------------|-----------------------|
| Mus Z | | Date: August 20, 2025 |
| Signature: | Title: President | |
| Printed Name: Mark E. Pennington | | |

| AML and RELATED PR | OJECT E | XPERIENC | CE MAT | RIX | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------------------------------|--|---------------------------------------|------------------------------------|----------------------|--------------------------------------|---------------------|-------------------------------|---|-----------------------------|------------------------|--|---|-----------------|----------------------------------|--------------------|------------------------|-----------------|----------------------|------------|--------------------|----------------------|----------|
| | | | | | | | PF | ROJECT | EXPER | RIENCE | REQUI | REMEN | | | | | | PRII | MARY STA *** M=Ma | | | N/CAPA(fessional | ;ITY |
| PROJECT | Exp. Basis C=Corp. P=Personal | Additional Info Provided in Section (s) | 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/Nitigation/ Replacement | Construction Inspection/Manageme nt | Water Treatment | Eq; uipment/Structure Removal | Stream Restoration | Geotechnical/Stability | Mark Pennington | Jennifer Pennington | Neal Craig | Charles Arthur Jr. | H. Thomas Brown | |
| Flatbush Highwall Project | С | Α | | X | X | X | | | | | X | | | | | | | M/P | Р | | Р | | |
| Fords Run Drainage Project | С | Α | | X | X | X | | | | | X | | | | | | X | M/P | Р | | Р | Р | |
| lue Knob Complex Project | С | Α | X | X | X | X | | | | | X | | | | | | X | M/P | Р | Р | Р | Р | |
| Fairmont Gateway Portals | С | Α | | X | X | X | | | | | X | | | | | | | M/P | Р | Р | Р | Р | |
| Lick Run Drainage Project | С | Α | | X | X | X | | | | | X | | | | | | | M/P | Р | Р | Р | Р | |
| Horner's Run Project | С | Α | | X | X | Х | | | | | X | | | | | | X | M/P | Р | Р | Р | Р | |
| Clarksburg Landslide Project | С | Α | | X | X | X | | | | | X | | | | | | X | M/P | Р | Р | Р | Р | |
| omen's Club Fairmont subsidence | С | Α | X | X | | X | | | Х | | X | | | | | | X | M/P | Р | Р | Р | Р | |
| est Creek Dangerous andslide | С | Α | | X | | X | | | | | X | | | | | | | M/P | Р | Р | Р | Р | |
| haffey Run Strip | С | Α | X | X | X | X | | | X | | X | | | | | | X | M/P | Р | Р | Р | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | S] | EE- | NE | XT | PA | GE | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | X | | 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.

| AML and RELATED PR | OJECT E | XPERIENC | E MAT | RIX | | | | | | | | | | | | | | | | | | | |
|--|-------------------------------------|---------------------------------|---------------------------------------|------------------------------------|----------------------|--------------------------------------|---------------------|-------------------------------|---|-----------------------------|------------------------|---|---|-----------------|---------------------------------|--------------------|------------------------|-----------------|---------------------|----------------|--------------------|-----------------|--|
| | | PROJECT EXPERIENCE REQUIREMENTS | | | | | | | | | | PRIMARY STAFF PARTICIPATION/CAPACITY *** M=Management P=Professional | | | | | | | | | | | |
| PROJECT | Exp. Basis C=Corp. P=Personal | C=Corp. Provided in | 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/Nitigation/ Replacement | Construction Inspection/Manageme nt | Water Treatment | Eq;uipment/Structure Removal | Stream Restoration | Geotechnical/Stability | Mark Pennington | Jennifer Pennington | Robert Kessler | Charles Arthur Jr. | H. Thomas Brown | |
| Flatbush | С | Α | | X | | X | | | | | X | | X | | | | | M/P | Р | | Р | | |
| Thomas Sunrise Sanitation Mine Blowout | С | Α | | Х | X | Х | | | | | Х | | Х | | | | Х | M/P | Р | | Р | Р | |
| Prospect Valley Highwall #4 | С | Α | X | Х | X | X | | | | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Winifred (McFann) Portals | С | Α | | X | X | X | | | | | X | | X | | | | | M/P | Р | Р | Р | Р | |
| Douglas WL Extension | С | Α | | | | | | | | | Х | X | X | | | | | M/P | Р | Р | Р | Р | |
| Pines CC Subsidence | С | Α | | | | X | | | X | | X | X | X | | | | X | M/P | Р | Р | Р | Р | |
| Cambria Portals & Drainage | С | Α | | X | X | X | | | | | X | X | X | | | | X | M/P | Р | Р | Р | Р | |
| Zebbs Creek HW#2 | С | Α | X | | | X | | | | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Nellis (Smith) Drainage | С | Α | | | | X | | | | | X | | X | | | | | M/P | Р | Р | Р | Р | |
| Hawkinberry Hollow | С | Α | X | X | X | X | | | X | | X | X | X | | | | | M/P | Р | Р | Р | Р | |
| Birds Creek Portals | С | Α | X | X | X | X | | | | | X | X | X | | | | X | M/P | Р | Р | Р | Р | |
| Stowe Refuse Piles | С | Α | X | X | | X | | | | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Ridenour Complex | С | Α | X | X | X | X | | | X | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Breaholm (Evans) Portals | С | Α | X | X | X | X | | | | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Witcher Creek Portals | С | Α | X | X | X | X | | | | | X | X | X | | X | X | X | M/P | Р | Р | Р | Р | |
| Turner Slide | Р | Α | X | X | | X | | | | | X | | | | | | X | M/P | Р | | | | |
| Montecarlo Complex | С | Α | X | X | X | X | | | X | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Grafton #4 Refuse and HW | С | Α | X | X | X | X | | | X | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Little Daycamp Branch | С | Α | X | X | X | X | | | | | X | | X | | | | X | M/P | Р | Р | Р | Р | |
| Oldhouse Branch | С | Α | X | X | X | X | | | | | X | | | | Х | | X | M/P | Р | Р | Р | | |
| Booths Creek Mines | С | Α | | X | X | X | | | X | | X | | | | X | | X | M/P | Р | Р | Р | | |
| Lake Bell Portals | С | Α | X | X | X | X | | | | | X | | X | | | | X | M/P | Р | Р | Р | | |

^{*} 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.

Office of Surface Mining Reclamation and Enforcement Instructions for Completing the AML Contractor Form OMB #1029-0119

Purpose: The Office of Surface Mining Reclamation and Enforcement Applicant/Violator System (AVS) office is required to conduct eligibility checks for businesses performing abandoned mine land (AML) reclamation work to ensure those businesses are not associated with any coal mining violations in accordance with the Surface Mining Control and Reclamation Act (SMCRA). This form is used to update the AVS database which maintains relationship information between individuals and their associated businesses. If you have any questions, please contact the AVS Office at 800-643-9748.

Part A: General Information: Part A should be completed by the AML Contractor. You can find an electronic fillable form on our website (https://www.osmre.gov/programs/regulating-coal-mines/avs).

Part B: Obtain an Organizational Family Tree (OFT): Part B should be completed by the AML Contractor. An Organizational Family Tree (OFT) indicates the relationships between individuals and their associated business.

You can obtain an OFT two ways:

- 1. Call the AVS Office at 800-643-9748 to request your company's OFT.
- 2. Go to the AVS website (https://avss.osmre.gov). Click "Access AVS", and then "Login as Guest". Place your cursor on the "Entity" Module and click. Type your business name (or entity number) in search box and press enter. Select your company and then click on the "Relationship" tab to display your Entity OFT information. Print the Entity OFT from AVS. Review the OFT, if you need to make updates complete Part D. Attach the OFT to your AML Contractor Form.

<u>If you are a new company or this is your first AML bid</u>: Your business is most likely **not** in the AVS. If your company does not appear in the AVS database, move on to Part C, check Box 3, and complete Part D of this form.

<u>If your company has worked on previous AML projects or in the coal mining industry:</u> Your business is most likely in the AVS, but may need to be updated. Obtain and review your OFT and then complete Part C.

Part C: Certifying and updating information in the Applicant/Violator System (AVS). Part C should be completed by the AML Contractor. Please check the box that best describes your situation, sign and date.

Note: Signature date must be recent (within 30 days) to be considered.

Part D: OFT Information. Part D should be completed by the AML Contractor **only** if you want to make updates to what information is in the AVS, or if your company **does not** have any information in the AVS. Include **all** fields, including the relevant begin and/or end dates for individuals, including middle name or initial for individuals if possible.

Answers to Part D FAQs:

Which employees should be included in Part D?

Any current or separated employee of significance should be listed. Refer to the list provided at the top of Part D. For those owning less than 10% reporting the ownership is optional. Include those employees who direct, manage, or control the project. If, for example, a Professional Engineer has the power to determine how the project is conducted you should include him/her on Part D.

What address and phone number should I use?

Use the address and phone number where the person receives business correspondence.

What are the begin and end dates for?

Begin dates indicate when a person started in that position in your company. If an individual still works at the company you can simply fill in the begin date and leave the end date blank or write "N/A". **End dates** are used for indicating that someone no longer works in that capacity or is no longer employed at the company. **If an employee has held more than one position** or title, note the begin dates/end dates for each position.

ABANDONED MINE LANDS (AML) CONTRACTOR INFORMATION FORM

You must complete this form for your AML contracting officer to request an eligibility evaluation from the Office of Surface Mining Reclamation and Enforcement (OSMRE) to determine if you are eligible to receive an AML contract. This requirement can be found under OSMRE's regulations at 30 CFR 874.16. **NOTE:** This form must be signed and **dated within 30 days** of submission to be considered for a current bid.

Part A: General Information

| Business Name: | Civil Tech Engineering | g. Inc. | |
|----------------------------|---|---|---|
| Tax ID #: | 55-0757403 | | |
| Address: | 300A Prestige Drive | | |
| City, State, & Zip: | Hurricane, West Virgi | nia, 25526 | |
| Phone Number: | 304-757-8094 | | |
| Email Address: | civiltech1@frontier.c | om | |
| Part B: Obtain an (| Organizational Family T | Tree (OFT) from the A | pplicant Violator System (AVS) |
| If you plan to certify | the existing AVS inform | ation or submit undates | s under Part C, you must include an OFT. |
| Instructions for dow | nloading an OFT from the | e AVS can be found at: | https://www.osmre.gov/sites/default/ |
| files/2022-02/OMB9 | %201029-0119%20instruc | ctions ndf If you requir | e assistance you may contact the AVS |
| Office by phone at: 8 | 300-643-9748, or by emai | il at: avshelp@osmre.go | ov. |
| | | | |
| Part C: Certifying a | and updating informatio | on in the AVS | |
| ~ . | | | |
| Select one of the opt | ions, follow the instruction | ns for the selected optic | on, sign, and date below. |
| | | | |
| | | | |
| Mark E. Penn | ington, PE | , have exp | oress authority to certify that: |
| | Name) | | <i>j</i> |
| | | | |
| 1. Our busines this option | s is listed in the AVS. The n, you must attach an Enti | e information is accurat ty OFT from the AVS t | te, complete, and up to date. (If you select to this form). Do not complete Part D. |
| 2. Our busines attach an I | | | ated. (If you select this option, you must be Part D to provide the missing or |
| | | | |
| 3. Our business the inform | s is not listed in the AVS. ation. | The information needs | to be added. Complete Part D to provide |



AVS OFT Report - 8/7/2025 12:53:52 PM

All OFT's where the selected entity is listed as an entity or related entity Entity Selected (264454) Civil Tech Engineering Inc

| Parent Entity | Relationship | Description | Related Entity | % Ownership | Begin Date | End Date |
|-------------------------------------|--------------|-------------|----------------------------|-------------|-------------------|----------|
| (264454) Civil Tech Engineering Inc | President | | (264455) Mark E Pennington | | 2/1/1996 | |
| (264454) Civil Tech Engineering Inc | Shareholder | | (264455) Mark E Pennington | 100% | 2/1/1996 | |

Part D: OFT Information

| Contractor's Business Name: | |
|-----------------------------|--|
| | |

If the current Entity OFT information for your business is incomplete in the AVS, or if there is no information in the AVS for your business, you must provide all of the following information as it applies to your business. Please include additional copies of this page if the space below is not sufficient to capture all information.

- Every officer (President, Vice President, Secretary, Treasurer, etc.);
- All Directors, Partners, and Members;
- All persons performing a function similar to a Director;
- Every person or business that owns 10% or more of the voting stock in your business;
- Any other person(s) who has the ability to determine the manner in which the AML reclamation project is being conducted.
- Please list an end date for any person who is no longer with your business.

| Name: | Name: | |
|-------------------|-------------------|--|
| Address: | Address: | |
| City, State, Zip: | City, State, Zip: | |
| Begin Date: | Davin Data | |
| End Date: | F 1D 4 | |
| % Ownership: | | |
| Position/Title: | | |
| Phone Number: | | |
| Name: | Name: | |
| Address: | Address: | |
| City, State, Zip: | | |
| Begin Date: | D. C. D. A. | |
| End Date: | End Date: | |
| % Ownership: | 0/ 01: | |
| Position/Title: | D '.' /T'.1 | |
| Phone Number: | Phone Number: | |

PAPERWORK REDUCTION STATEMENT

The Paperwork Reduction Act of 1995 (44 U.S.C 3501) requires us to inform you that: Federal Agencies may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a current valid OMB control number. This information is necessary for all successful bidders prior to the distribution of AML funds, and is required to obtain a benefit.

Public reporting burden for this form is estimated to range from 15 minutes to one hour, with an average of 30 minutes per response, including time for reviewing instructions, gather and maintaining data, and completing and reviewing the form. You may direct comments regarding the burden estimate or any other aspect of this form to the Information Collection Clearance Officer, Office of Surface Mining Reclamation and Enforcement, 1849 C Street, NW, Room 4559, Washington, DC 20240.

SECTION 3 – PROJECT SPECIFICATIONS

1. **Background:** The WVDEP/AML Program is soliciting Consultant Firms to provide "full service" A/E planning, realty, design, and construction oversight. Firms are to be licensed Architectural/Engineering Firms (A/E) in the State of West Virginia and either the firm or its sub-contractors within a given field must have a successful track record of permitting and designing reclamation projects, reality, and construction inspection. The anticipated contract (s) will be advertised once the prequalified vendors are determined and will be for "full service" A/E planning, realty, design, and construction oversight. This solicitation is only for the purpose of prequalifying vendors. No specific project will be awarded from this solicitation.

The expectation is the successful prequalified A/E firm(s) will be able to call upon a team of professionals for each discipline, whether internal or subcontracted, that can provide each discipline's deliverables with a minimum of supervision. The expectation is that the successful prequalified A/E firm will be providing a schedule, tracking work to that schedule, and providing regular updates as to progress with a minimum of State oversight.

PLEASE REFER TO ATTACHED SECTION A – AML EXPERIENCE

- **2. Project and Goals:** The project and goals outlined in the EOI documents will be achieved by our firm as evidenced by our work described below on recent Contract 6 Projects:
 - 1. Fairmont Gateway Portals: The design drawings on this project have been 100% approved and all permits have been obtained. This project is planned to begin construction in fall 2025. The project design and permitting has been completed on-time and within budget.
 - 2. Lick Run 5: The design drawings on this project have been 100% approved and all permits have been obtained. CROE are complete. One property owner is to be policed by AML. This project is planned to begin construction in 2026. The project has been completed on-time and within budget.
 - 3. Horner's Run: We have received final comments from AML and anticipate having final drawings and specifications complete within the next 30 days. The project has been approved and OSM has issued ATP. We are working on CROE. We plan to submit the construction stormwater permit within the next two weeks. We anticipate construction will occur in 2026.

4. Clarksburg (Post) Landslide: We are currently finalizing preliminary design drawings for this project. This project includes two landslides that are in the vicinity of private homes, and underground utilities. Evaluation of possible remediation options has been extensive and we are committed to determining the best option that will mitigate the risk of future slope instability, while minimizing disruption to the land owners and utility damage during construction.

Please refer to Attached Sections A and B for a complete description of our AML Experience, Staff, and Other Experience.

3. Contract Services Deliverables: Once Prequalified, The Agency expects firms to:

• Adhere to established schedules for project initiation, deliverables, and completion.

This will be achieved as evidenced by our past AML projects that have all been performed in accordance to schedule.

• Be responsive to funding and compliance timelines under the Infrastructure Investment and Jobs Act (IIJA) and the Surface Mining Control and Reclamation Act (SMCRA).

This will be performed as required.

• Coordinate effectively with Agency staff, subcontractors, and permitting authorities to avoid delays.

We believe communication with Agency staff, subcontractors, and permitting authorities is paramount to project success and is always prioritized at our firm. We are located conveniently in Hurricane, WV near AML offices and are always willing to meet, conference call, and/or visit the project sites to ensure the Agency requirements and vision for our projects is met and adhered to.

- Proactively identify risks and propose mitigation strategies to stay on track. Firms must include but not limited to the following documentation in each prequalification response:
- A description of their project management approach and internal systems used to ensure timely performance;
- Examples of past AML or similar projects completed on time, including key deadlines met.
- A summary of personnel availability and resource planning to meet overlapping or expedited deadlines;
- A plan for communication, progress tracking, and prompt issue resolution.

Please see below:

A. Design and Contract Administration Team

Key Personnel: Mark E. Pennington MS, PE, PLS

Jennifer E. Pennington PE, PLS

Staff: Mark E. Pennington PE - Principal in Charge

Jennifer E. Pennington PE - Principal in Charge

Robert Kessler - Senior Geologist Jack Pennington - Geologist

Charles Arthur Jr. – Senior Designer -- CADD/Survey/Inspection

H. Neal Craig – Designer -- CADD/Survey/Inspection Scott Brown – Construction Manager and Inspector

We use Decota Consulting for all environmental services and we have worked well with Decota as part of our project team for our ongoing AML and WVDNR projects. In addition to Environmental, Decota will also provide assistance with Realty Services. This is the same design team responsible for all 30 of our past AML projects. Our team knows how to put together a successful project and stay on schedule and within budget throughout the design and construction process.

B. Procedure for Communication

The principals of our firm have a strong working relationship with AML personnel that we have developed over the last 20 years. We have worked closely with all members of the WVDEP - AML Division on projects throughout the state. This vast experience allows our company to work with the agency as part of the project team, and develop plans and specifications which are practical and require minor changes after AML completes its review.

During the construction contract administration process, our firm will continue to maintain close communication with the Owner to ensure continued project quality. Our general approach to communicating with AML is summarized below:

- 1. Initial Meeting/Discussion: New projects are discussed with AML personnel onsite if required prior to beginning work to develop an understanding of the history of the project, and AML concerns to develop a scope of work necessary to gain approval of the project with minimal revisions.
- **2. File Review:** A complete review of records maintained by the AML is conducted by our engineer.

- **3. Ongoing Review and Consultation:** Results of investigation and engineering analysis are submitted to AML as required at each completion stage of the project to expedite the review process.
- **4. Reports:** Progress reports are prepared monthly and submitted with invoicing to keep AML informed of any issues which have arisen and the progress achieved during the month.
- 5. Regular Meetings with AML: Meetings are conducted throughout the design and construction process to discuss findings, consult with AML personnel, and obtain direction. In addition, our engineers are always available by phone or email to discuss any aspect of the project or concerns AML may have as the project progresses. Prompt reply to questions is a priority of our engineers to ensure AML's concerns and requirements are incorporated in the design process. Due to our close proximity to the AML office, we are also available for impromptu meetings as required to resolve any issues or concerns that could affect the project design, schedule, and/or budget. This approach has served us well on all past AML projects.

C. Budget and Schedule

- 1. **General:** Civil Tech has a history of completing AML and other projects on time and within budget. Engineering and Construction Cost Estimates are reviewed and compared to budget at each milestone (Phase) as follows:
 - Schematic Design Phase
 - Design Development Phase
 - Construction Document Phase
 - Bidding/Negotiation
 - Construction*

*Contractor applications for payment are also reviewed and approved monthly and tabulated for comparison with the budget so that construction cost and cost over-runs are controlled. As-built drawings will be required for submission with monthly pay applications submitted by the contractor to verify costs and that the project is being constructed in accordance with the approved plans and specifications as the work is completed.

2. **Proposed Schedule:** Our firm will dedicate the resources and personnel to ensure all projects are completed within the required time frame. Considering our past knowledge with AML rehabilitation projects, we can perform the projects efficiently and within the required schedule.

D. Contract Administration:

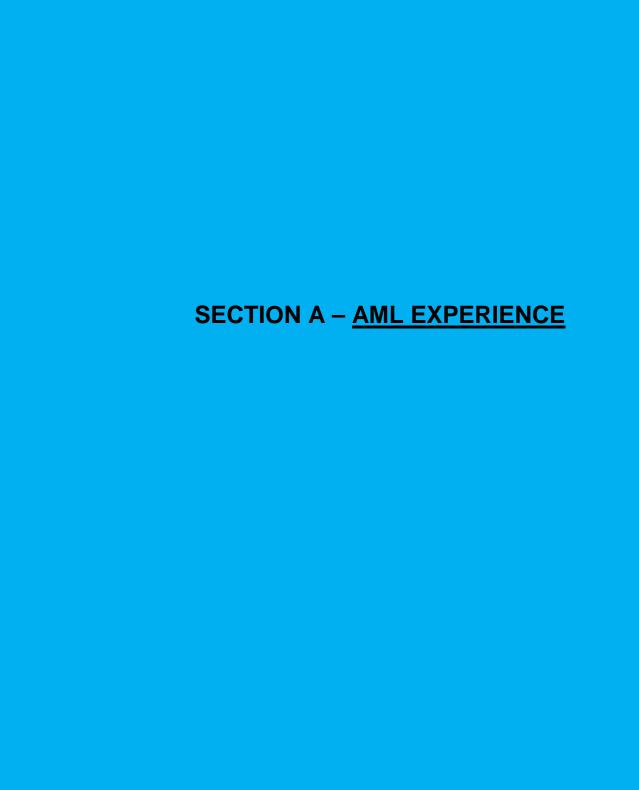
The project manager (Mark Pennington) will make routine site visits during construction and will provide ongoing consultation to address issues as they arise to enforce the project plans and specifications and avoid cost over-runs.

Monthly construction summaries including submittals, inspection reports, and laboratory test results will be prepared by our engineer as required by AML. We will provide an experienced resident technician to provide full time construction monitoring to document construction and serve as our site representative.

As-built drawings will be required for submission with monthly pay applications submitted by the contractor to verify costs and that the project is being constructed in accordance with the approved plans and specifications as the work is completed. Priority attention to AML projects will reduce the risk of cost over-runs and improper construction so that the project can be certified at the completion of construction.

4. Qualifications, Experience, and Past Performance:

<u>Please refer to Attached Sections A and B for a complete description of our AML</u> Experience, Staff, and Other Experience.



1.

SECTION A - ABANDONED MINE LANDS EXPERIENCE

| | WVDEP, and BRIM on abandoned mine lands projects including: Subsidence, Landslides, Mine Drainage |
|---|---|
| | Mine and Refuse Fires, Mine Shafts, Water Impoundments, and Pollution of Ground and Surface Water. Recent AML Projects performed for the WVDEP AML&R Offices located in Bridgeport, |
| | Fayetteville, and Charleston, WV include: |
| | Thomas (Sunrise Sanitation) Mine Drainage Project (DEP14171). Complete June, 2010. |
| | Thomas Sunrise Sanitation Mine Blowout (Emergency Project). Complete Spring, 2009. |
| | Prospect Valley Highwall #4 (DEP 14433). Complete 2011. |
| | Winifrede (McFann) Portals (DEP 14479). Complete 2011. |
| | Pines County Club (Ponds) Subsidence (DEP14633). Preliminary Design – Project Cancelled. |
| | |
| | • |
| | Birds Creek Portals (DEP 15065). Construction complete 2012. |
| | Nellis (Smith) Drainage (DEP15002). Construction complete 2012 |
| | Zebb's Creek Highwall #2 (DEP14991). Construction complete 2011. |
| | Hawkinberry Hollow Portals and Drainage (DEP 15220). Construction complete 2012. |
| | Stowe Refuse Piles (DEP15586). Construction Complete 2014. |
| | Witcher Creek Portals and Refuse (DEP15601). Construction Complete 2014. |
| | Ridenour Complex (DEP15598). Construction complete 2013. |
| | Braeholm (Evans) Portals & Drainage (DEP15634). Construction complete 2013. |
| | Montecarlo Complex (DEP16032). Complete through bidding 2014 Cancelled after bidding. |
| | Grafton #4 Refuse & Highwall (DEP16073) – Construction Complete. |
| | Little Daycamp Project (DEP16033) – Construction Complete 2015 |
| | Oldhouse Branch Refuse (DEP16395) - Construction Complete |
| | Booths Creek Browning Farm Mines (DEP16430) – Construction Complete |
| | Rt. 49 (Goolsby) Landslide (Emergency Project) – Construction Complete |
| | Monarch Portals – Construction Complete |
| | Chaffey Run Strip – Construction Anticipated 2021 |
| | Lake Bell Portals – Construction Complete 2019 |
| Ц | Pine Bluff (Wilson) Refuse – Design Complete, Permitting Underway – Construction Complete |
| _ | 2020 |
| Ч | Blue Knob, Flatbush, and Fords Run Projects Design and Permitting Complete and |
| | Construction Ongoing. |
| | |
| | Principals of Civil Tech were responsible for planning, performing, and |
| | managing past AML work performed by Triad prior to February of 1996: Prior to |
| | forming Civil Tech, Mark Pennington managed the branch office of Triad Engineering in St. Albans, West Virginia. Jennifer Pennington was a senior engineer in that office. While employed by Triad, our principals were responsible for the performance and/or management of virtually all AML projects |
| | performed until February of 1996 when we resigned from Triad. A total of approximately 137 |
| | AML projects were completed during the period of 1990 to early 1996. |
| | 3. Civil Tech Mine Subsidence Determinations: Our corporate AML experience is |
| | detailed on the condensed CCOO forms. Our mount communication includes association of atmost and |

More than 50 years combined experience with AML Projects: The principals of

- 3. **Civil Tech Mine Subsidence Determinations:** Our corporate AML experience is detailed on the enclosed CCQQ forms. Our recent corporate experience includes examination of structures to determine cause of damage and mining relatedness. We have performed these mine subsidence determinations using information on file with the WVGS, and with the assistance of AML personnel and records. Services have been provided for insurance companies and BRIM.
- 4. Civil Tech has demonstrated experience and professional capability in all aspects of engineering and support services required to successfully complete AML

Projects. Since forming Civil Tech, our staff has successfully completed nearly 2000 projects. Services provided have included: surveying and mapping, subsurface investigations, laboratory analysis,

Statement of Qualifications Civil Tech Engineering, Inc. Last Revised August 2025

Typical Projects included:

geotechnical engineering, structural design and assessment, environmental engineering, sewer & stormwater projects, land use/planning, reclamation, hydraulic/hydrologic studies, flood routing, dam break analysis and risk assessment, design engineering, plans, specifications, bidding, contract administration, and construction monitoring. See enclosed CCQQ forms for Civil Tech Engineering, Inc. and Sections B.1 thru B.4.

5. As highlighted in this submittal, our experience with the design of civil infrastructure and dam design combined with our AML experience makes our company uniquely qualified for AML Design Projects.

A partial listing of AML experience gained while employed by Triad during 1990 to 1996 is presented in this submittal along with other related projects which include photographs to showcase our capability to provide services for AML projects.

| | AML Projects Performed in 1990 |
|--------|--|
| | Approximately 20 projects were completed. |
| | These projects included: mine drainage, subsidence, and landslides. |
| | Typical Projects included: |
| Carbo | ondale Portals, Smithers, WV |
| < | AML Representative: Neil Robinson |
| < | Services Provided: Drilling, Sampling, Engineering |
| Tupp | ers Creek (Burford) Landslide, Kanawha Co., WV |
| < | AML Representative: Michael Richardson |
| < | Services Provided: Surveying, Mapping, Drilling, Stability Analysis, Mine Drainage Control, Mine Seals, Plans, Specifications, Bidding Assistance. |
| | AML Projects Performed in 1991 |
| | Approximately 20 projects were completed. |
| | These projects included: landslides, mine shafts, subsidence, mine and refuse |
| | fires, and mine drainage. |
| | Typical Projects included: |
| Pine (| Creek Mine Shaft, Logan Co., WV |
| < | Work Performed for AML |
| < | Services Provided: Surveying, Mapping, Drilling, Plans, Specifications, Bidding Assistance. |
| Mona | wille School Subsidence Determination, Logan Co., WV |
| < | Work Performed for AML |
| < | Services Provided: Drilling and Engineering |
| | AML Projects Performed in 1992 |
| | Approximately 25 projects were completed. |
| | These projects included: landslides, subsidence, mine shafts, refuse fires, and |
| | mine drainage. |

McMillian Drainage, Davis Creek, Kanawha Co., WV

- < Work Performed for AML
- Services Provided: Surveying, Mapping, Drilling, Lab, Engineering.

Millburn Burning Refuse, Kanawha Co., WV

- < Work Performed for AML
- Services Provided: Surveying, Mapping, Drilling, Lab, and Engineering

AML Projects Performed in 1993

- ☐ Approximately 26 projects were completed.
- ☐ These projects included: aerial surveying and mapping, landslides, subsidence, and mine drainage.
- ☐ Typical Projects included:

Eckman Refuse Pile, McDowell Co., WV

- < Work Performed for AML
- Services Provided: Ground Control, Aerial Photography, Aerial Mapping.

Oxley Subsidence and Slide, Davis Creek, Kanawha Co., WV

- < AML Representative: Michael Richardson
- Services Provided: Surveying, Drilling, Engineering

AML Projects Performed in 1994

- ☐ Approximately 27 projects were completed.
- These projects included: aerial surveying and mapping, landslides, subsidence, and mine drainage.
- ☐ Typical Projects included:

Turner Landslide, Belle, WV

- < Work Performed for AML
- < Services Provided: Surveying, Mapping, Drilling, Sampling, Plans, Specifications, Bidding Assistance

Sammons Drainage, Chauncey, WV

- < Work Performed for AML
- < Services Provided: Drilling and Engineering

AML Projects Performed in 1995

- Approximately 19 projects were completed.
- These projects included: aerial surveying and mapping, landslides, subsidence, burning refuse, and mine drainage.
- ☐ Typical Projects included:

Mullins Subsidence, Crab Orchard, WV

- < AML Representative: Michael Richardson
- Services Provided: Drilling, Sampling and Engineering

Big Cub Creek Refuse Pile

- < AML Representative: Dean Stiltner
- < Services Provided: Aerial Photography, Ground Control, Aerial Mapping

Sample design drawings and photographs from our recent AML Projects follow this page.



Thomas Sunrise Sanitation – DEP14171



Thomas Sunrise Sanitation – DEP14171



Prospect Valley Highwall #4 – DEP14433



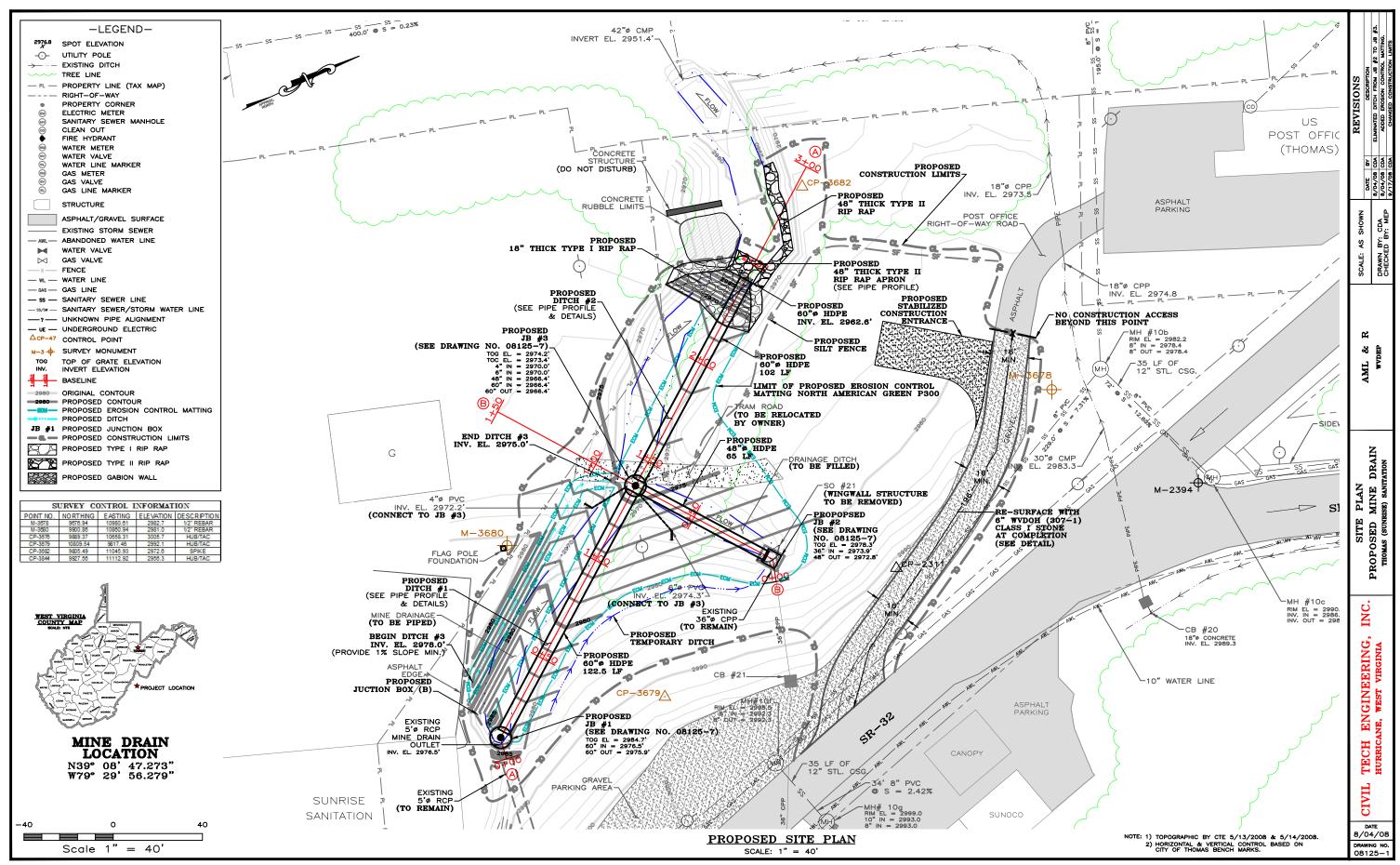
Prospect Valley Highwall #4 – DEP14433

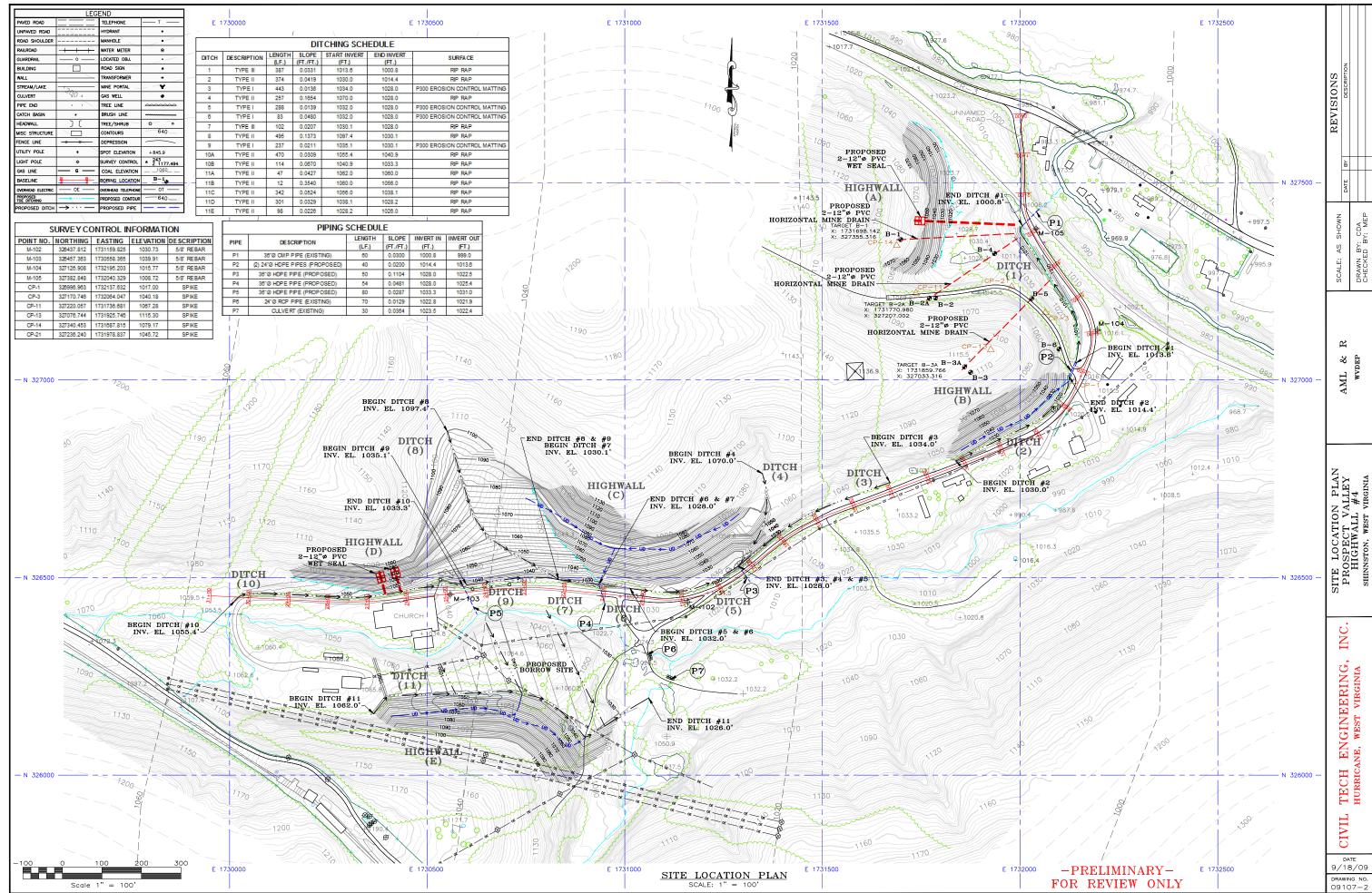


Prospect Valley Highwall #4 – DEP14433



Prospect Valley Highwall #4 – DEP14433







SECTION B.1 - HISTORY OF FIRM

| <u>Services:</u> Civil Tech Engineering, Inc. has provided in-house professional engineering services since 1996 in the following areas of expertise. |
|---|
| □ AML Design Services □ Civil Design/Consulting □ Wastewater Treatment and Collection □ Dam Safety, Design, and Rehabilitation □ Geotechnical Engineering □ Surveying & Mapping □ Construction Contract Administration/Construction Monitoring |
| <u>Background:</u> Civil Tech Engineering Inc. was formed in 1996 by our principals, Mark and Jennifer Pennington. Prior to forming Civil Tech, Mark Pennington managed the branch office of Triad Engineering in St. Albans, West Virginia. Jennifer Pennington was a senior engineer at Triad. <u>Our principals have a combined experience of more than 70 years in civil and geotechnical engineering.</u> |
| <u>Typical Projects and Capability:</u> Since forming Civil Tech, our staff has provided professional engineering services for a variety of clients and projects involving: |
| AML Design Services 60 Dam rehabilitation and design projects Site planning, development, and permitting Sanitary sewer/storm water segregation Storm water evaluation and design Foundation investigation and design Foundation investigation and design Construction storm water pollution prevention plans and permitting USACOE 404 Permitting. Topographic mapping to support our engineering projects Construction monitoring and testing for our design projects Construction contract administration for our design projects Cause of damage assessment of residential and commercial structures for insurance companies Subsidence Claims for BRIM |
| <u>Submittal</u> : We have prepared this submittal to illustrate our complete capabilities in civil engineering. The reader will find information on a variety of projects intended to illustrate the quality of our work, complete capability, and qualifications to provide the engineering services for most civil engineering projects. |

SECTION B.1 - OFFICE, STAFF, & EQUIPMENT

Office: All work is performed from our office located in Hurricane, West Virginia. The physical address, telephone number, email address and staff information is provided below:

CIVIL TECH ENGINEERING, INC. 300A Prestige Drive Hurricane, West Virginia 25526

Phone 304-757-8094 Fax 304-757-8095

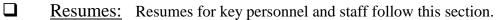
email <u>civiltech1@frontier.com</u>

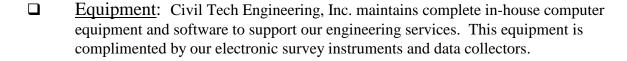


Mark E. Pennington MS, PE, PLS Jennifer E. Pennington PE, PLS

Staff:

H Tom Brown PE – Senior Engineer Robert Kessler - Senior Geologist and Jack Pennington, Geologist Charles Arthur Jr. - CADD H Neal Craig – CADD Scott Barnes – Senior Engineering Technician









RESUME OF MARK E. PENNINGTON PRESIDENT – CIVIL TECH ENGINEERING INC. April 22, 2021

EDUCATION:

B.S.C.E. - Civil Engineering - 1977 - West Virginia University M.S.C.E. - Civil Engineering - 1985 - West Virginia College of Graduate Studies

PROFESSIONAL REGISTRATION:

Registered Professional Engineer - West Virginia, Virginia, Ohio, and North Carolina Professional Surveyor - West Virginia

EMPLOYMENT HISTORY:

Principal Engineer -CIVIL TECH ENGINEERING, INC.

President February 1996 to Present

Chief Engineer -Heeter Construction, Inc., Spencer, WV

Vice President February 1996 to April 1997

Principal Engineer -Triad Engineering, Inc., St. Albans, WV

Vice President September 1980 to February 1996

Staff Engineer - American Electric Power Service Corporation

Civil Engineering Laboratory - May 1977 thru July 1978 Ash Utilization & Research - August 1978 to Sept. 1980

PERTINENT EXPERIENCE:

General: Mr. Pennington is one of the founders and president of Civil Tech Engineering Inc. In this capacity, he is responsible for overall management of the company, business development, proposal preparation, and the direction/technical review of all engineering work produced by the company.

After graduation from college, Mr. Pennington worked as a staff engineer for American Electric Power. He initially performed various engineering tasks for the Civil Engineering Lab in New Haven, West Virginia. He later joined the ash utilization and research section where was involved with landfill design and testing. Mr. Pennington authored the "Fly Ash Structural Fill Inspection and Training Manual" dated February 15, 1979 which is still in use today in the AEP system. Recently, Mr. Pennington managed compaction testing at the John Amos Plant Quarrier Landfill under contract with AEP.

Prior to establishing Civil Tech Engineering, Mr. Pennington served as Branch Manager of the St. Albans Office of Triad Engineering, Inc. In this capacity, he supervised and coordinated all projects performed by the St. Albans Office and managed over 60 employees including; engineers, geologists, technicians, designers, draftsmen, environmental technicians, surveyors, drillers, marketing, and clerical personnel. Mr. Pennington's areas of expertise include: general civil design, dam design/rehabilitation/safety, abandoned mine lands reclamation, geotechnical engineering, hazardous and municipal waste design/permitting, hydraulics, hydrology, groundwater studies, laboratory testing, surveying and mapping, drilling, construction inspection/testing, and construction project/contract administration. Mr. Pennington also reviewed and approved mine permits for the Logan Office of Triad Engineering.

RESUME OF MARK E. PENNINGTON CONTINUED

Mr. Pennington has provided and directed engineering services on more than 2000 projects since forming Civil Tech Engineering, Inc. These projects have been performed for clients including: WVDEP-AML, BRIM, Steel of West Virginia, FMC, WVDNR, WVDEP, WVAGR, Dominion Generation, Duke Energy, Huntington Area Development Authority, City of Belington, Culloden PSD, City of South Charleston, City of Thomas, City of Pennsboro, Cedar Lakes Conference Center, Middleport Terminals, Contractors, Architects, Private Home Owners, and insurance companies. Mr. Pennington has been responsible for a wide range of engineering projects and services including:

- Power Plant Civil Design Services (Coal Fired and Nuclear)
- Dam Inspection, Design, and Rehabilitation
- Surveying and Mapping
- Abandoned Mine Land Reclamation Projects
- Foundation Investigations for Industrial, Commercial, and Residential Structures
- Civil Design for Residential/Commercial Projects.
- Damage Investigation/Evaluation of Commercial/Residential Structures.
- Mine Subsidence Claims
- Municipal Landfill Design/Permitting
- Municipal Sewage Design and Permitting
- Water Line Extension
- Hazardous Waste Landfill Design/Permitting
- Groundwater Contamination Studies
- Stormwater Design and Control
- Erosion and Sediment Control Design and Permitting
- Construction Quality Control
- Construction Contract Administration

Power Plant Engineering Services: Mr. Pennington started his career as an employee of AEP working as a staff engineer in the civil engineering lab and ash utilization sections where he gained experience with civil design, materials testing, and geotechnical engineering associated with dam and power plant construction. Since forming Civil Tech he has been the engineer of record on power plant projects for clients including AEP, Dominion Generation, and Duke Energy. Typical services have included civil design, geotechnical engineering, surveying, permitting, and construction phase services. Projects have included: dams, railroad spurs, pavements, walls, dams, ammonia unloading, coal handling, ponds, cooling towers, coal stacking tubes and reclaim tunnels, and ash landfills. Mr. Pennington has also managed projects for Dominion at Mt. Storm Power Station since 2000.

Civil Design, Municipal Sewage and Water Service: Mr. Pennington was the design engineer for a \$ 3,000,000 sanitary sewer/storm water segregation project for the City of Thomas, West Virginia. He routinely assists the City of Thomas with the evaluation of storm water problems and has been responsible for the design and construction of a \$ 750,000 storm water improvement project which was completed in 2006. Phase I of the sanitary sewer/stormwater segregation project for the City of Thomas was completed in 2009. Past experience with general civil engineering including utility and roadway infrastructure, site grading, storm water, and permitting has included large commercial and private projects such as Southridge Centre (100 acres), First Church of God (10 acres), Ridgeline Developments (100 acres), Dudley Farms (50 acres), and recent 2 acre developments for hotel sites in Mineral Wells, and Weirton, West Virginia. He was recently responsible for the design of a 1 ½ mile water service extension for the town of Douglas, West Virginia.

RESUME OF MARK E. PENNINGTON CONTINUED

<u>Dam Safety:</u> Mr. Pennington is qualified in the field of dam safety, rehabilitation, and design. He is responsible for performing over 70 annual safety inspections for various dams and clients throughout West Virginia and surrounding states. Mr. Pennington has been responsible for the design of over 60 dam rehabilitation projects. His areas of expertise include the use of Roller Compacted Concrete (RCC) in the rehabilitation of dams. Mr. Pennington made a presentation at the ASCE fall technical conference in 1994 discussing the use of Roller Compacted Concrete as overtopping protection at the Anawalt Lake Dam. A partial list of typical dam design and rehabilitation projects for which Mr. Pennington has been responsible is provided below:

- Cacapon Park and Reservoir Dams, Cacapon State Park
- No. 2 Impoundment Dam Modification Union Carbide, Sistersville, WV
- Anawalt Lake Dam (new construction) WVDNR McDowell Co, WV
- Warden Lake Dam Modification WVDNR Hardy Co., WV
- Seneca Lake Dam Modification WVDNR Pocahontas Co., WV
- Teter Creek Lake Dam Modifications WVDNR Barbour Co., WV
- Belington Water Supply Dam Modifications City of Belington Barbour Co., WV
- FMC Tailings Pond Dam Modifications FMC Corp.- Bessemer City, NC
- Water Supply Dam Modifications Culloden PSD Culloden, WV
- Joyce Lake Dam Modifications Joyce Properties Clarksburg, WV
- Handley Dam WVDNR Pocahontas Co., WV
- Thomas Dam Rehabilitation City of Thomas, WV
- Old Pond 11 McClintic Wildlife Management Area
- Wells Lock and Dam Emergency Repairs, Elizabeth, WV
- Rollins Dam Emergency Repairs, Ripley, WV
- Handley Dam Modifications, Pocahontas County, WV
- Winterplace Dam, Raleigh County, WV
- Anawalt Flood Damage Repairs, McDowell County, WV
- Bailey and Lemley Dams, Monongalia County, WV
- Wilson Big Hollow Dam, Hampshire County, WV
- Burches Run Dam Height Reduction, Marshall County, WV
- Mt. Storm Power Station Dam, Grant County, WV
- Deegan and Hinkle Dam Modifications, Bridgeport, WV
- Mill Run Water Supply Dam, Mt. Top PSD, Mt. Storm, WV
- Canaan Valley Resort Water Supply Reservoir, Davis, WV
- Dawson Dam Modification, Dawson, WV
- Plum Orchard Dam Seepage Collection and Maintenance Bench, Fayette Co. WV
- Palestine Hatchery Reservoir Dam Repair, Elizabeth, WV

Construction: Mr. Pennington provided engineering and construction management services to Heeter Construction of Spencer, West Virginia in 1996 and 1997. He assisted Heeter with bidding, project management, and any technical problems requiring engineering expertise. During 1996 and early 1997 while with Heeter Construction, he served as the assistant project manager for the construction of a 10 million dollar flood control levee designed by the US Army Corps of Engineers for the City of Moorefield, West Virginia. Mr. Pennington has recently provided bidding and construction consultation as well as value engineering proposals, waste site design, and other engineering services for Heeter Construction.

RESUME OF MARK E. PENNINGTON CONTINUED

<u>US Army Corps of Engineers:</u> While with Triad Engineering, Mr. Pennington managed the Huntington District Corps of Engineers indefinite delivery geotechnical contract for a period of 3 years. During this time, he was responsible for the design of Charleston Haddad Riverfront Park, certification of Pond 16 (a small dam designed by the COE at McClintic WMA), landslide investigations, seepage/stability analysis for flood levees, and numerous re-analysis investigations for dams including Dillon and Beech City Dams in the State of Ohio.

<u>Mine Permitting/Surveying:</u> While employed by Triad Engineering, Mr. Pennington was responsible for review and approval of mine permitting and surveying operations conducted in the Logan, West Virginia Office of Triad.

WVDEP-AML Experience: Mr. Pennington has been responsible for the completion of more than 30 AML projects for the WVDEP since 2008. These projects have ranged in size from under \$ 250,000 to over \$ 1,000,000. He was also responsible for all AML work produced by the St. Albans office of Triad Engineering prior to resigning from the company in early 1996. His work included proposal preparation, planning, direction, management, and performance of all engineering activity associated with Triad's AML contract. Mr. Pennington was responsible for the successful completion of approximately 137 projects during the period from 1990 to 1996. His expertise includes the abatement of mine related problems associated with subsidence, blasting, landslides, mine drainage, refuse fires, mine fires, mine shafts, drainage, impoundments, and groundwater/surface water pollution. Since leaving Triad and forming Civil Tech, he has also been responsible for the investigation of mine subsidence claims throughout West Virginia for the State Board of Risk and Insurance Management (BRIM) and various insurance companies including State Farm and Nationwide. Prior to working with the WVDEP - AML, he worked with the Federal Office of Surface Mining on similar projects.

<u>Insurance and BRIM Investigation:</u> During Mr. Pennington's career, he has provided professional engineering services to insurance companies including State Farm, Nationwide, St. Paul, Westfield, Travelers, Allstate, Prudential, Hartford, and others. From 2002 to 2005, Mr. Pennington also investigated numerous mine subsidence claims for BRIM. Services provided to insurance companies have included examination/evaluation of damage to various structures including:

- Light Commercial Buildings
- Residential Houses
- Manufactured Houses
- Small Bridges
- Retaining/Basement Walls
- Pavements/parking lot surfaces
- Chimneys/fireplaces
- Municipal Concerns

Mr. Pennington is experienced in the assessment of damage caused by wind, flood, snow, erosion, fire, leaking utility lines, earth movement (problem clay soils, settlement, landslides, etc.), vehicle impact, structural defects/failure, and manufacturing defects (related to housing), blasting and subsidence related to mining.

RESUME OF JENNIFER E. PENNINGTON

PRINCIPAL ENGINEER 05.12.20

EDUCATION

BSCE - Civil Engineering - 1988 - University of Kentucky

CERTIFICATION/REGISTRATION

Registered Professional Engineer - West Virginia Licensed Land Surveyor - West Virginia

EMPLOYMENT HISTORY

Principal Engineer Civil Tech Engineering, Inc., St. Albans, WV

March 1996 to Present

Senior Engineer Triad Engineering, Inc., St. Albans, WV, 1988 to 1996

PERTINENT EXPERIENCE

Ms. Pennington has served as a team member and project manager on AML, civil design, and geotechnical projects involving abandoned mine land reclamation, subsurface investigation, geotechnical analysis, and dam design. She has been responsible for technical analysis and review of all AML projects completed by Civil Tech since 2008. She was responsible for all dam design and rehabilitation projects, and projects performed for the Huntington District Corps of Engineers (HDCOE) while employed by Triad Engineering during 1988- 1996. Work performed on those projects and current projects for which she is responsible at Civil Tech Engineering include:

- Geotechnical Investigation and Analysis
- Civil Design
- Hydrologic/hydraulic analysis using HEC-1, HEC-2, and Dams2 Computer Programs
- Stability Analysis using UTEXAS2, PCStable5, and HDCOE Hand Check Methods
- Seepage Analysis using graphical flow net and HDCOE mathematical methods
- Preparation of Project Narratives, Design Drawings, Specifications, Construction Schedules, Erosion and Sediment Control Plans, and Construction Cost Estimates.

Since the company was formed, Civil Tech Engineering has performed numerous dam safety inspections, dam breach analysis and risk assessments, geotechnical studies, and dam rehabilitation design projects. Civil Tech has also completed 20 AML projects since 2008. Ms. Pennington has been responsible for project management on these and many other large scale projects including geotechnical and foundation investigations. She is proficient in organizing and maintaining scheduling during the course of long term projects. She has complete familiarity with all of the above mentioned in house computer programs as well as Word, Excel, AutoCad, Eagle Point, Flowmaster, HEC-HMS, Dams2, HEC1 and II, HECRAS, and Hydrocad.

Ms. Pennington is responsible for technical review of all work produced by Civil Tech. In this capacity, she reviews and approves all work produced by the company including AML, civil design, and dam safety projects.

RESUME OF CHARLES D. ARTHUR, Jr. SENIOR DESIGNER 4.22.21

EDUCATION:

June 2000 Benjamin Franklin Career and Technical Education Center Dunbar, WV

Computer-aided Drafting/1080 hours

Honor roll in computer drafting, experience with MicroStation 95/SE, AutoCAD

2000, Windows 98 SE, 3D drawings, mechanical/architecture drawings,

isometric/oblique drawings and orthographic projections

June 1997 **Benjamin Franklin Career and Technical Education Center** Dunbar, WV

Welding/1,320 hours

Honors included a second place finish in the State Welding Competition, Elkins, WV, April 1997 sponsored by the Vocational Industrial Clubs of America,

Certificate of Recognition and experience with SMAW, GMAW, GTAW and TB

Dec 1993 Richmond Technical Center Richmond, VA

Welding/72 hours

Honor roll in welding, experience with SMAW, GMAW, GTAW and TB

June 1990 **Dunbar High School** Dunbar, WV

Diploma

EMPLOYMENT HISTORY

June 2000 to Civil Tech Engineering, Inc. Hurricane, WV

Present Senior Designer

Responsible for preparation of design drawings using Autocad Civil3D software,

survey party chief, and evaluation of mine maps and subsidence.

July 1999 to **Custom Upholstery** St. Albans, WV

June 2000 Helper/Deliverer Part Time

Experience keeping track of shop inventory and related sales, tearing down

furniture to be upholstered and transporting furniture

Aug 1997 to American Commercial Barge Line Jeffersonville, IN

June 1999 Deck Hand

Experience rigging barges together, making locks, chipping, grinding, painting,

working in close quarters and maintaining tug boats/chemical barges

Jan 1995 to **Pizza Hut Inc.** South Charleston, WV

Aug 1997 and Shift Manager

July 1989 to Experience updating customer data, completing close of daily receipts, insuring

June 1993 that paperwork balances, operating computerized cash register and possessing

exemplary customer and employee relations

June 1993 to First Choice Equipment Ashland, VA

Dec 1994 Mechanic

Experience maintaining tractor-trailers, various welding jobs, paint preparation

and painting

RESUME OF CHARLES D. ARTHUR, Jr. Continued

PERTINENT EXPERIENCE:

Since joining Civil Tech in 2000, Mr. Arthur has been responsible for preparation of design drawings using Autocad for a variety of civil engineering, AML, mine subsidence claims, hotel site development, and dam modification projects. A partial list of projects including recent AML experience follows:

- Public Access Sites and Boat Launch
- Cacapon Dam Modifications
- ➤ Palestine Hatchery Reservoir Dam Repairs
- Dawson Dam Modifications
- Plum Orchard Seepage Collection and Maintenance Bench
- > Greenbrier River Trail Landslide Repair
- ➤ North Bend Rail Trail Erosion Repairs
- ➤ Old Pond 11 Dam Rehabilitation
- ➤ Anawalt Flood Damage Repair
- > Teter Creek Dam Modification
- Wells Lock and Dam Repair
- ➤ Wilson Big Hollow Dam
- ➤ Winterplace Dam Modification 1 and 2.
- Cedar Lakes Dam No. 2 Flood Damage Repair
- ➤ Bailey and Lemley Dam Modifications
- Deegan and Hinkle Dam Modifications
- ➤ Thomas (Sunrise Sanitation) Mine Drainage Project (DEP14171).
- ➤ Thomas Sunrise Sanitation Mine Blowout (Emergency Project).
- ➤ Prospect Valley Highwall #4 (DEP 14433).
- ➤ Winifrede (McFann) Portals (DEP 14479).
- ➤ Pines County Club (Ponds) Subsidence (DEP14633).
- ➤ Douglas Water Line Extension (DEP14951).
- Cambria Portals & Drainage Design (DEP 14845).
- ➤ Birds Creek Portals (DEP 15065).
- ➤ Nellis (Smith) Drainage (DEP15002).
- ➤ Zebb's Creek Highwall #2 (DEP14991).
- ➤ Hawkinberry Hollow Portals and Drainage (DEP 15220).
- > Fairfield Inn and Suites, Weirton, WV
- ➤ Holiday Inn Express, Mineral Wells, WV
- ➤ Thomas Sunrise Sanitation Mine Drain
- > Thomas Storm Water Improvements
- ➤ Thomas Sewer/Storm Water Segregation Project
- ➤ Amish Exchange
- ➤ Mine Subsidence and Insurance Investigations
- ► Landslide corrections
- ➤ Geotechnical Investigations

Mr. Arthur also serves as survey crew chief for property and topographic mapping projects for Civil Tech Engineering. During his employment he has also provided construction inspection and testing services for civil and dam modification projects and has inspected subsurface investigation projects for geotechnical projects.

Mr. Arthur is also certified by the State of West Virginia as a pre-blast inspector.

RESUME OF ROBERT R. KESSLER GEOLOGIST

4 - 22 - 21

EDUCATION:

B.S. - Geology - 1965 - Ohio University Post Graduate Work - 1965 to 1966 - Geology - Ohio University

B.S. - Mathematics - 1980 - University of Charleston

CERTIFICATIONS:

Certified Aggregate Inspector - WVDOH Certified Concrete Inspector - WVDOH

Certificate of Completion - Wetland Training - WVDOH

Certificate of Completion - Techniques for Pavement Rehabilitation - WVDOH

Certificate of Completion - Aerial Photo Interpretation - WVDOH

Certificate of Completion - Alkali Silica Reactivity in Concrete - FHWA

EMPLOYMENT HISTORY:

Geologist - Civil Tech Engineering, Inc. 1996 – present

Responsible for all geologic studies/investigations.

Typical projects include mining subsidence investigations,

Teter Creek Dam, Thomas Dam, Old Pond 11 Dam,

Seneca Dam, Cacapon State Park Dams, Rollins Dam No.s 1 and 2, Cedar Lakes Dam No.s 1 and 2, Fairfax Pond Dam,

Winfield WS Dam, FMC Sportsman's Club Dams.

Geologist
Group Leader

Aggregate Group, West Virginia Division of Highways August 1998 to 2004 (retired), Materials Control Division

Division Reorganization

Geologist -Testing Group Leader All Materials Testing Sections & Roadway Analysis

West Virginia Division of Highways

April 1992 to August 1998, Materials Control Division

Division Reorganization

Geologist -Technical Advisor West Virginia Department of Transportation

January 1986 to April 1992, Materials Control Division

Division Reorganization

Geologist
Assistant Director

Aggregate Section, West Virginia Department of Highways May 1984 to January 1986, Materials Control Division

Page 1 of 2

RESUME OF ROBERT KESSLER CONTINUED

Geologist - Aggregate Section, West Virginia State Road Commission

Section Leader May 1969 to May 1984, Materials Control Division

Geologist - Aggregate Section, West Virginia State Road Commission

July 1966 to May 1969, Materials Control Division

PERTINENT EXPERIENCE

Mr. Kessler has performed geologic study on eleven mine subsidence claims investigated by Civil Tech for BRIM since 1996. Geologic investigation has included review of available mining maps and the county geologic reports providing important information concerning mining history and geologic formations and mine subsidence potential.

In addition to his duties reviewing mine subsidence claims, Mr. Kessler has also been responsible for the geologic study and investigation for over 60 dam rehabilitation projects in West Virginia.

Mr. Kessler has an intimate knowledge of geologic formations in the state of West Virginia and has recently authored and published a book on the geology of the Kanawha Valley.

RESUME OF SCOTT T. BARNES SENIOR ENGINEERING TECHNICIAN – CONSTRUCTION MANAGER 12.21.21

EDUCATION:

Great Bridge High School

Great Bridge, Virginia 1973

North Carolina Commercial Contractor's License.

North Carolina Real Estate License.

North Carolina Department of Transportation Concrete Technician.

EMPLOYMENT HISTORY

Resident Technician

Civil Tech Engineering Inc.

September 2016 – Present

Resident Technician for Cacapon Dam Modifications. Responsible for daily oversight of a \$ 1.7 Million construction project and reporting. Served as owner and engineer's site representative. Project was completed on time and within budget.

Resident Technician for Conaway Run Dam Modifications. Responsible for daily oversight of a \$ ½ Million construction project and reporting. Served as owner and engineer's site representative. Project was completed on time and within budget.

Superintendent

Housecraft, LLC, College Park, Maryland.

June 2014 – May 2015

76 Kalorama Circle, Washington, D.C.; 3.2 million dollar renovation and addition which included a substantial amount of concrete work. The owners of the home terminated the contract with Housecraft in May of 2015, but requested that I help to complete the renovations. I remained on the job until January of 2016.

Superintendent

F.D. Neal Construction, Woodstock, Virginia

June 2012 - May 2013

Foundation repairs, soil retention, new construction utilizing A.B. Chance Helical piers

Superintendent

Southland Concrete, Dulles, Virginia

June 2004 – March 2012

Concrete construction subcontractor, superintendent on the following:

Tysons II, ten floor, steel frame office building.

Steeplechase, four tilt-ups- office/warehouses. Tucon Construction.

Lafayette, two tilt-ups-office/warehouses. Utica Contracting.

Avalon, three tilt-ups – office/warehouses. Tucon Construction.

DEA Data Center, tilt-ups. Hitt Contracting.

RESUME OF SCOTT T. BARNES CONTINUED

US Pharmacopeia, concrete frame multi-story parking garage and office. DPR. Northwoods, six tilt-ups, office/warehouses.

Wisconsin Place, concrete frame 15 story apartment and below grade parking. I was one of three Southland Concrete superintendents on this job. Turner Construction. Woodgrove High school, steel frame and masonry. Davis Construction. Nap of the Cap, two precast buildings on CIP walls and two story steel frame office. Hitt Contracting.

Vida Fitness, concrete frame three story. Forrester.

United Therapeutics, concrete frame, seven floors. I completed the last four months of this job. DPR.

Inova Fairfax Hospital, concrete frame, 11 floors. I completed the last five months of this job. Turner Construction.

Superintendent

Federal Concrete, Centerville, Virginia *August 2003 - June 2004* Residential stamped concrete.

Superintendent

Southland Concrete, Dulles, Virginia *October 2002 – August 2003* Five tilt-ups.

Superintendent

Cleveland Cement, Richmond, Virginia

May 2001 – September 2002

Richmond Convention Center, steel frame, concrete frame, column up to 76' tall, walls, SOG.

Turner Construction.

Superintendent

Southland Concrete, Dulles, Virginia. *January 2000 - May 2001* Steel frame and tilt-ups.

Self Employed Concrete Subcontractor

S. T. Barnes, Inc., Jarvisburg, North Carolina. 1992 – January 2000

Commercial concrete construction with sales of 2 million per year. Owned a 28-meter concrete pump, thirty employees. Cell tower mat foundations, two museums, schools, foundation for the Cape Hatteras Lighthouse.

RESUME OF SCOTT T. BARNES CONTINUED

Manager, Concrete Division

Outer Banks Contractors, Kitty Hawk, North Carolina.

1983 - 1992

Commercial concrete, twenty employees, manager of two small ready mix plants, forming and finishing crew, curb and gutter crew.

Superintendent

Housecraft, LLC, College Park, Maryland.

June 2014 – May 2015

76 Kalorama Circle, Washington, D.C.; 3.2 million dollar renovation and addition which included a substantial amount of concrete work. The owners of the home terminated the contract with Housecraft in May of 2015, but requested that I help to complete the renovations. I remained on the job until January of 2016.

Superintendent

Southland Concrete, Dulles, Virginia

June 2004 – March 2012

Concrete construction subcontractor, superintendent on the following:

Tysons II, ten floor, steel frame office building.

Steeplechase, four tilt-ups- office/warehouses. Tucon Construction.

Lafayette, two tilt-ups-office/warehouses. Utica Contracting.

Avalon, three tilt-ups – office/warehouses. Tucon Construction.

DEA Data Center, tilt-ups. Hitt Contracting.

US Pharmacopeia, concrete frame multi-story parking garage and office. DPR.

Northwoods, six tilt-ups, office/warehouses.

Wisconsin Place, concrete frame 15 story apartment and below grade parking. I was one of three Southland Concrete superintendents on this job. Turner Construction.

Woodgrove High school, steel frame and masonry. Davis Construction.

Nap of the Cap, two precast buildings on CIP walls and two story steel frame office. Hitt Contracting.

Vida Fitness, concrete frame three story. Forrester.

United Therapeutics, concrete frame, seven floors. I completed the last four months of this job. DPR.

Inova Fairfax Hospital, concrete frame, 11 floors. I completed the last five months of this job. Turner Construction.

Superintendent

Federal Concrete, Centerville, Virginia August 2003 - June 2004 Residential stamped concrete.

Superintendent

Southland Concrete, Dulles, Virginia *October 2002 – August 2003* Five tilt-ups.

RESUME OF SCOTT T. BARNES CONTINUED

Superintendent

Cleveland Cement, Richmond, Virginia *May* 2001 – September 2002

Richmond Convention Center, steel frame, concrete frame, column up to 76' tall, walls, SOG. Turner Construction.

Superintendent

Southland Concrete, Dulles, Virginia. *January* 2000 - May 2001 Steel frame and tilt-ups.

Self Employed Concrete Subcontractor

S. T. Barnes, Inc., Jarvisburg, North Carolina.

1992 - January 2000

Commercial concrete construction with sales of 2 million per year. Owned a 28-meter concrete pump, thirty employees. Cell tower mat foundations, two museums, schools, foundation for the Cape Hatteras Lighthouse.

Manager, Concrete Division

Outer Banks Contractors, Kitty Hawk, North Carolina.

1983 - 1992

Commercial concrete, twenty employees, manager of two small ready mix plants, forming and finishing crew, curb and gutter crew.



$\underline{\textbf{SECTION B.2}} - \underline{\textbf{CIVIL DESIGN}}$

| Des | ign: Our principals and key personnel have been responsible for developing civil |
|-------|--|
| desig | gn drawings including site grading plans, highway access, storm water and mine drain |
| - | ng and controls, highwall and portal reclamation, storm water rail road crossings, |
| | ion control, sanitary sewer collection and treatment, lift stations, retaining walls, |
| | ing layout, sidewalks, handicap access, utilities, permits, specifications, and bid |
| - | |
| | ments for various projects including: |
| | Thomas Sunrise Sanitation Mine Drain |
| | Thomas Sunrise Sanitation Mine Blowout |
| | Prospect Valley Highwall #4 |
| | Winifrede (McFann) Portals |
| | Pines Country Club (Ponds) Subsidence. |
| | Douglas WL Extension |
| | Cambria Portals & Drainage |
| | Zebb's Creek Highwall #2 |
| | Bird's Creek Portals Design |
| | Nellis (Smith) Drainage |
| | Hawkinberry Hollow Portals Design |
| | Witcher Creek Portals & Refuse |
| | Ridenour Complex |
| | Breaholm (Evans) Portals & Drainage |
| | 48 Dam Rehabilitation Projects in WV and NC |
| | Storm/Sanitary Segregation, City of Thomas, WV |
| | Storm Water Improvements, Thomas, WV |
| | First Church of God, Charleston, WV |
| | Mt. Vernon Baptist Parking Lot Expansion |
| | Holiday Inn Express, Mineral Wells, WV |
| | Fairfield Inn & Suites, Weirton, WV |
| | Various large residential developments Robert C. Byrd Federal Court House Sidewalks, Utilities, and Drainage |
| | Haddad Riverfront Park, Charleston, WV |
| | |
| | Southridge Centre 100 acre Commercial Development Ridgeline 50 acre Commercial Development |
| | Commercial developments including: Amish Exchange, Wendy=s, Texas Steakhouse, Kenny |
| Ш | Rogers, etc. |
| | Various Hazardous Waste and Sanitary Landfills |
| | Various Abandoned Mine Land Projects |
| | Various Landslide Stabilization Projects throughout West Virginia |
| | Means and Methods, Pipe Crossings – CSX Railroad, Rt. 10, Rita to Midway Plaza Highway |
| | Project |
| | Bluestone Lake Boat Launch and Parking Design |
| | Laurel Lake Fishing Pier Design |
| | Dents Run WMA Shooting Range Design |

Statement of Qualifications Civil Tech Engineering, Inc. Last Revised August 2025

| Cost | Estimating: Cost estimates are routinely prepared for our civil design projects. | | | |
|--|--|--|--|--|
| Most recent experience in preparing cost estimates includes: | | | | |
| | Thomas Sunrise Sanitation Mine Drain – Project Cost \$ 325,000 | | | |
| | Thomas Sunrise Sanitation Mine Blowout – Project Cost \$ 250,000 | | | |
| | Pines Country Club (Ponds) Subsidence – Project Cost \$ 2.6 million | | | |
| | Winifrede (McFann) Portals – Project Cost \$ 450,000. | | | |
| | Cambria Portals - Project Cost \$ 682,000 | | | |
| | Douglas WL Extension – Project Cost \$ 250,000 | | | |
| | Storm/Sanitary Segregation Project, City of Thomas - Project Cost \$ 3 million | | | |
| | Storm Water Improvements, City of Thomas - Project Cost \$ 750,000 | | | |
| | Ansinelli Retaining Wall Replacement, Private - Project Cost \$ 50,000 | | | |
| | Fleming Street Stabilization, City of Monongah - Project Cost \$ 70,000 | | | |
| | Mt. Vernon Baptist Parking Lot Expansion – Project Cost \$ 50,000 | | | |
| | Holiday Inn Express, Mineral Wells – Project Cost Unknown | | | |
| | Teter Creek Dam Modifications, WVDNR, Wildlife Resources - Project Cost \$ 1.2 Million | | | |
| | Old Pond 11, WVDNR, Wildlife Resources - Project Cost \$ 150,000 | | | |
| | Moncove Dam Rehabilitation, WVDNR - Project Cost \$ 600,000 | | | |
| | Burches Run Dam Rehabilitation, WVDNR - Project Cost \$ 600,000 | | | |
| | Deegan and Hinkle Dam Modifications – Project Cost \$ 1.5 Million | | | |
| | Bailey and Lemley Dam Modifications – Project Cost \$ 1.2 Million | | | |
| | Wilson Dam Modification – Project Cost \$ 250,000 | | | |
| | Belington Dam Modification – Project Cost \$ 50,000 | | | |
| | Mill Run Dam Modification – Project Cost \$ 200,000 | | | |
| | Stony River Dam Breach – Project Cost \$ 250,000. | | | |
| | Temperature and Flow Monitoring Weir – Project Cost \$ 250,000 | | | |
| | Jimmy Lewis Dam Modification – Project cost \$ 500,000 | | | |
| | Pipestem and Berwind Dam Modifications – Project Cost \$ 1,200,000 | | | |
| | Cacapon Dam Modifications – Project Cost \$ 1,300,000 | | | |
| | | | | |

Our engineers have extensive experience in cost estimating and bidding gained on projects which were bid and successfully constructed. This experience was gained by Mark Pennington estimating costs for construction projects for competitive bidding while working for Heeter Construction, of Spencer, West Virginia. See Resume for Mark Pennington. Hayward Phillips, our senior construction inspector, has over 55 years experience estimating and building all types of construction. Our construction experience is invaluable in the development of accurate cost estimates for budgeting, and development of practical designs which are Aconstructable@.

Construction Contract Administration: We have, or are providing contract administration on virtually all of the civil projects listed herein. Our experience has been gained administering contracts on projects ranging in size and complexity from a few hundred thousand to upwards of 30 million plus for the Southridge Centre/Ridgeline developments. Mark Pennington also served as assistant project manager on a 10 million dollar flood levee construction project for the City of Moorefield, West Virginia in 1996,

| Last NC | Last Revised June 2025 | |
|---------|--|--|
| | while employed with Heeter Construction. | |
| | <u>Civil Project Photographs</u> : Photographs of some of our recent projects follow this section of the submittal. | |
| | <u>Sample Project Drawings:</u> Typical design drawings from some of our projects are enclosed to illustrate our capabilities. | |



FIRST CHURCH OF GOD – CHARLESTON, WV PROJECT COST UNKNOWN – COMPLETE 2001

- ☐ TOPOGRAPHIC MAPPING
- □ SUBSURFACE INVESTIGATION
- □ STORM WATER CONTROLS
- □ PERMITTING
- ☐ UTILITY LOCATION & DESIGN
- WASTE WATER TREATMENT RECIRCULATING SAND FILTER
- □ PAVEMENT AND WALKS
- □ PLANS AND SPECIFICATIONS



Erosion Repair – Rip Rap Armored Ditch



New Storm Drains and Catch Basins

STORM WATER IMPROVEMENTS – THOMAS, WV

PROJECT COST \$ 750,000 - COMPLETE 2007

- ☐ TOPOGRAPHIC MAPPING
- ☐ STORM WATER CONTROLS & EROSION REPAIR
- □ PERMITTING
- □ PLANS AND SPECIFICATIONS
- □ BIDDING
- ☐ CONSTRUCTION CONTRACT ADMINISTRATION

CIVIL TECH ENGINEERING INC. "Attention to Detail"



HOLIDAY INN EXPRESS – MINERAL WELLS, WV PROJECT COST UNKNOWN – COMPLETE 2007

- ☐ TOPOGRAPHIC MAPPING
- ☐ STORM WATER CONTROLS
- □ PERMITTING
- ☐ UTILITY LOCATION & DESIGN
- □ WASTE WATER LIFT GRINDER STATION DESIGN
- □ PAVEMENT AND WALKS
- □ PLANS AND SPECIFICATIONS

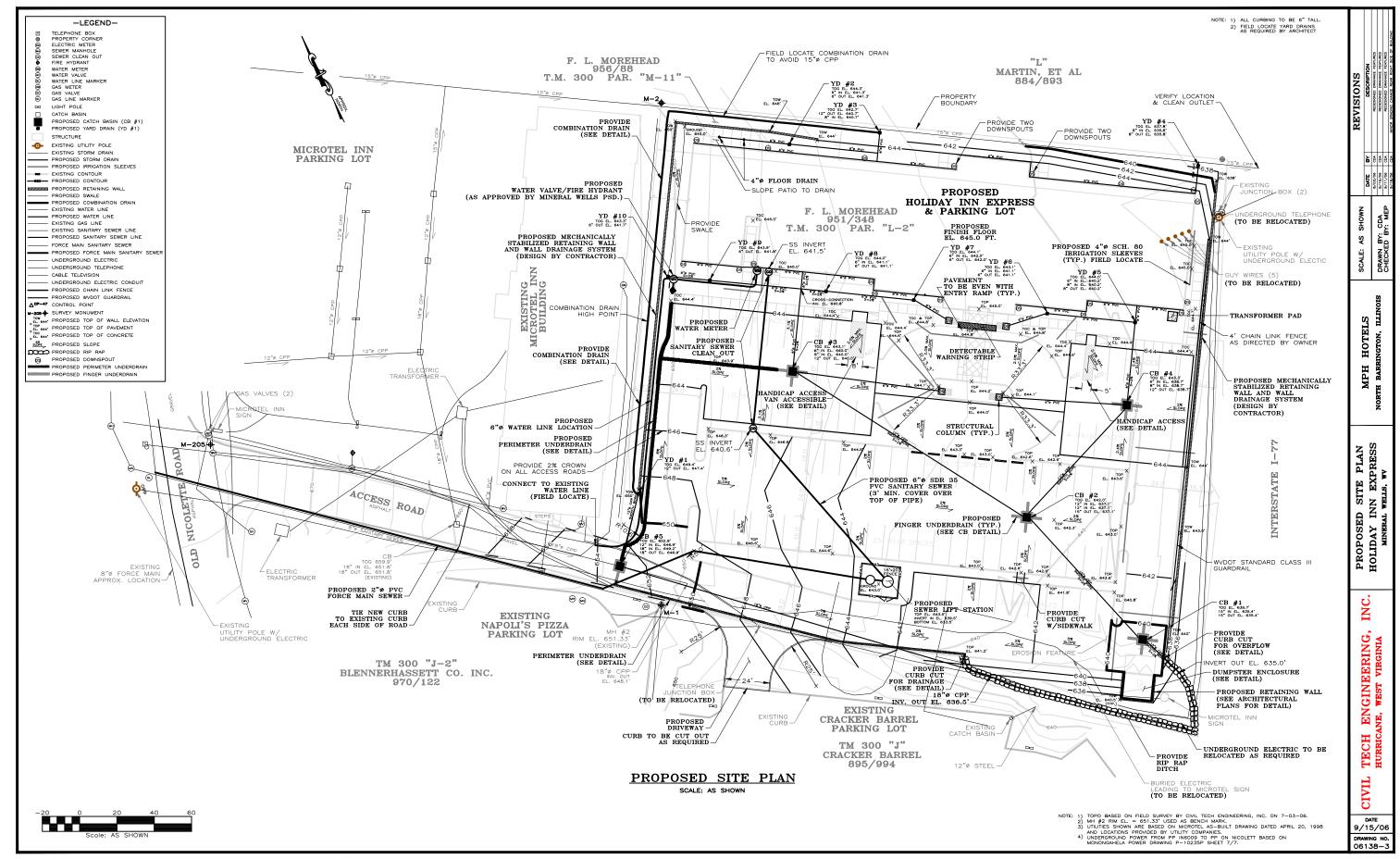


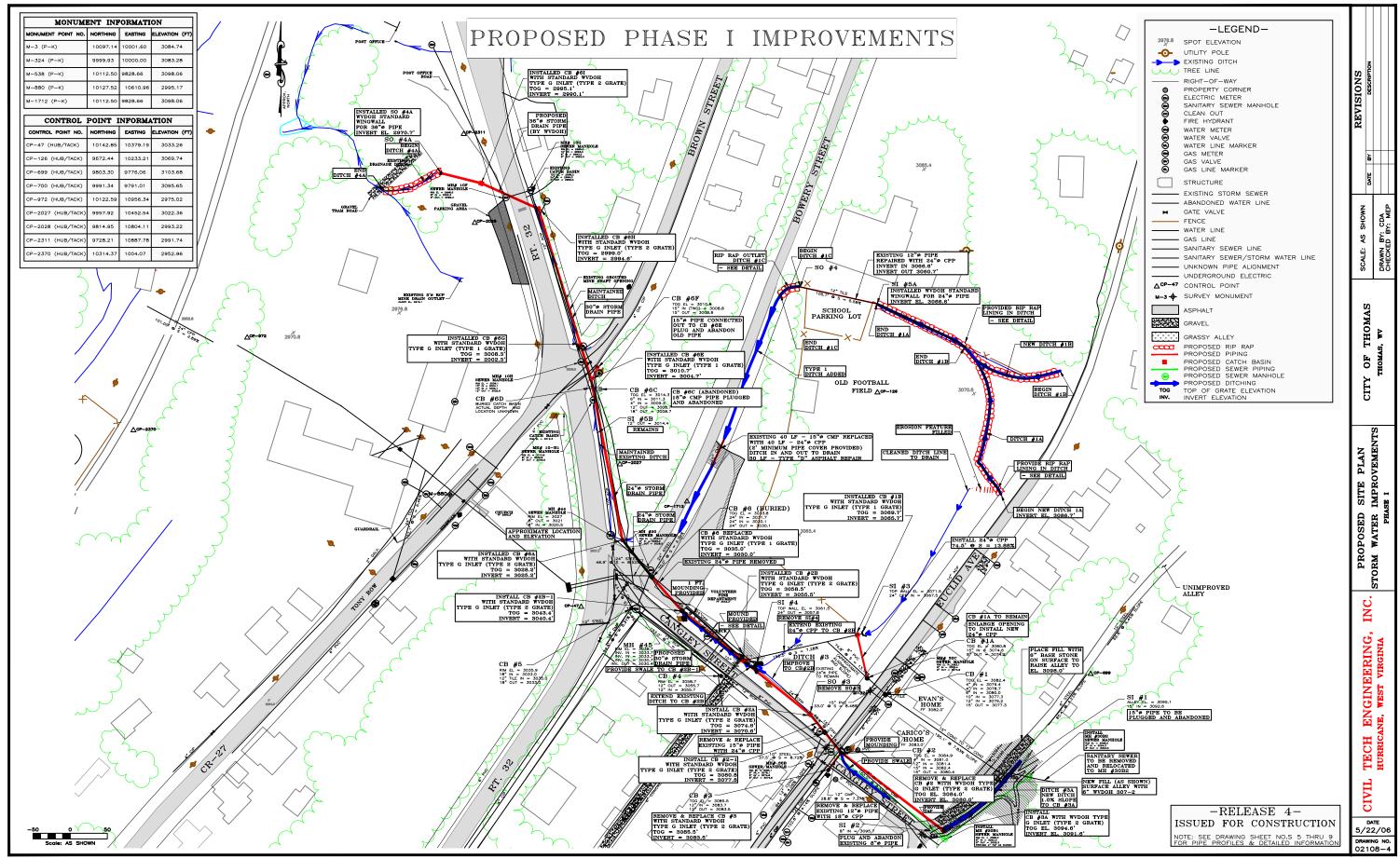


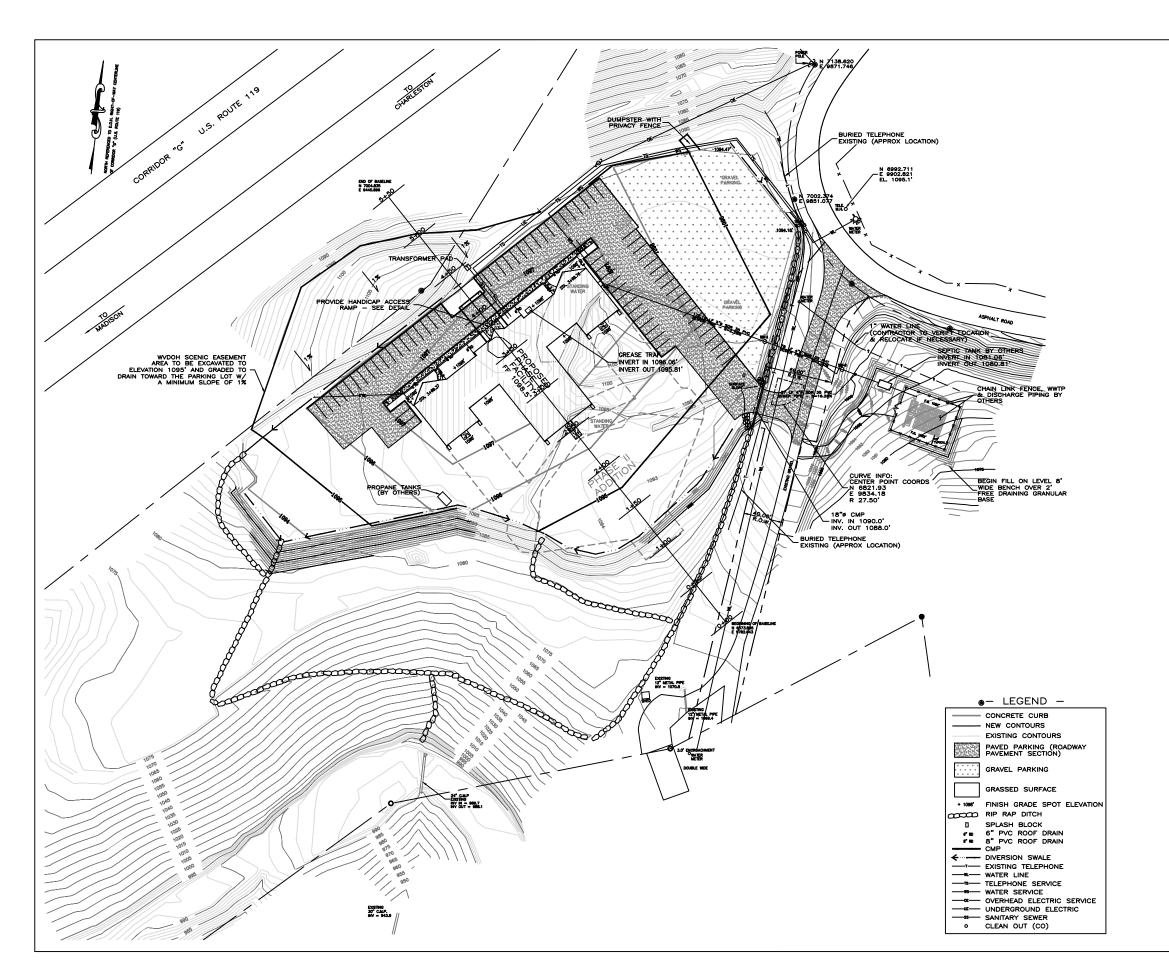
MT. VERNON BAPTIST PARKING LOT EXPANSION – HURRICANE, WV

PROJECT COST \$ 50,000 - COMPLETE 2007

- ☐ TOPOGRAPHIC MAPPING
- □ STORM WATER CONTROLS
- □ PERMITTING
- □ PAVEMENT AND WALKS
- □ PLANS AND SPECIFICATIONS







| REVISIONS | | | | |
|-----------|-----|---|--|--|
| DATE | BY | DESCRIPTION | | |
| 6/6/00 | BDJ | CHANGED SEWER PIPE LOCATION EXITING THE BUILDING | | |
| 9/20/00 | RKM | RELOCATED WATER AND SEWER LINES ENTERING/EXITING BUILDING. ADDED WWTP SURVEY/PLANT LOCATION | | |
| | | | | |

SITE WORK GENERAL NOTES:

- cavation: Excavation of both soil and rock will be necessary to develop the site. Hard rock kely be encountered in the excavation. Blasting to facilitate the excavation, if allowed, must pproved by Engineer. Trenching shall be performed in accordance with OSHA regulations. Into excavations deeper than 5 feet is not allowed without approved shoring or sloping.
- 4. Fill: Fill shall consist of suitable soil or rock materials available from site excavations as approved by the Engineer. Fill shall be placed in maximum 9 inch loose, level lifts and compacted to 95% of the maximum dry density as determined by ASTM D998, or as approved by the Engineer. The moisture content of the fill material shall be plus or minus 2% of optimum. Fill shall not be placed in standing water or on frozen ground. Control of water where it be surface or groundwater shall be the responsibility of the Contractor. Subgrade must be approved by the Engineer before fill placement begins. Care shall be taken not to ever—compact the in—situ alog soils during fill placement. Fill shall not be placed on existing fill areas due to potential for landsides to develop.
- 5. Rip Rap: Rip rap shall consist of a durable hard rock material produced from onsite excavations as approved by the Engineer. If suitable rip rap material is not available from onsite excavations, rip rap may be obtained from an offsite or commercial source. Rip rap shall consist of a durable sandstone or limestone well graded with a maximum and minimum particle size of 6 to 18 inches.

- 7. Poverment: Base stone shall consist of of WVDOT 307-1 (Class 1) Stone.

 Asphaltic base shall consist of WVDOT Base 1 mix.

 Asphaltic wearing course shall consist of WVDOT Waaring 1 mix.

 Asphaltic materials, placement, and compaction shall comply with WVDOT specifications.

 Subgrade to be compacted to 95% of the maximum dry density as determined by ASTM D698.

 Base Stone to be underlain by a suitable stabilization fabric as approved by the Engineer.
- wer Piping (Building to Septic Tank Only): Piping shall consist of SDR 35 PVC with bell and tocnnections. Fittings shall be molded plastic suitable for solvent welding. Install with unw slope 0.5% and provide a cleanout with sanitary Mye where the piping leaves the na and at 250 foot intervals thereafter. Bedding and backfill to be in accordance with the facturers recommendations. Pipe to be installed with a minimum cover of 3 feet over the of the pipe. The Contractor will be responsible for installing the sanitary sewer line complete ining 5 feet from the building and extending to within 5 feet of the septic tank as shown to Design Drawings.
- Woter Service Piping: Water service piping shall extend from the water meter to be installed MV American Water to within 5 feet of the building as shown on the plans. Water service shall be installed at a minimum depth of 4 feet below finish grade. Service piping shall pipy with AWWA C901 or C902 for Polyethylene (PE) pressure pipe and tubing or Polybutylene by Pressure pipe and tubing \(\frac{1}{2} \) in thu 3 inch for water service. Copper piping may be as a sproved by the Engineer. Pipe shall be installed in accordance with ASTM D2774. Pipe is shall comply with ASTM D2577 schnique II Butt Fusion. If the service lines is not readily connected to the main or the supply line for the building, the line shall be closed by or cap. The service line shall be frestly a feet of the shall be pressure and leak testing in accordance with AWWA dards and as approved by the Engineer. After pressure testing the service line shall be frected as required by the Engineer.
- 11. Curb: WVDOT Plain Curb -Type I as modified on the detail.
- 12. Foundations: Design foundations for allowable bearing pressure of 3000 psf. Extend all foundations to bear on bedrock. Minimum foundation depth is 30 inches below exterior grade for frost protection. Where depth to rock exceeds 30 inches use lean concrete to extend the foundation to rock. Foundation bearing surface to be approved by the Engineer prior to placement of concrete.

- 15. Electrical: AEP will furnish and install all underground coble, power pole, and transformer. The general contractor will pay for this work directly at the agreed upon price. The underground coble will be pulled through plastic conduit to be installed by the Contractor as part of site work. The contractor will also construct the transformer pad in accordance with AEP requirements. The contractor will also construct the transformer pad in accordance with AEP requirements below grade extending between the power pole and within 5 feet of the building as shown on the Drawings. Underground electric shall be separated a minimum of 5 feet from other underground utilities. The location and alignment of the conduit and transformer pad to be approved by AEP before installation. All electrical work shall be planned and executed by a licensed electrician and shall comply with applicable cades.

- 18. Refer to architectural drawings for building dimensions and layout.
- All disturbed areas to be revegetated in accordance with the WVDOT Section 652.
 Lawn area to be Type C-2. Fill and cut slopes to be Type D. Table 652.5-Seed Mixtures

DATE: APRIL, 2000

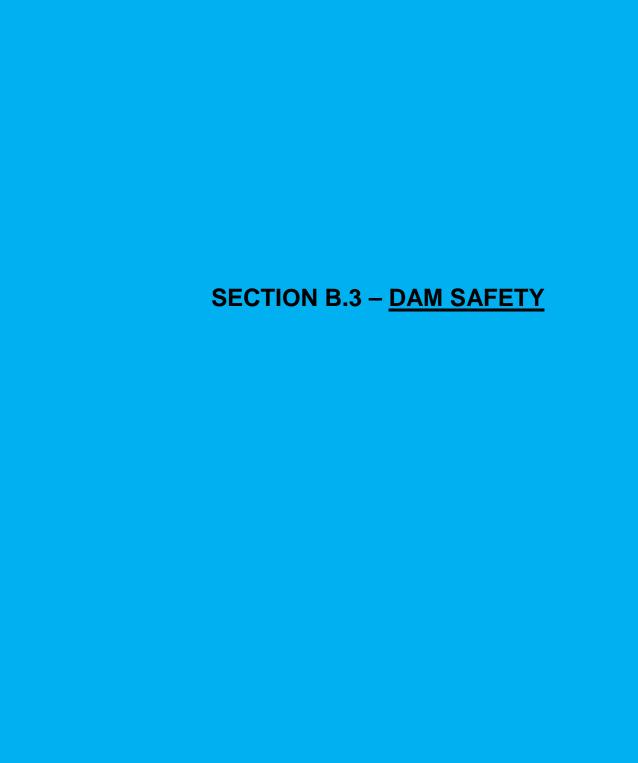
- 20. E & S measures to comply with the approved General Permit issued by the WVDEP OWR.
- 21. Refer to sheets 97206-2 thru 97206-3.

NOTE: SURVEY PERFORMED BY SITE BLAUVELT ENGINEERS

CIVIL TECH ENGINEERING, INC ST. ALBANS, WEST VIRGINIA SITE PLAN FIRST CHURCH OF GOD KANAWHA COUNTY, WEST VIRGINIA SCALE: NTS DRAWING NO. 97206-5

DRAWN BY: RKM

CHECKED BY: MEP



SECTION B.3 - DAM SAFETY EXPERIENCE

- Civil Tech Experience: Civil Tech's dam experience over the last 30 years has included approx. 70 Dam Modification Projects ranging in cost from \$50,000 to \$1,700,000. We are also currently working on 7 new dam modification projects. All dam projects involve civil, environmental, geotechnical, surveying/mapping, construction monitoring, and contract administration. We believe this experience makes our firm uniquely qualified for AML Design Work. A partial listing of our dam projects is provided below.
 - 1. Rollins Dam, Evans, WV
 - 2. Seneca Dam, Pocahontas Co., WV
 - 3 Teter Creek Dam, Barbour Co. WV
 - 4. Wells Lock and Dam, Elizabeth, WV
 - 5. Handley Dam, Handley WMA, Pocahontas Co., WV
 - 6. Anawalt Flood Damage Repair, Anawalt, WV
 - 7. Old Pond 11, McClintic WMA, Mason Co., WV
 - 8. Burches Run Breach Plan, Moundsville, WV
 - 9. Edwards Run Dam, Cacapon Bridge, WV
 - 10. Culloden PSD Dam, Culloden, WV
 - 11. Belington Water Supply Dam, Belington, WV
 - 12. Cedar Lakes Dam No.s 1 and 2, Ripley, WV
 - 13. Joyce Lake Dam, Clarksburg, WV
 - 14. Tailings Pond No. 2, Bessemer City, NC
 - 15. City of Thomas Dam, Thomas, WV
 - 16. Fly Ash Dam, FMC Peroxide Plant, So. Charleston, WV
 - 17. Dickenson Dam, FMC Sportsman's Club, Hurricane, WV
 - 18. Brood Pond Dam, FMC Sportsman's Club, Hurricane, WV
 - 19. Winterplace Dam Modification, Winterplace Ski Resort
 - 20. Wilson Big Hollow Dam, Hampshire Co. WV
 - 21. Burches Run Dam, Marshall Co., WV
 - 22. Moncove State Park Dam, Monroe Co., WV
 - 23. Winterplace Dam Reservoir Enlargement, Winterplace Ski Resort
 - 24. Bailey Dam Rehab, Monongalia Co. WV
 - 25. Lemley Dam Rehab, Monongalia Co. WV
 - 26. Deegan Dam Modification, Bridgeport, WV
 - 27. Hinkle Dam Modification, Bridgeport, WV
 - 28. Stony River Dam Breach, Grant Co., WV
 - 29. Mill Run Dam Modification, Mt. Top PSD, Grant Co., WV
 - 30. Mt. Storm Lake Dam Flip Bucket Stabilization, Dominion Generation
 - 31. Temperature and Flow Measurement Weir Design, Dominion Generation
 - 32. White Dam Modification, Private Owner, Sissonville, West Virginia

| 33. Berwind Dam Modification, Berwind WMA 34. Long Branch Dam Modification, Pipestem State Park 35. Mt. Storm Gate Modification, Mt. Storm Power Station 36. Jimmy Lewis Drain Pipe Repairs, Pinnacle Rock State Park 37. Reservoir and Park Dams, Cacapon State Park 38. Bear Rocks Dams # 1 and 2 | | |
|--|--|--|
| Civil Tech has completed 70 dam modification projects and are currently working on 7 new dam projects. Certificates of approval have been applied for and obtained at a 100% success rate from the WVDEP Dam Safety Section. | | |
| Our projects include; new dams, rehabilitation, flood damage repair, and emergency repair. | | |
| Periodic Safety Inspections are routinely performed on nearly 70 dams. | | |
| Experience: Prior to forming Civil Tech in 1996, our principals were onsible for: | | |
| 11 Dam Modification Projects ranging in cost from \$ 300,000 to \$ 1,300,000. These dams are listed below: | | |
| Jimmy Lewis Dam, Mercer Co., WV Plum Orchard Dam, Fayette Co., WV Boley Dam, Babcock State Park Anawalt Dam, Anawalt, WV Warden Lake Dam, Hardy Co., WV Burches Run Dam, Moundsville, WV Castlemans Run Dam, Wheeling, WV No. 1 Impoundment, Union Carbide No. 2 Impoundment, Union Carbide No. 3, Impoundment, Union Carbide Mill Creek Dam, Columbia Gas | | |
| Certificates of Approval were obtained for all projects. | | |
| Numerous Safety Inspections were also performed. | | |
| ards: First recipient of the WVDEP Environmental Excellence Award 2010 – Safe as Category. | | |
| ovation: Civil Tech specializes in the use of innovative techniques including the use of er Compacted Concrete in dam rehabilitation. We have successfully completed seven | | |

dam rehabilitation projects using RCC in West Virginia. Dam Break Analysis and Risk Assessment: Civil Tech has successfully used dam break analysis and risk assessment to reduce the hazard classification of many of our dam projects. This analysis resulted in a reduction in the design storm and substantial savings for our clients. Facility Improvements: Our dam rehabilitation projects have resulted in facility improvements including: Access For Fishermen. Boat Launching Ramps. Access Roads. Parking Facilities. Walkways Handicap Access. Toilet facilities. Maintenance of Facility: Our personnel are sensitive to the dam setting and make every effort to complete our projects with minimal disruption of the facility. Our designs are practical and planned to fit the site. <u>Project Photographs:</u> Representative photographs and sample drawings illustrating our Dam Rehabilitation experience are included herein.

CIVIL TECH ENGINEERING INC. "Attention to Detail"



THOMAS DAM MODIFICATION, THOMAS, WV



TETER CREEK DAM MODIFICATION, BARBOUR CO., WV



BELINGTON DAM MODIFICATION, BELINGTON, WV



WILSON DAM MODIFICATION, HAMPSHIRE CO., WV

CIVIL TECH ENGINEERING INC. "Attention to Detail"



OLD ANAWALT DAM FLOOD DAMAGE REPAIR, MCDOWELL CO., WV



BAILEY DAM MODIFICATION, MONONGALIA CO., WV

CIVIL TECH ENGINEERING INC. "Attention to Detail"



LEMLEY DAM MODIFICATION, MONONGALIA CO., WV



MONCOVE DAM MODIFICATION, MONROE CO., WV

CIVIL TECH ENGINEERING INC. "Attention to Detail"



SENECA DAM MODIFICATION, POCAHONTAS CO., WV



PLUM ORCHARD DAM MODIFICATION, FAYETTE CO., WV

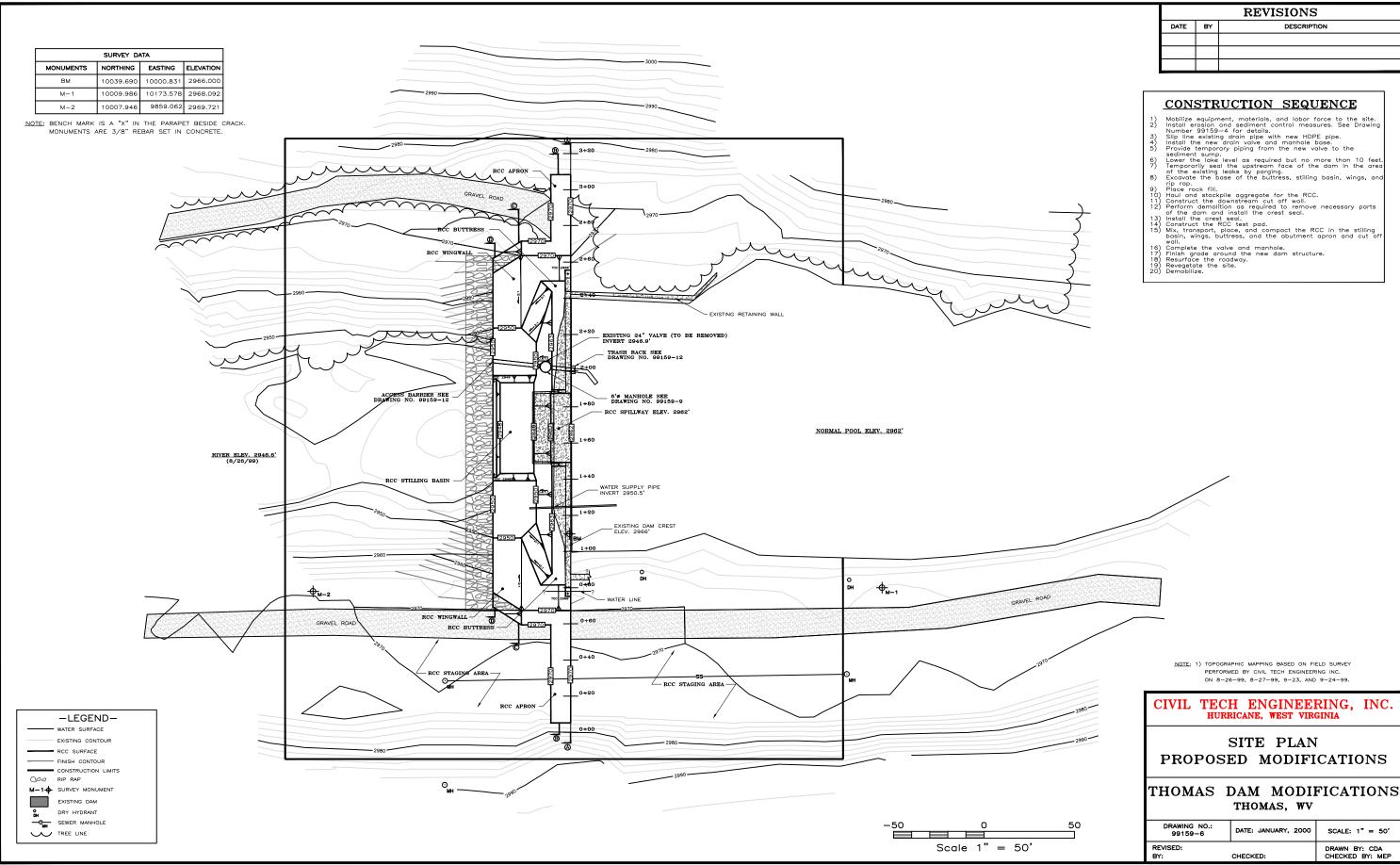
CIVIL TECH ENGINEERING INC. "Attention to Detail"

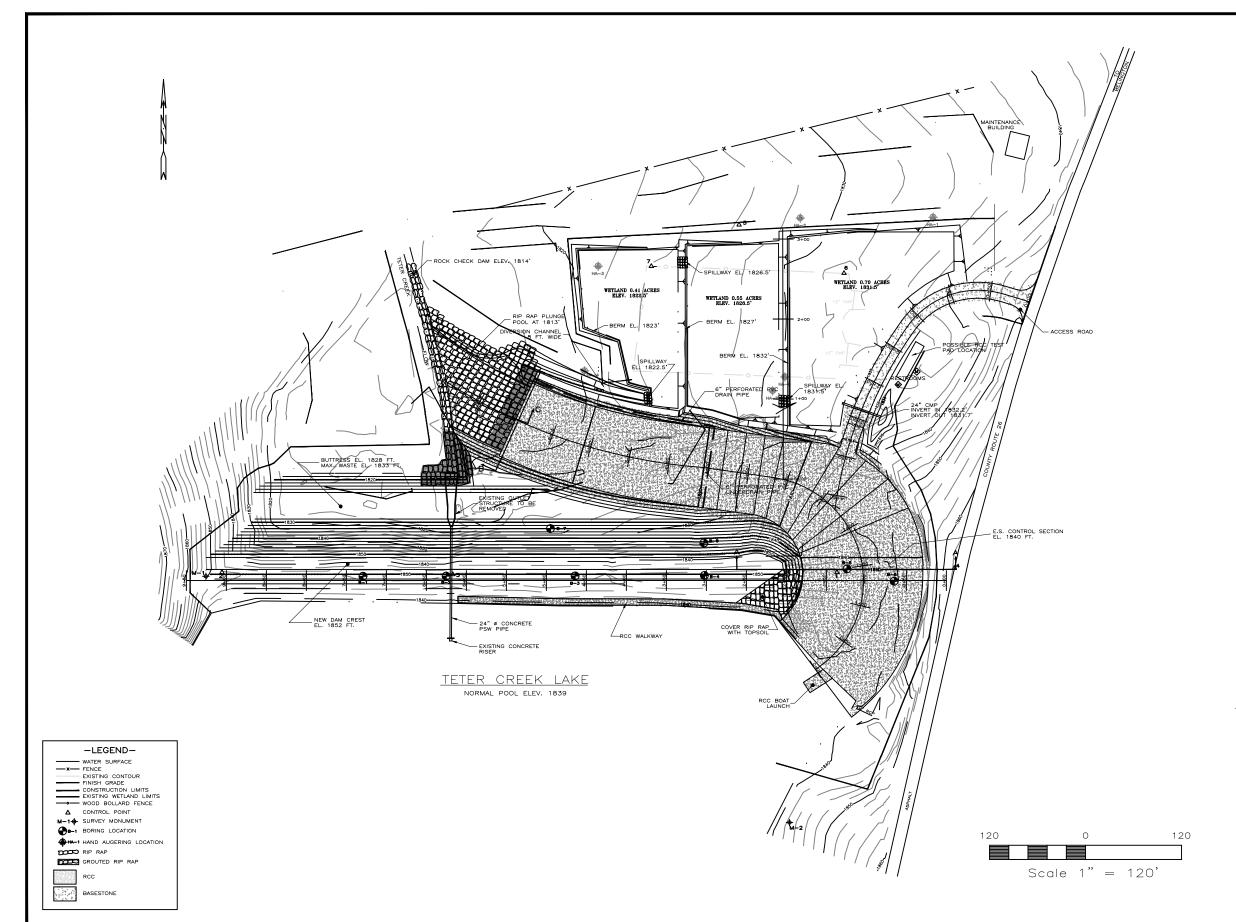


JIMMY LEWIS DAM MODIFICATION, MERCER CO., WV



WARDEN LAKE DAM MODIFICATION, HARDY CO., WV





| | REVISIONS | | | | | |
|---------|------------|---|--|--|--|--|
| DATE | BY | DESCRIPTION | | | | |
| 2/22/00 | RKM BDJ | ADDED PLUNGE POOL, RCC ON BEGINNING OF SPILLWAY, AND ADDED WETLAND. | | | | |
| 3/16/00 | BDJ | REMOVED BERM AND RIGHT CUT OFF WALL, AND ADDED RIP RAP. | | | | |
| | | | | | | |

| SURVEY DATA | | | | |
|---------------|-----------|-----------|-----------|--|
| CONTROL POINT | EASTING | NORTHING | ELEVATION | |
| 1 | 10000.000 | 10000.000 | 1846.990 | |
| 2 | 9231.321 | 10000.084 | 1846.407 | |
| 3 | 9519.762 | 9997.425 | 1846.647 | |
| 4 | 10146.893 | 10005.343 | 1862.302 | |
| 5 | 9877.703 | 10434.459 | 1826.188 | |
| 6 | 10008.915 | 10373.994 | 1835.135 | |
| 7 | 9767.961 | 10382.644 | 1826.185 | |
| M – 1 | 9211.162 | 9995.140 | 1850.663 | |
| M-2 | 9940.742 | 9687.215 | 1844.266 | |

NOTE; MONUMENTS ARE 1/2" REBAR

- NOTES: 1) REFER TO DRAWING NO. 98114-4 FOR PARKING LAYOUT, WALKWAY, AND BOAT RAMP INFORMATION.
 2) SEE DRAWING NO. 98114-7 FOR SECTIONS A-A AND B-B
 - 3) E&S MEASURES SHOWN ON DRAWING NO. 98114-3.
 - 4) SEE DRAWING NO. 98114-20 FOR SECTION C-C

CIVIL TECH ENGINEERING, INC. ST. ALBANS, WEST VIRGINIA

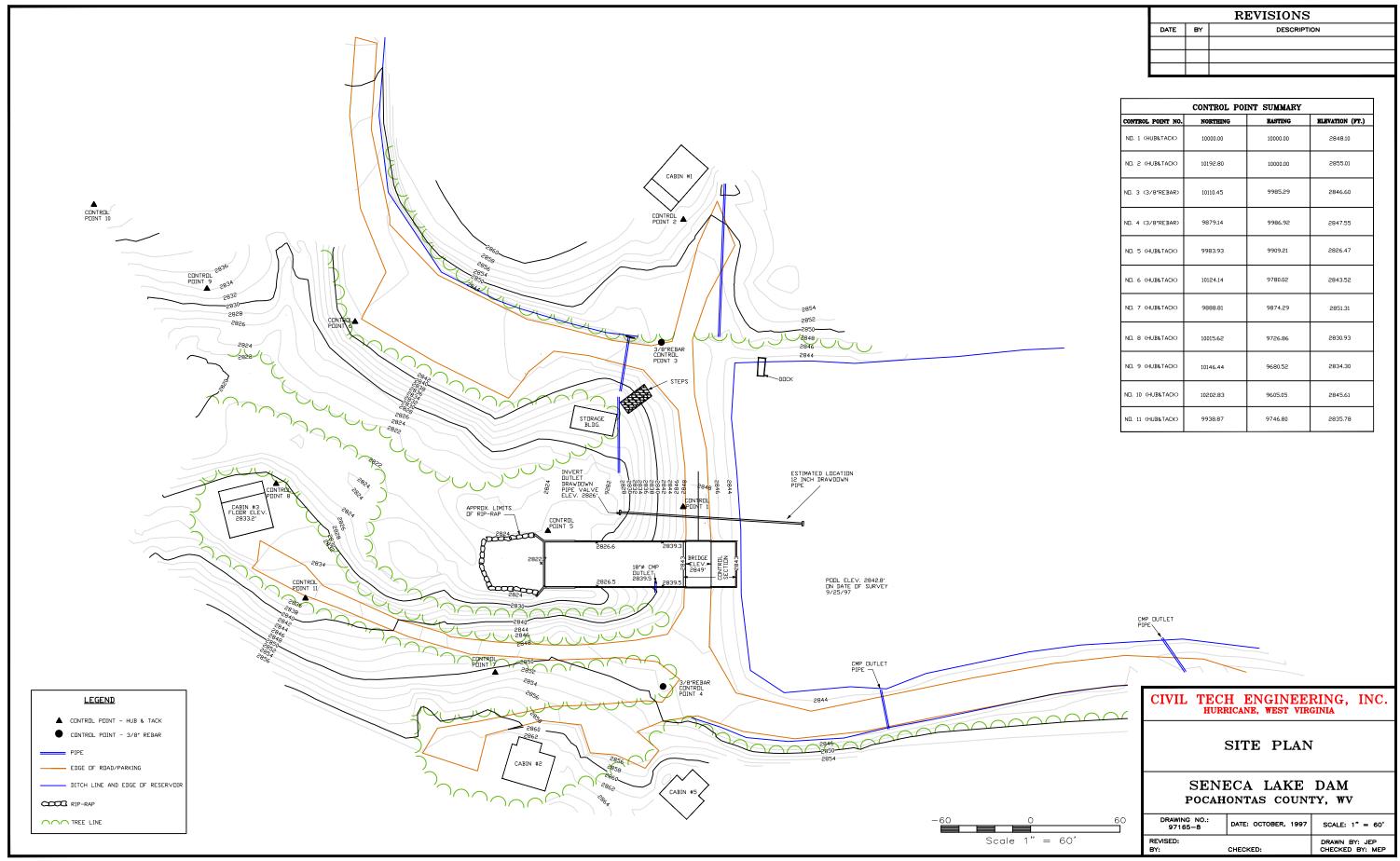
SITE PLAN PROPOSED MODIFICATIONS

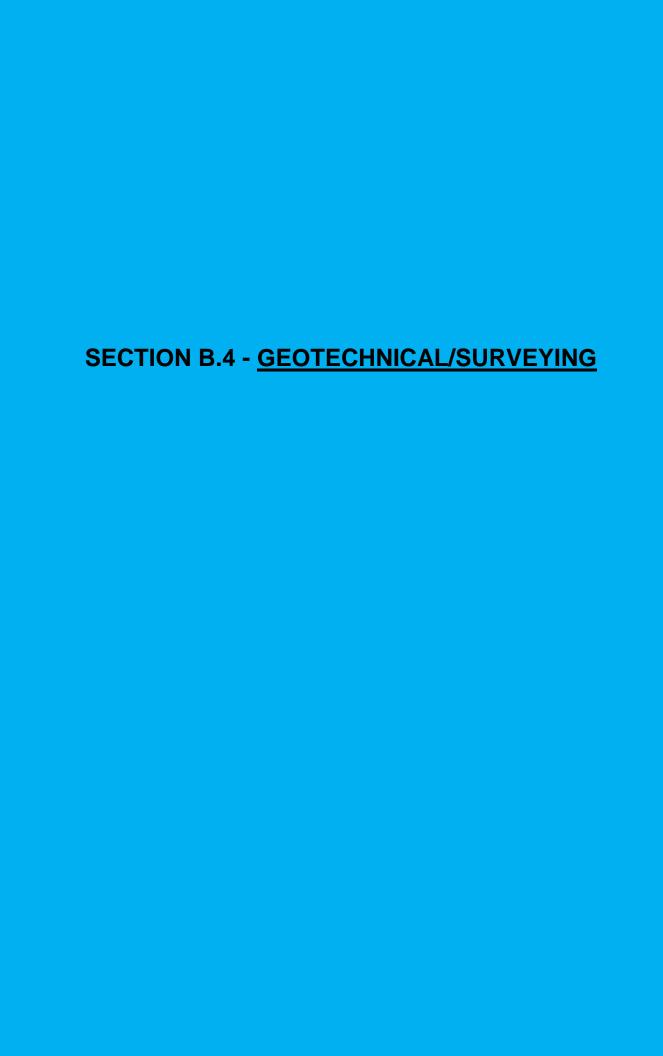
TETER CREEK LAKE DAM BARBOUR COUNTY, WEST VIRGINIA

DRAWING NO.: 98114-7

DATE: APRIL 8, 1999

SCALE: 1" = 120' DRAWN BY: JCH, RKM CHECKED BY: MEP





$\underline{\textbf{SECTION B.4}} - \underline{\textbf{GEOTECHNICAL/SURVEYING}}$

| <u>Civil Tech Experience</u> : Geotechnical engineering is a small, but important part of our business because so much of our work related to dams depends on geotechnical sampling, testing, and analysis. Our principals have a very strong background in this discipline from our history at Triad Engineering. Civil Tech has provided geotechnical services on a variety of projects including; mechanically stabilized walls, water and asphalt storage tanks, commercial buildings, churches, industrial equipment and buildings, etc. Typical projects for which Civil Tech has provided geotechnical engineering services include: | | | |
|--|--|--|--|
| □ Steel of West Virginia Expansion, Huntington, WV □ Service Wire Building Damage Evaluation, Culloden, WV □ First Church of God, Charleston, WV □ Various Water Storage Tanks, WV American Water Company □ Asphalt Storage Tanks, MTI, Gallipolis, Ohio □ Bridge Replacement, Elkem Metals, Alloy, WV □ Zim Bagging, Wayne County, WV □ Wurtland Marine Harbor, Wurtland, KY □ Steel of West Virginia Warehouse - Greenbottom, WV □ HADCO Shell Building - Huntington, WV □ Service Wire Warehouse Expansion, Culloden and Huntington, WV □ Countless Landslides Throughout WV □ Service Wire Warehouse Expansion, Huntington and Culloden, WV □ Waste Site Design, Means and Methods RR Crossings, Rt. 10 Rita to Midway Plaza Highway Project, Man, WV Mt. Storm Station, Conveyor, Crusher, Chiller and other Structures | | | |
| <u>Past Experience:</u> Our principals were directly responsible for large geotechnical projects including: | | | |
| □ Southridge Centre, Charleston, WV □ Ridgeline Development, Charleston, WV □ Cabell East High School, Huntington, WV □ Beckley Federal Prison, Beckley, WV □ Rhodimet Plant, Rhone Poulenc, Institute, WV □ Countless Highway Projects for the WVDOT □ Hazardous and Sanitary Landfills throughout WV, KY, and Ohio □ Over 120 Abandoned Mine Land Projects for the WVDEP | | | |
| <u>Surveying and Mapping:</u> Surveying and mapping services are performed by our inhouse crew using electronic instruments with onboard data collectors, and computer software to reduce data and develop drawings. The work is performed under the direction of one of our Professional Surveyors. Since forming Civil Tech, we have performed field surveying necessary to develop topographic mapping and locate existing site features for most of our ongoing and past engineering projects. Clients have included: | | | |

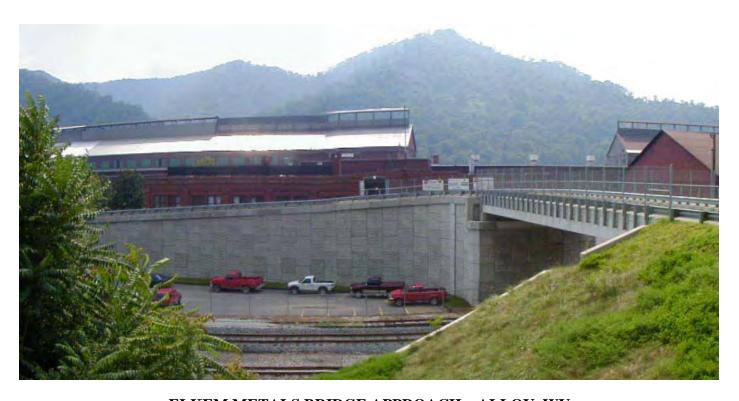
| Steel of West Virginia |
|----------------------------|
| Service Wire |
| FMC Peroxide |
| Simpson - Litman Builders |
| WVDNR - Wildlife Section |
| Joyce Properties |
| City of Thomas |
| City of Belington |
| City of Culloden |
| WVDNR - Parks & Recreation |
| Winterplace Ski Resort |
| Mt. Top PSD |
| NewPage Corporation |
| Dominion Generation |
| WV American Water |
| Mt. Storm Station |
| Private Concerns |

CIVIL TECH ENGINEERING INC. "Attention to Detail"



ASPHALT STORAGE TANK FARM - MIDDLEPORT TERMINALS INC.

- SUBSURFACE INVESTIGATION
- ☐ GEOTECHNICAL ANALYSIS
- ☐ FOUNDATION DESIGN
- □ PLANS AND SPECIFICATIONS
- ☐ CONSTRUCTION CONSULTATION



ELKEM METALS BRIDGE APPROACH - ALLOY, WV

- SUBSURFACE INVESTIGATION
- ☐ GEOTECHNICAL ANALYSIS
- ☐ FOUNDATION RECOMMENDATIONNS
- ☐ CONSTRUCTION CONSULTATION

CIVIL TECH ENGINEERING INC. "Attention to Detail"



FLEMING STREET PROJECT - MONONGAH, WV

- ☐ TOPOGRAPHIC MAPPING
- □ SUBSURFACE INVESTIGATION
- ☐ EROSION AND SLIDE STABILIZATION
- □ PLANS AND SPECIFICATIONS
- □ BIDDING
- □ CONSTRUCTION CONTRACT ADMINISTRATION



SARVER LANDSLIDE PROJECT – HURRICANE, WV

- ☐ TOPOGRAPHIC MAPPING
- □ SUBSURFACE INVESTIGATION
- ☐ GEOTECHNICAL ANALYSIS
- □ DRILLED PILE WALL DESIGN AND GRADING OPTION
- □ PLANS AND SPECIFICATIONS
- □ BIDDING