

Announcement - Invitation to Bid
Two Streambank Stabilization Construction Project
Leamer Property – Clover Creek
Seven Falls Angler Club – Clover Creek

The Blair County Conservation District (BCCD) at 1407 Blair Street Hollidaysburg, Pennsylvania is accepting bids to construct two (2) Streambank Stabilization Projects located in Blair County, Pennsylvania. This is a request for qualified contractors to provide a full project bid on constructing both projects listed in the Cover Sheet below. These stream bank stabilization projects are to be constructed in the summer of 2024. Consulting members from BluAcres LLC will provide construction oversight.

COVER SHEET

1. Leamer Property project location: 233 Mocks Bridge Rd Williamsburg, PA 16693

Site Showing:

A **mandatory** site showing will be conducted on **May 21, 2024 at 9:00 AM** at 233 Mock Bridge Road Williamsburg, PA

Work Performance Timeframe:

Work may begin on **June 18, 2024** upon execution of the agreement and when stream conditions are at Low Flow. The work at this site must be completed by **July 5, 2024**.

Brief description of work includes: Modified muddsill structures, two log framed deflectors, and installation and re-grade bank area (bankfull bench)

2. Seven Falls Angler’s Club location: 1137 Biddle Road Williamsburg, PA 16693

Site Showing:

A **mandatory** site showing will be conducted on **May 21, 2024 at 10:00 AM** at 1137 Biddle Road Williamsburg, PA 16693

Work Performance Timeframe:

Work may begin on **July 8, 2024** upon execution of the agreement and when stream conditions are at Low Flow. The work at this site must be completed by **July 22, 2024**.

Brief description of work includes: Three modified muddsill structures, four rock cross vanes, three randomly placed boulders, and a single log vane deflector.

Work for each project must begin and end as stated in the above Work Performance Timeframe, upon Execution of Agreement, and when satisfactory stream conditions exist.

Both projects listed in this *Invitation to Bid* package must be completed by July 22, 2024.

Included in this bid package: Proposal Submittal Details, General Requirements Description of Work (1. Leamer Property and 2. Seven Falls Angler’s Club Property), Bid Schedules (Attachment A-1 and Attachment A-2/~~3~~ Leamer and Seven Falls) Designs and Erosion/Sedimentation Control Plan (Leamer and Seven Falls), Non-Discrimination/Sexual Harassment Clause, Bonds/Insurance detail, Payment Bond form, Performance Bond form, Certification of Substantial Completion form, Change Order form, Davis-Bacon-Prevailing Wage Rates (printed 5/6/2024)

Bids can be Hand Delivered or Mailed to:

Beth Futrick
Blair County Conservation District
1407 Blair Street
Hollidaysburg, PA 16648
ATTN: Two Streambank Projects - BID

Bids must be in a sealed envelope with ATTN: Two Streambank Projects – BID written on the envelope. Include the original plus three copies and deliver before **3:00 PM June 11, 2024**.

The Bid Opening will take place at the Blair County Conservation District office at **3:00 PM June 11, 2024**. Delivery of the bid package must be received prior to this time or the package is invalidated.

Bids will be accepted for review and awarded or rejected at the board meeting of the Blair County Conservation District on **June 17, 2024 at 7:30 pm** local time at the big pavilion at **NatureWorks Park – 108 Bedford Street Hollidaysburg, PA 16648**.

Proposal Submittal Details

Proposal Requirements:

Submit an original plus three (3) copies of your written proposal. Please list only the equipment and personnel that will be made available for this work. Those proposals not adhering to these instructions will be removed from consideration. Your proposals should contain the following:

1. A brief overview of your business,
2. Statement of related experience,
3. A general statement of organization and qualifications,
4. The names of at least three (3) references that you have done similar work for over the past five years.
5. Statement of price - Please fill in your bid price for Leamer's project on the Bid Schedule Attachment A-1, and the bid price for Seven Falls Angler's Club on the Bid Schedule Attachment A-2. Please combine the two bids and list them on the "Combined Bid Schedule" - Attachment A-3. **List contractor information, Tax ID number and sign.**

Evaluation and Selection:

Proposals will be evaluated by the staff of BCCD and its designees and reserves the right to designate secondary contractors and award work at its discretion. BCCD reserves the right to postpone or cancel receipt of bids, and to accept or to reject any and all bids in whole or in part if the best interest of BCCD will be served thereby.

Submittal of Proposal:

Proposals will be received by Hand Delivered or Mailed envelope before 3:00 PM June 11, 2024

Addressed to:

Blair County Conservation District
1407 Blair Street
Hollidaysburg, PA 16648
ATTN: Two Streambank Stabilization - BID

Bid Opening:

The Bid Opening will take place at the Blair Conservation District office at 3:00 PM June 11, 2024

General Requirements

1. **CONTRACTOR'S REPRESENTATIONS:** The contractor, by making a Bid, represents that (a) the contractor has read and understands the proposal documents, terms and conditions, and the bid is made in accordance therewith; and (b) the bid is based upon the materials, equipment, systems, or services specified.

2. **SUBMISSION OF PROPOSALS:** The bid and other documents required to be submitted with the proposal shall be received via Hand Delivered or Mailed in a sealed opaque envelope. The envelope shall be addressed to the party receiving the proposals and shall be identified as a "Sealed Proposal". Proposals shall be delivered and deposited at the designated location prior to the time and date for receipt of proposals. Proposals received after the time and the date for the proposal opening will be returned unopened. The vendor shall assume full responsibility for timely delivery at the location designated for receipt of proposals.

3. **MODIFICATION OR WITHDRAWAL OF PROPOSALS:** Prior to the time and date designated for receipt of proposals, a proposal submitted may be modified or withdrawn by notice to the party receiving proposals at the place designated for receipt of proposals. Such notice shall be in writing over the signature of the vendor and shall be received prior to the designated time and date for receipt of proposals. A modification shall be worded so as not to reveal the amount of the original proposal.

4. **OPENING OF PROPOSALS:** Bids shall be opened by BCCD shortly after the time and date proposals are due.

5. **REJECTION OF PROPOSALS:** BCCD shall have the right to reject any and all bids, in whole or part; and to reject proposals not accompanied by data required by the bid documents; or to reject a bid, which is in any way incomplete or irregular.

6. **ACCEPTANCE OF PROPOSAL (AWARD):** It is the intent of BCCD to award a contract to the contractor who can demonstrate the necessary experience to complete the scope of work. BCCD shall have the right to waive informalities or irregularities in a bid received and to accept the bid, which in the BCCD's judgment, is in the BCCD's own interests.

7. **TAX EXEMPTION:** The Blair County Conservation District is exempt from federal and state taxes and will not pay or reimburse such taxes.

8. **PREVAILING WAGE:**
 - Successful bidders for the projects will be required to comply with the Davis-Bacon Act (40 USC 276a to a-7) as supplemented by Department of Labor regulations (29 CFR, Part 5).

9. **PAYMENT:** Upon satisfactory completion of each project, a lump sum payment shall be made within 30 days of receipt of an invoice with copies of certified payroll
 - A **Certificate of Substantial Completion** form #00575 must be signed by BCCD staff and Contractor to verify that All Work is completed after each job site is finished.

10. **INSURANCE:** Before the issuance of a contract, and before commencing any Work, the Vendor shall furnish a certificate, satisfactory to BCCD, from each insurance company showing

that the above insurance is in force, stating policy numbers, dates of expiration, and limits of liability thereunder, and further providing that the insurance will not be canceled or changed until the expiration of at least thirty (30) days after written notice of such cancellation. The Blair County Conservation District must be listed as an "Additional Insured" on all policies. }

INSURANCE: Vendor shall furnish proof of coverage of Commercial General Liability Insurance.

The minimum amount of insurance coverage required is \$1,000,000. }

COMPREHENSIVE AUTOMOBILE LIABILITY INSURANCE: Vendor shall furnish proof of Comprehensive Automobile Liability Insurance covering all owned, non-owned, and hired automobiles used in connection with the services agreed upon in this contract. The minimum amount of coverage required is \$1,000,000. }

WORKMAN'S COMPENSATION INSURANCE: per Pennsylvania statutory limits.

11. MISCELLANEOUS: Discussions and interviews may be held with contractors under final consideration prior to selection for award; however, proposals may be accepted without such discussions or interviews. In the event that mutually acceptable terms cannot be reached within a reasonable period of time, BCCD reserves the right to undertake negotiations with the next most advantageous vendor without undertaking a new procurement process.

12. SIGNING OF CONTRACT: The contract MUST be signed and returned to BCCD along with insurance documentation before any transactions take place. Otherwise, the contract will be awarded to the next lowest responsible vendor.

- Before signing the contract, we require the following documents to be completed, signed and submitted:
 1. A Non-Discrimination /Sexual Harassment Clause (Exhibit A)
 2. A completed **Performance Bond** form # 00610
 3. A completed **Payment Bond** form # 00620
 4. Certificate of Insurance (see attached detail - **Article 6 - Bonds and Insurance**)

13. Any modifications of the work that would modify the contract must be discussed and approved by BCCD staff and documented in the **Change Order** form #00545

****example of forms are attached to this bid package****

ATTACHMENT 3

COMBINED BID SCHEDULE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i># UNITS</i>	<i>EST. COST PER UNIT</i>	<i>TOTAL ESTIMATED COST</i>
1. Leamer Property	223 Mock Bridge Rd Williamsburg, PA	EA	1		
2. Seven Falls Angler's Club	1137 Biddle Rd Williamsburg, PA	EA	1		
TOTAL=					

Contractor's Information needed for contacting the Contracting Representative

Name of Company: _____

Company's Address: _____

Phone Number: _____

E-mail Address: _____

Fed Tax ID (EIN): _____

Authorization Signature (Signed in Ink): _____

Date: _____

1. Description of Work for Streambank Stabilization for Leamer Property Project

The Blair County Conservation District (BCCD), requests full project bid from qualified contractors to construct streambank stabilization practices at the Leamer Property. BluAcres LLC completed a design included in this bid package. Mr. Leamer has the appropriate permit for this work in the stream.

Project Location: Mr. Leamer's Property
233 Mocks Bridge Road
Williamsburg, PA
Woodbury Township, Blair County
Lat/Long 40.42849 -78.20513

- An Erosion and Sediment Pollution Control Plan is included in the design plan. The contractor shall be responsible for implementing the plan and maintaining the controls, including any additional measures which may be required to minimize sedimentation.
- The contractor shall be responsible for placing a PA One Call notification a minimum of three (3) business days, but not more than ten (10) business days prior to the start of excavation.
- This project is financially supported by The National Fish & Wildlife Foundation (a federal funded program). Therefore, the Contractor will be required to comply with the wage and labor requirements in accordance with the Davis-Bacon Act, and to pay minimum wages in accordance with the schedule of print wage rates established by the United States Department of Labor Wage determination (SAM.gov) is included in this package (Determination/Publication on May 3, 2024)
 - <https://sam.gov/content/home>
- Stream Bank Stabilization improvements will include:
 - Mudsill approximately 75 feet
 - Two Log Vanes – using 12-foot-long hemlock log.
 - Reconstructed stabilized bank – approximately 200 tons of material.

Timeframe:

Work may begin on **June 18, 2024** upon execution of the agreement and when stream conditions are at Low Flow. The work at this site must be completed **by July 5, 2024**. The selected contractor will move directly to the Seven Falls Angler's Club site to start construction.

Site Showing:

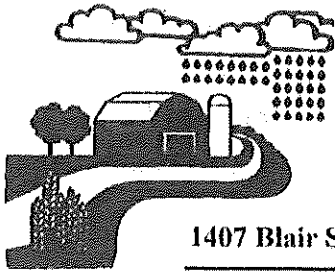
A mandatory site showing will be conducted on **May 21, 2024 at 9:00 AM** 233 Mocks Bridge Road Williamsburg, PA

ATTACHMENT 1

Leamer Property
Clover Creek
Streambank Stabilization Project
Blair County, Pennsylvania

BID SCHEDULE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i># UNITS</i>	<i>EST. COST PER UNIT</i>	<i>TOTAL ESTIMATED COST</i>
1. Mobilization	Includes all necessary costs associated with mobilizing and demobilizing equipment to and from site.	LS	1		
2. Modified Mudsill	Includes all necessary costs associated with constructing the Mudsill.	LF	75		
3. Log Vane	Includes all labor and equipment necessary to construct the Log Vane structure as specified.	EA	2		
4. Dirt/Rock Fill	Includes all labor and material necessary to move, position, and stabilize the dirt and rock fill as specified	LS	1		
5. Bankfull Bench	Includes all labor and material necessary to fill the slope protection as specified.	TON	200		
6. Erosion Control and Seeding	Includes all labor, material and equipment necessary to perform seeding of bank and all disturbed areas for the effective control of potential erosion.	AC	0.5		
7. Erosion Control	Includes labor, material and equipment to control erosion onsite as deemed necessary and as specified by the Erosion and Sedimentation Control Plan.	LS	1		
SUBTOTAL=					



BLAIR COUNTY CONSERVATION DISTRICT



www.blairconservationdistrict.org

1407 Blair Street • Hollidaysburg, PA 16648 • (814) 696-0877 Ext. 5 • Fax (814) 696-9981

October 11, 2023

Robert Leamer
233 Mocks Bridge Road
Williamsburg, PA 16693

RE: Erosion & Sedimentation Control Plan Approval
Clover Creek Stream Restoration
Woodbury Township
Blair County, Pennsylvania

Dear Mr. Leamer:

The Blair County Conservation District has reviewed the above referenced project with regard to erosion and sediment pollution control measures. The plan, with final copies received September 28, 2023, was found adequate to control accelerated erosion caused during the construction of the Clover Creek Stream Restoration, if implemented as planned.

Tyne Blazier, Resource Conservation Technician, completed a technical review of this plan on October 11, 2023. **This approval is valid for two (2) years – a SINGLE 1 year extension may be granted provided that a written request for extension is received at the Conservation District Office 30 days prior to expiration, along with a \$50.00 administrative fee.** Any changes or modifications to the approved erosion and sediment control plan would require re-submittal of the plan.

The Blair Conservation District does not perform a technical review of the storm water management facilities, nor do we comment on the adequacy of the storm water management plan. The District will only perform a technical review of facilities needed to meet the requirements of Chapter 102, Erosion Control. This plan has not been reviewed for the adequacy of, nor does it give any approval or disapproval of: the storm water management controls, the sewage plan, wetland disturbance, or any other items not specified in Chapter 102, **Erosion Control**, of the Pennsylvania Clean Streams Law.

The Conservation District reviews this plan solely to determine whether it is adequate to satisfy the requirements of 25 PA CODE 102.1 et.seq., the erosion control regulations for the Department of Environmental Protection. By a determination that the plan is adequate to meet these requirements,



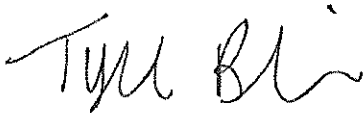
- Resource Conservation Since 1966 -



neither the Conservation District nor the County assumes any responsibility for the implementation of the plan, or the proper construction and operation of the facilities contained in the plan.

Please be advised that a copy of the approved erosion and sediment control plan should be available on-site throughout the duration of the project. Inspectors from the Blair County Conservation District and/or PA Department of Environmental Protection may conduct periodic inspections of the earth disturbance site.

Sincerely,

A handwritten signature in black ink, appearing to read "Tyne Blazier". The signature is fluid and cursive, with a prominent initial "T" and a long, sweeping underline.

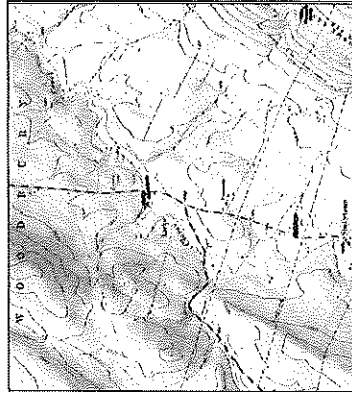
Tyne Blazier
Resource Conservation Technician

Copy sent to:

BCCD File
BluAcres
Woodbury Township

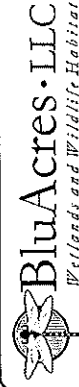
LEGEND

- EXISTING CONTOUR
- LIMIT OF CONSTRUCTION
- SOIL TYPE
- EXISTING THALWEG
- EXISTING STREAMBANK
- PROPOSED STREAMBANK
- FILL AREA
- STAGING AREA
- EXISTING POINT BAR



USDA SOILS
 Hs - Heavy
 HxC2 - Hubbardburg heavy silt clay loam (8-15%)
 Lp - Labeled silt loam

GRAPHIC SCALE



DATE	9/9/2023
SCALE	1" = 40'
TITLE	EROSION AND SEDIMENT CONTROL PLAN
PROJECT	CLOVER CREEK STREAM RESTORATION
TOWNSHIP	WOODBURY TOWNSHIP
COUNTY	BLAIR COUNTY, PENNSYLVANIA
PROJECT NO.	Clover Creek Restoration.dwg
SHEET	1 of 4



TWO-PLY SYSTEMS

INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES 3/4" X 3/4" MAX. APERTURE SIZE
INNER CONTAINMENT NETTING	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE MECHANICALLY FUSED VIA NEEDLE-PUNCHED) 3/8" MAX. APERTURE SIZE

SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.

FILTRIXX & JMD

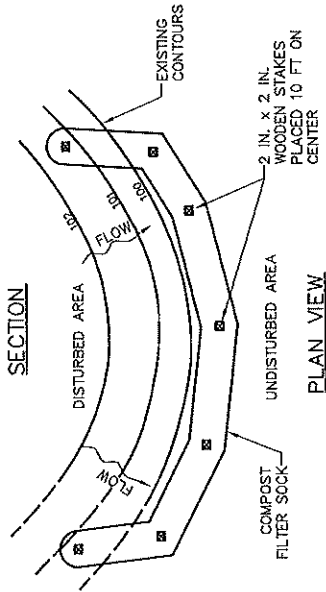
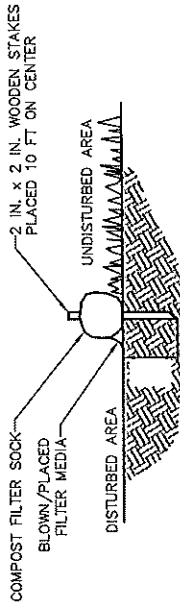
**TABLE 4.2
COMPOST STANDARDS**

ORGANIC CONTENT MATTER	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.5
MOISTURE CONTENT	30% - 60%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 ds/m (mmhos/cm) Maximum

FILTRIXX

**TABLE 4.1
COMPOST SOCK FABRIC
MINIMUM SPECIFICATIONS**

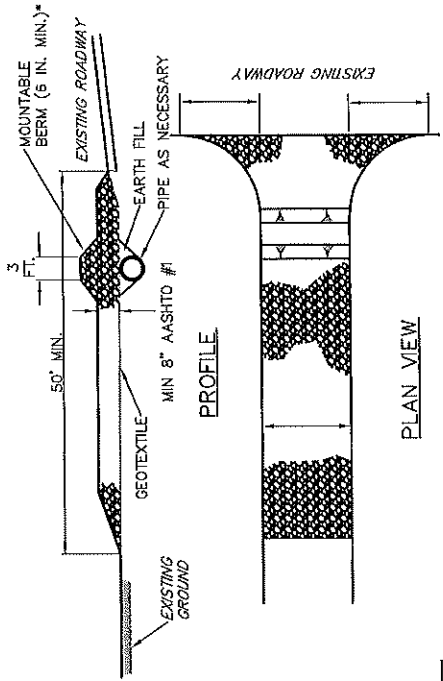
MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HMFPF)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"	12" 18" 24" 32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	3/8"
TENSILE STRENGTH	26 psi	26 psi	44 psi	202 psi	202 psi
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM D-155)	23% AT 1000 hr.	23% AT 1000 hr.	100% AT 1000 hr.	100% AT 1000 hr.	100% AT 1000 hr.
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEARS



NOTES:
 SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
 COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 6 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE MAIN BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
 TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
 ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR.
 POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK**

NOT TO SCALE



PLAN VIEW

* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

- REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
- RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
- MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED
- MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH ROCK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE**

NOT TO SCALE

BluAcres LLC
Wetlands and Wildlife Habitat
 12 BAKER STREET, WOODBURY, PA 17267
 (717) 497-1000 • www.bluacres.com

DATE	6/6/2023
DRAWN BY	JML/ZOW
CHECKED BY	JML
SCALE	AS SHOWN
EROSION AND SEDIMENT CONTROL DETAILS	
CLOVER CREEK STREAM RESTORATION	
WOODBURY TOWNSHIP	
BLAIR COUNTY, PENNSYLVANIA	
JOB NO.	Clover Creek Restoration.dwg
PAGE NO.	2 of 4

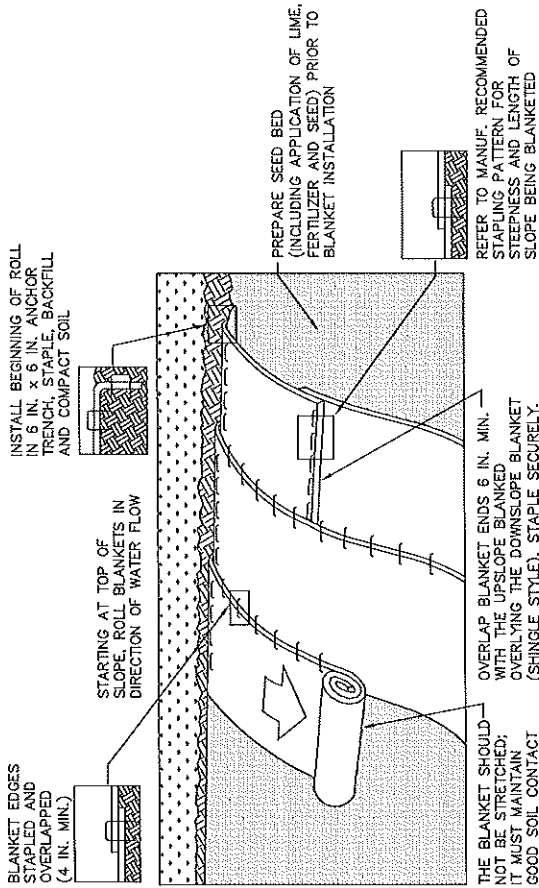
DESCRIPTION:
 THE BioD-MAT 70 BLANKET IS WOVEN FROM MACHINE TWISTED BRISTLE COIR TWINES. THE BEST QUALITY COIR FIBER, THIS 100% BIODEGRADABLE, STRONG AND DURABLE BLANKET PROVIDE HIGHER EROSION RESISTANCE WHILE SUPPORTING GROWTH AND DEVELOPMENT OF VEGETATION. THESE SEMI-PERMANENT MATS HAVE FUNCTIONAL FIELD LONGEVITY OF 4-6 YEARS. IF THE VEGETATION FAILS TO ESTABLISH, THE OPEN WEAVE IN THE MAT ALLOWS SEEDING OVER THE MAT. BioD-MAT 70 BLANKETS ARE MANUFACTURED TO CONFORM TO THE FOLLOWING PHYSICAL PROPERTIES.

SPECIFICATIONS

PROPERTY	TEST METHOD	BioD-MAT 70
WEIGHT	ASTM D 3776	23 oz./SY (780 g/m ²)
WIDE WIDTH TENSILE STRENGTH WET MACHINE DIRECTION CROSS DIRECTION	ASTM D 4595	1488 lbs/ft (21.7 kN/m) 1032 lbs/ft (15.1 kN/m)
WIDE WIDTH TENSILE STRENGTH DRY MACHINE DIRECTION CROSS DIRECTION	ASTM D 4595	1740 lbs/ft (25.4 kN/m) 1176 lbs/ft (17.2 kN/m)
ELONGATION AT FAILURE WET MACHINE DIRECTION CROSS DIRECTION	ASTM D 4595	38% 25%
OPEN AREA	CALCULATED	48%
THICKNESS	ASTM D 1777	0.35 inch (9 mm)
RECOMMENDED SHEAR STRESS		4.54 lbs./sq.ft. (215N/sq.m.)
RECOMMENDED FLOW		12 fps (3.7m/s)
RECOMMEND SLOPE		1:1
MINIMUM TWINE COUNT PER FOOT MD x CD		27 x 18

BioD-MAT 70 IS AVAILABLE IN THE FOLLOWING ROLL SIZES:


- 3.28ft x 83ft (30SY) = 1m x 25m (25sq. m)
- 6.5ft x 166ft (120SY) = 2m x 50m (100sq. m)
- 9.8ft x 166ft (180SY) = 3m x 50m (150sq. m)
- 13.1ft x 83ft (120SY) = 4m x 25m (100sq. m)



NOTES:
 SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
 PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
 SLOPE SURFACE SHALL BE FREE OF ROCKS, CLOGS, STICKS, AND GRASS.
 BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
 THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MAINTENANCE.
 BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

**STANDARD CONSTRUCTION DETAIL #11-1
 EROSION CONTROL BLANKET INSTALLATION**

NOT TO SCALE



BluAcres • LLC
Wetlands and Wildlife Habitat
12 BROAD STREET, WILMINGTON, PA 19807
 (814) 407-0781 • www.bluacres.com

DATE: 6/9/2023

PROJECT: TWP 75W

TOWN: WOODBURY TOWNSHIP

COUNTY: BLAIR COUNTY, PENNSYLVANIA

PROJECT: EROSION AND SEDIMENT CONTROL DETAILS
 CLOVER CREEK STREAM RESTORATION
 WOODBURY TOWNSHIP
 BLAIR COUNTY, PENNSYLVANIA

DATE: 6/9/2023

PROJECT: Clover Creek Restoration.dwg

SCALE: -

SHEET: 3 of 4

STANDARD EROSION AND SEDIMENTATION CONTROL NOTICES.

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED EAS PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL NOTIFY ALL CONTRACTORS, THE LANDOWNER, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1179 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES. PLAN DRAWINGS.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS.
- AS EAS TO BE BULDED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE EAS PLAN. CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE EAS BMP'S SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS EAS PLAN.
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. STOCKPILES SHALL BE LOCATED AT LEAST 50 FEET FROM ALL DRAINAGES. STOCKPILE HEIGHTS SHALL NOT EXCEED 3.5 FEET. STOCKPILE SLOPES SHALL BE 2:1 HORIZONTAL TO 1 VERTICAL.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS.
- ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN EAS PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL IN THIS PLAN, OVER UNDERSTAND VEGETATED AREAS.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN.
- THE SITE IS STABILIZED. ALL EROSION AND SEDIMENT BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMP'S AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RESETTING MUST BE PERFORMED IMMEDIATELY.
- A LOG SHOWING DATES THAT EAS BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE SAME TIME OF INSPECTION.
- SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE. ALL MATERIALS SHALL BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIAL FOR EMBANKMENTS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIALS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOIL, OR OTHER EROSION OR SEDIMENT CAUSING MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. OPERATOR SHALL STABILIZE ALL DISTURBED AREAS DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERENNIAL NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION.
- EAS BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS THAT TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.

GENERAL CONSERVATION NOTES AND RECREATIONS

THE MEAN OF THIS PROGRAM IS TO PREVENT ACCELERATED EROSION OF THE EXPOSED SITE SOILS DURING THE CONSTRUCTION AND PERMANENT LIFE PERIODS OF THE PROJECT. THE PROGRAM REQUIRES RETENTION OF SEDIMENTS ON THE CONSTRUCTION SITE TO MINIMIZE THE IMPACT OF EARTH DISTURBANCE ON EXISTING STREAMS AND ADJACENT AREAS. THE PROGRAM ALSO REQUIRES THE INSTALLATION OF TEMPORARY AND PERMANENT CONSERVATION PRACTICES IN ORDER TO PREVENT EROSION AND SEDIMENT POLLUTION. THE INTENT OF THIS PROGRAM SHOULD BE UNDERSTOOD AND IMPLEMENTED THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE PROGRAM IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND ORIENTED TO PREVENT UNWARRANTED DISTURBANCE OF PREPARED AND PROTECTED SURFACES.

SURFACE STABILIZATION CRITERIA: FOLLOWING SOIL STOCKPILES ARE SUBJECT TO EROSION AND SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. STOCKPILES SHALL BE STABILIZED IN ACCORDANCE WITH SPECIFICATIONS BELOW. CRUSHED STONE OR PAVERS SUBSTRATE IS CONSIDERED ADEQUATE PROTECTION. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE MULCHED AT A RATE OF 2-3 BALES/1000 SF OR 3 TONS/ACRE. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WILL NOT BE RESEEDING WITHIN 1 YEAR MUST BE SEEDING WITH A PERMANENT SEED MIXTURE AND MULCHED AT A RATE OF 2-3 BALES/1000 SF OR 3 TONS/ACRE DURING NON-GERMINATING PERIODS. MULCH SHALL BE APPLIED AT A RATE OF 2-3 BALES/1000 SF OR 3 TONS/ACRE AT THE BEGINNING OF THE NEXT GERMINATION PERIOD. MULCHED AREAS SHALL BE LIMED, FERTILIZED AND SEEDING WITH EITHER A TEMPORARY OR PERMANENT SEED MIXTURE, AND RE-MULCHED AT A RATE OF 2-3 BALES/1000 SF OR 3 TONS/ACRE. ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

- TEMPORARY COVER ON DISTURBED AREAS: DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RESEEDING WITHIN ONE YEAR MAY BE SEEDING AT A RATE OF 50 LBS/ACRE OR TO TWO TIMES THE SEEDING RATE OF THE PERMANENT SEEDING. EITHER ANNUAL OR WINTER RYE GRASS SHALL BE DONE IN COMPLIANCE WITH PENNSYLVANIA DEP AND THE COUNTY CONSERVATION DISTRICT (CCD) STANDARD FOR TEMPORARY COVER FOR CRITICAL AREAS. GROUND LIMESTONE SHALL BE APPLIED AT THE RATE OF 100 LBS/ACRE. FERTILIZER FOR TEMPORARY STABILIZATION SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE. MULCH SHALL BE APPLIED AT A RATE OF 1.5 BALES/1000 SF AND WATER IRE AT A RATE OF 3.5 LBS/1000 SF AND MULCHED WITH ANY OR STRAW AT A RATE OF 2-3 BALES/1000 SF OR 3 TONS/ACRE AND NON ASPHALTIC EMULSION, IN ACCORDANCE WITH THE CCD STANDARD FOR "MULCHING."
- PERMANENT COVER ON DISTURBED AREAS: ALL DISTURBED AREAS MUST BE SEEDING AND MULCHED WITH A PERMANENT COVER. AREAS SHOULD BE SEEDING WITH A PERMANENT SEED MIXTURE AS DEFINED ABOVE. GROUND LIMESTONE SHALL BE APPLIED AT THE RATE OF 100 LBS/ACRE OR TO TWO TIMES THE SEEDING RATE OF THE PERMANENT SEEDING. FERTILIZER 10-20-20 FOR PERMANENT STABILIZATION MINIMUM IS 500 LBS/ACRE FOR PENN STATE AGRONOMY GUIDE. PREPARATION OF THE SEEDING, FERTILIZATION AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CCD STANDARDS AND THE ADVICE OF THE PENNSYLVANIA STATE UNIVERSITY AGRICULTURAL EXTENSION SERVICE. SOIL TESTING AND SOIL ANALYSIS SHALL BE DONE TO DETERMINE SOIL PHOSPHORUS AND NITROGEN LEVELS. MULCH SHALL BE APPLIED AT A RATE OF 1.5 BALES/1000 SF AND WATER IRE AT A RATE OF 3.5 LBS/1000 SF AND MULCHED WITH ANY OR STRAW AT A RATE OF 2-3 BALES/1000 SF OR 3 TONS/ACRE AND NON ASPHALTIC EMULSION, IN ACCORDANCE WITH THE CCD STANDARD FOR "MULCHING."
- MAINTENANCE OF TEMPORARY SEDIMENTATION CONTROL STRUCTURES: MAINTENANCE OF ALL TEMPORARY SEDIMENTATION CONTROL STRUCTURES SHALL BE IN ACCORDANCE WITH THESE PLANS. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. ALL STRUCTURES SHALL BE MAINTAINED AND REPAIRED IMMEDIATELY UPON DETECTION OF DAMAGE. ALL MAINTENANCE WORK MUST BE PERFORMED IMMEDIATELY.

SEQUENCE OF CONSTRUCTION:

- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY OF THE FOLLOWING STAGES ARE INITIATED. CLEARING, GRUBBING, AND TOP-SOIL STRIPPING SHALL BE LIMITED TO ONLY THOSE AREAS DESCRIBED IN EACH STAGE.
- AT LEAST 3 DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PLACE A PA 1 CALL TO HAVE ALL UTILITIES MARKED OUT PRIOR TO CONSTRUCTION.
- AT THE END OF EACH WORK DAY, ALL DISTURBED AREAS MUST BE STABILIZED WITH SEEDING/MULCH AND EROSION CONTROL MULCH BLANKETS FOR SLOPES STEEPER THAN 3:1 V. HORIZONTAL. AREAS AT FINAL GRADE MUST BE INSPECTED AT THE END OF EACH WORK DAY THROUGHOUT CONSTRUCTION. ANY EROSION MUST BE CORRECTED IMMEDIATELY.
- INSTALL TEMPORARY SEDIMENT CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLAN VIEW AND AS NECESSARY FOR COMPLIANCE WITH CHAPTER 102.
- STAGE EARTHWORK ACTIVITY TO MINIMIZE EROSION. COMPLETE UPSTREAM CONSTRUCTION AND EXCAVATION WORK PRIOR TO DOWNSTREAM WORK.
- ALL WORK SHALL BE DONE DURING LOW FLOW CONDITIONS, AVOIDING PERIODS DURING OR IMMEDIATELY FOLLOWING HEAVY PRECIPITATION.
- EQUIPMENT WORK WILL BE DONE FROM THE STREAMBANK, WHERE POSSIBLE.
- INSTALL UPSTREAM LOG VANE.
- INSTALL MODIFIED MUDDISIL AND GRADE THE STREAMBANKS IN ACCORDANCE WITH THE PLANS, THEN INSTALL BANKFULL BENCH ALONG YARD AS SHOWN ON THE PLANS.
- INSTALL DOWNSTREAM LOG VANE.
- THE ONLY WORK TO TAKE PLACE IN THE WET CONDITION IS THE PLACEMENT OF THE STREAM STRUCTURES.
- SEED AND STABILIZE THE WORK AREA.

EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH CHAPTER 102 AND PADEP'S EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL (MOST RECENT VERSION).
- THESE PLANS REFLECT THE MINIMUM EAS REQUIREMENTS BASED ON THE PENNSYLVANIA DEP'S EAS REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL CONSERVATION DISTRICT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE EAS CONTROL MEASURES CONTAINED IN THIS PLAN AND ANY OTHER PROCEDURES THAT MAY BE NECESSARY FOR COMPLIANCE WITH THE PREVAILING REGULATIONS.
- GROUND DISTURBANCE ACTIVITIES SHALL BE MINIMIZED TO THE EXTENT PRACTICAL AND ALL AREAS SHALL BE STABILIZED PROMPTLY.
- ALL EAS MEASURES SHALL BE INSPECTED WEEKLY AT A MINIMUM, AND FOLLOWING ALL STORM EVENTS. DEFECTIVE, DAMAGED OR OTHERWISE INSUFFICIENT EAS MEASURES SHALL BE REPLACED OR REPAIRED. WEEKLY INSPECTION REPORTS SHALL BE KEPT ON SITE.
- ALL TEMPORARY AND PERMANENT SOIL STABILIZATION TO BE CONDUCTED IN ACCORDANCE WITH PA DEP AND THE COUNTY CONSERVATION DISTRICT (CCD) STANDARDS.
- TEMPORARY SEEDING OF ANY DISTURBED AREAS OR STOCKPILES (EXCEPT PROPERLY COVERED OR MANAGED STOCKPILES) SHALL BE CONDUCTED WITHIN 4 DAYS OF DISTURBANCE. TEMPORARY SEEDING TO CONSIST OF 40 LBS/AC ANNUAL RYEGRASS, 1 TON/AC LIME, 1000 LBS/AC 5-5-3 FERTILIZER AND 3 TONS/AC HAY OR STRAW MULCH.
- PERMANENT SEEDING SHALL BE CONDUCTED WITHIN 4 DAYS OF DISTURBANCE FOR THOSE AREAS AT FINAL GRADE.
- ALL AREAS TO BE INSPECTED AND MAINTAINED UNTIL STABILIZED. EAS CONTROL MEASURES TO BE REMOVED WHEN 70% UNIFORM VEGETATIVE COVERAGE IS ESTABLISHED.
- THIS EAS PLAN IS TO BE KEPT ON-SITE AT ALL TIMES, PER GOVERNING REGULATIONS.
- NO CHANGES TO THIS EAS CONTROL PLAN SHALL BE PERMITTED UNLESS AUTHORIZED AND APPROVED BY THE COUNTY CONSERVATION DISTRICT.

TEMPORARY MEASURES - COMPOST FILTER SOCK AND ROCK CONSTRUCTION ENTRANCE ARE NECESSARY AND SHALL BE INSTALLED ACCORDING TO THE EAS CONTROL MEASURES AND SHALL BE PROPERLY MAINTAINED DURING THE LIFE OF THE PROJECT.

PERMANENT MEASURES - ALL AREAS THAT ARE DISTURBED WITHIN THE LIMIT OF THE EAS CONTROL PLAN SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH THE EAS CONSTRUCTION DETAILS AND PERMANENT SEEDING SPECIFICATIONS.

PERMANENT SEED MIXTURE

ALL AREAS DISTURBED DURING CONSTRUCTION AND AT FINAL GRADE SHALL BE SEEDING WITHIN FOUR DAYS OF DISTURBANCE ACCORDING TO THE FOLLOWING SPECIFICATION AND RATE.

- ERMINK-104 OR APPROVED EQUIVALENT (1-800-875-3321)
 - 50% ANNUAL RYEGRASS (Lolium multiflorum)
 - 50% PERENNIAL RYEGRASS (Lolium perenne)
- AT A RATE OF 50 LBS / ACRE



BluAcres LLC
Wildlands and Wildlife Habitat
 12 BALDWIN ST., WOODBOURY, PA 17267
 717 849-4279 • info@bluacres.com

DATE	6/8/2023
PROJECT NO.	102000102
TWP.	WOODBOURY
COUNTY	BLAIR
PROJECT NAME	WOODBOURY TOWNSHIP CLOVER CREEK STREAM RESTORATION
PROJECT ADDRESS	BLAIR COUNTY, PENNSYLVANIA
DATE	6/8/2023
PROJECT NO.	102000102
TWP.	WOODBOURY
COUNTY	BLAIR
PROJECT NAME	WOODBOURY TOWNSHIP CLOVER CREEK RESTORATION-ENG
PROJECT ADDRESS	BLAIR COUNTY, PENNSYLVANIA
DATE	6/8/2023
PROJECT NO.	102000102
TWP.	WOODBOURY
COUNTY	BLAIR
PROJECT NAME	WOODBOURY TOWNSHIP CLOVER CREEK RESTORATION-ENG
PROJECT ADDRESS	BLAIR COUNTY, PENNSYLVANIA

Leamer Property
Design

(see separate link)

Description of Work for Streambank Stabilization for Seven Falls Angler's Club

The Blair County Conservation District (BCCD), requests full project bid from qualified contractors to construct streambank stabilization practices at the Seven Falls Angler Club's Property. BluAcres LLC completed a design included in this bid package. The Club has the appropriate permit for this work in the stream.

Project Location: Seven Falls Angler's Club
 1137 Biddle Road
 Williamsburg, PA
 Woodbury Township, Blair County
 Lat/Long 40.436418 -78.191582

- An Erosion and Sediment Pollution Control Plan is included in the design plan. The contractor shall be responsible for implementing the plan and maintaining the controls, including any additional measures which may be required to minimize sedimentation.
- The contractor shall be responsible for placing a PA One Call notification a minimum of three (3) business days, but not more than ten (10) business days prior to the start of excavation.
- This project is financially supported by The National Fish & Wildlife Foundation (a federal funded program). Therefore, the Contractor will be required to comply with the wage and labor requirements in accordance with the Davis-Bacon Act, and to pay minimum wages in accordance with the schedule of print wage rates established by the United States Department of Labor Wage determination (SAM.gov) is included in this package (Determination/Publication on May 3, 2024)
 - <https://sam.gov/content/home>
- Stream Bank Stabilization improvements will include:
 - Mudsill approximately 267 feet
 - One Log Vane – using 12-foot hemlock log.
 - 3 Random boulders
 - Four Rock Cross Vanes

Timeframe:

Work may begin on **July 8, 2024** upon execution of the agreement and when stream conditions are at Low Flow. The work at this site must be completed by **July 22, 2024**.

Site Showing:

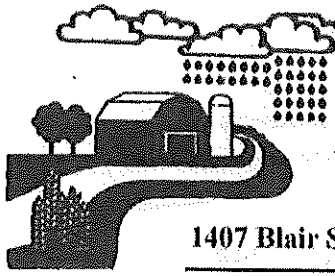
A **mandatory** site showing will be conducted on **May 21, 2024 at 10:00 AM** at 1137 Biddle Road Williamsburg, PA 16693

ATTACHMENT -2

Seven Fall Angler's Club Property
Clover Creek
Streambank Stabilization Project
Blair County, Pennsylvania

BID SCHEDULE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i># UNITS</i>	<i>EST. COST PER UNIT</i>	<i>TOTAL ESTIMATED COST</i>
1. Mobilization	Includes all necessary costs associated with mobilizing and demobilizing equipment to and from site.	LS	1		
2. Modified Mudsill	Includes all necessary costs associated with constructing the Mudsill.	LF	267		
3. Log Vane	Includes all labor and equipment necessary to construct the Log Vane structure as specified.	EA	1		
4. Random Boulders	Includes all labor and material costs.	EA	3		
5. Rock Cross Vanes	Includes all labor and material necessary to fill the slope protection as specified.	EA	4		
6. Erosion Control and Seeding	Includes all labor, material and equipment necessary to perform seeding of bank and all disturbed areas for the effective control of potential erosion.	AC	0.5		
7. Erosion Control	Includes labor, material and equipment to control erosion onsite as deemed necessary and as specified by the Erosion and Sedimentation Control Plan.	LS	1		
SUBTOTAL=					



BLAIR COUNTY CONSERVATION DISTRICT



www.blairconservationdistrict.org

1407 Blair Street • Hollidaysburg, PA 16648 • (814) 696-0877 Ext. 5 • Fax (814) 696-9981

January 17, 2024

Seven Falls Anglers Club
Attn: Noah Wheland
1137 Biddle Rd.
Williamsburg, PA 16693

RE: Erosion & Sedimentation Control Plan Approval
Seven Falls Anglers Club – Fish Habitat
Woodbury Township
Blair County, Pennsylvania

Dear Mr. Wheland:

The Blair County Conservation District has reviewed the above referenced project with regard to erosion and sediment pollution control measures. The plan, with final copies received January 17, 2024, was found adequate to control accelerated erosion caused during the construction of Seven Falls Anglers Club – Fish Habitat, if implemented as planned.

Tyne Blazier, Resource Conservation Technician, completed a technical review of this plan on January 17, 2024. **This approval is valid for two (2) years – a SINGLE 1 year extension may be granted provided that a written request for extension is received at the Conservation District Office 30 days prior to expiration, along with a \$50.00 administrative fee.** Any changes or modifications to the approved erosion and sediment control plan would require re-submittal of the plan.

The Blair Conservation District does not perform a technical review of the storm water management facilities, nor do we comment on the adequacy of the storm water management plan. The District will only perform a technical review of facilities needed to meet the requirements of Chapter 102, Erosion Control. This plan has not been reviewed for the adequacy of, nor does it give any approval or disapproval of: the storm water management controls, the sewage plan, wetland disturbance, or any other items not specified in Chapter 102, **Erosion Control**, of the Pennsylvania Clean Streams Law.

The Conservation District reviews this plan solely to determine whether it is adequate to satisfy the requirements of 25 PA CODE 102.1 et.seq., the erosion control regulations for the Department of



- Resource Conservation Since 1966 -



Environmental Protection. By a determination that the plan is adequate to meet these requirements, neither the Conservation District nor the County assumes any responsibility for the implementation of the plan, or the proper construction and operation of the facilities contained in the plan.

Please be advised that a copy of the approved erosion and sediment control plan should be available on-site throughout the duration of the project. Inspectors from the Blair County Conservation District and/or PA Department of Environmental Protection may conduct periodic inspections of the earth disturbance site.

Sincerely,



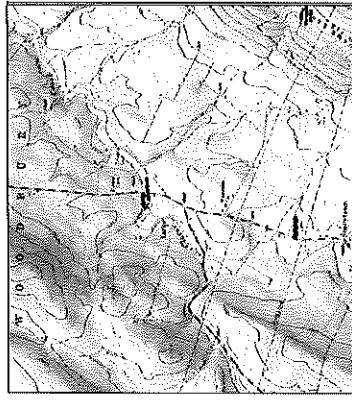
Tyne Blazier
Resource Conservation Technician

Copy sent to:

BCCD File
Woodbury Township

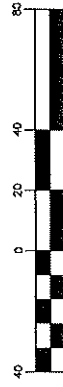
LEGEND

- EXISTING CONTOUR
- LIMIT OF CONSTRUCTION
- SOIL TYPE
- EXISTING THALWEG
- EXISTING STREAMBANK
- PROPOSED STREAMBANK
- FILL AREA
- STAGING AREA
- EXISTING WETLANDS

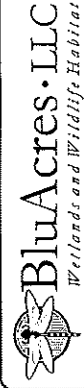


USDA SOILS
 Ho - Kelly
 Hc2 - Holsenburg cherty clay loam (8-15%)
 Lr - Leebell silt loam

GRAPHIC SCALE



(IN FEET)
 1 inch = 40 ft.



EROSION AND SEDIMENT CONTROL PLAN
 CLOVER CREEK STREAM RESTORATION
 WOODBURY TOWNSHIP
 BLAIR COUNTY, PENNSYLVANIA

DATE: 6/6/2023
 DRAWN BY: JML/JCW
 CHECKED BY: JML/JCW
 PROJECT NO: 23-001
 SHEET NO: 1 of 4



PROPOSED LINE MATCHES HISTORIC STREAMBANK EDGE AND TIES INTO EXISTING PORTIONS OF BANK THAT WERE NOT ERODED AS SURVIVED IN FIELD

ZONE AE FLOODWAY ELEVATION PER FEMA MAP #42013C02B70 - EFF. (3/2/2012) ELEV. = 1001'

ROCK CONSTRUCTION ENTRANCE

TWO-PLY SYSTEMS

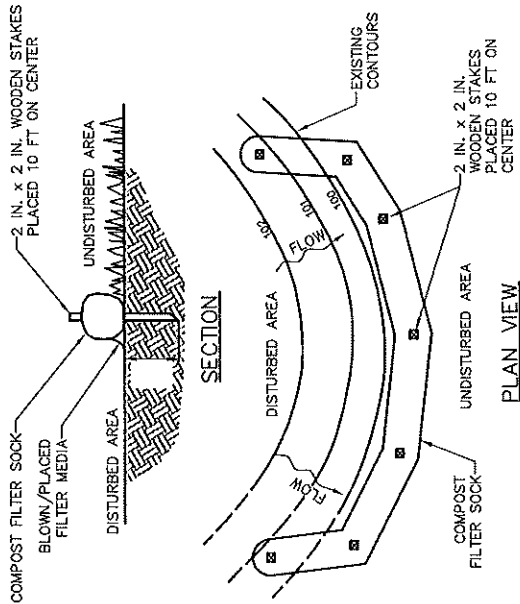
INNER CONTAINMENT NETTING	HOPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELDED JUNCTURES 3/4" X 3/4" MAX APERTURE SIZE
INNER CONTAINMENT NETTING	COMPOSITE POLYPROPYLENE FABRIC COMBINATION OF NON-WOVEN FIBRE MECHANICALLY FUSED VIA NEEDLE PUNCH 3/16" MAX. APERTURE SIZE
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS.	

FILTREXX & JMD

**TABLE 4.2
COMPOST STANDARDS**

ORGANIC CONTENT MATTER	25% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
PH	5.5 - 8.5
MOISTURE CONTENT	50% - 80%
PARTICLE SIZE	30% - 50% PASS THROUGH 3/8" SIEVE
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) Maximum

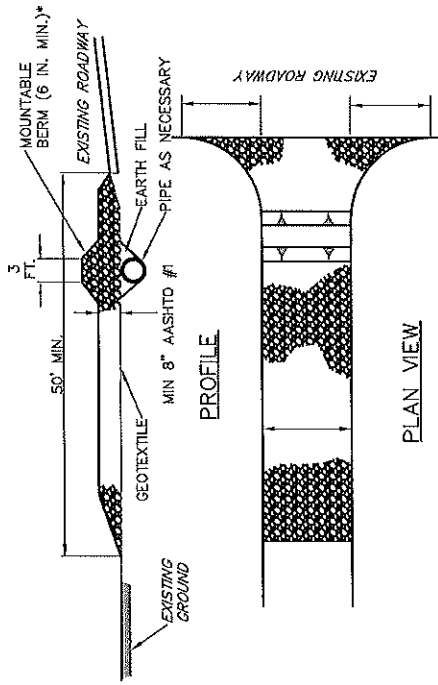
FILTREXX



NOTES:
 SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
 COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
 TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
 ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
 COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
 BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS. PHOTODEGRADABLE SOCKS AFTER 1 YEAR.
 POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 UPON STABILIZATION OF THE AREA, TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

**STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK**

NOT TO SCALE



* MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE

NOTES:

REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
 RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.

MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED

MAINTENANCE: ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

**STANDARD CONSTRUCTION DETAIL #3-1
ROCK CONSTRUCTION ENTRANCE**

NOT TO SCALE

BluAcres LLC
Wetlands and Wildlife Habitat
72 ROCK CREEK, WOODSBURY, PA 17257
(717) 437-7267 • www.bluacres.com

DATE:	6/6/2023
DRAWN BY:	NJL/JZW
CHECKED BY:	WJL/ML
DATE:	6/6/23

EROSION AND SEDIMENT CONTROL DETAILS

CLOVER CREEK STREAM RESTORATION
WOODBURY TOWNSHIP
BLAIR COUNTY, PENNSYLVANIA

PROJECT:	CLOVER CREEK Restoration.dwg
SCALE:	AS SHOWN
SHEET:	2 of 4

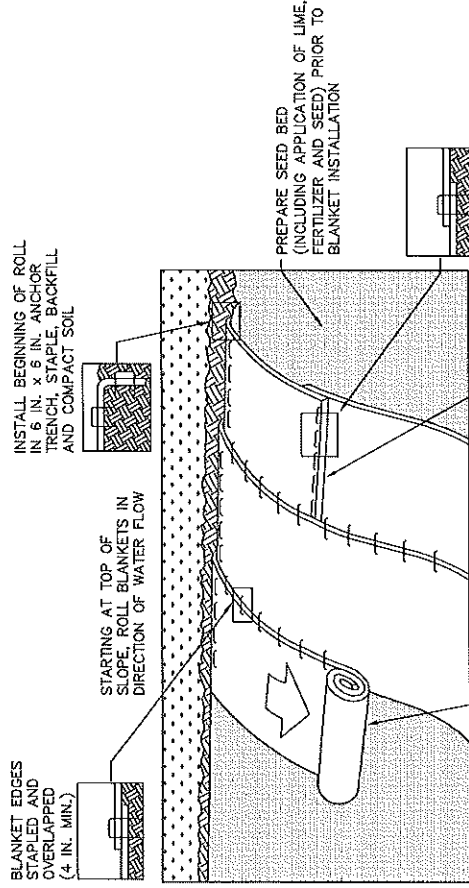
DESCRIPTION:
 THE BioD-MAT 70 BLANKET IS WOVEN FROM MACHINE TWISTED BRISTLE COIR TWINES. THE BEST QUALITY COIR FIBER, THIS 100% BIODEGRADABLE, STRONG AND DURABLE BLANKET PROVIDE HIGHER EROSION RESISTANCE WHILE SUPPORTING GROWTH AND DEVELOPMENT OF VEGETATION. THESE SEMI-PERMANENT MATS HAVE FUNCTIONAL FIELD LONGEVITY OF 4-6 YEARS. IF THE VEGETATION FAILS TO ESTABLISH, THE OPEN WEAVE IN THE MAT ALLOWS SEEDING OVER THE MAT. BioD-MAT 70 BLANKETS ARE MANUFACTURED TO CONFORM TO THE FOLLOWING PHYSICAL PROPERTIES.

SPECIFICATIONS

PROPERTY	TEST METHOD	BioD-MAT 70
WEIGHT	ASTM D 3776	23 oz/SY (780 g/m ²)
WIDE WIDTH TENSILE STRENGTH WET MACHINE DIRECTION CROSS DIRECTION	ASTM D 4595	1488 lbs/ft (21.7 kN/m) 1032 lbs/ft (15.1 kN/m)
WIDE WIDTH TENSILE STRENGTH DRY MACHINE DIRECTION CROSS DIRECTION	ASTM D 4595	1740 lbs/ft (25.4 kN/m) 1176 lbs/ft (17.2 kN/m)
ELONGATION AT FAILURE WET MACHINE DIRECTION CROSS DIRECTION	ASTM D 4595	36% 25%
OPEN AREA	CALCULATED	48%
THICKNESS	ASTM D 1777	0.35 inch (9 mm)
RECOMMENDED SHEAR STRESS		4.54 lbs./sq.ft. (215N/sq.m.)
RECOMMENDED FLOW		12 fps (3.7m/s)
RECOMMEND SLOPE		1:1
MINIMUM TWINE COUNT PER FOOT MD x CD		27 x 18

BioD-MAT 70 IS AVAILABLE IN THE FOLLOWING ROLL SIZES:

- 3.28ft x 83ft (30SY) = 1m x 25m (25sq. m)
- 6.5ft x 166ft (120SY) = 2m x 50m (100sq. m)
- 9.8ft x 166ft (180SY) = 3m x 50m (150sq. m)
- 13.1ft x 83ft (120SY) = 4m x 25m (100sq. m)

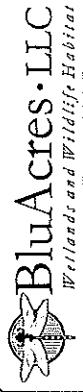


THE BLANKET SHOULD NOT BE STRETCHED; IT MUST MAINTAIN GOOD SOIL CONTACT

NOTES:
 SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
 PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
 SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
 BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
 THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 MAINTENANCE:
 BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 70% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 4 CALENDAR DAYS.

**STANDARD CONSTRUCTION DETAIL #11-1
 EROSION CONTROL BLANKET INSTALLATION**

NOT TO SCALE



10845 STADT, WILKESBORO, PA 18253
 (610) 407-0247 • www.bluacres.com

EROSION AND SEDIMENT CONTROL DETAILS	DATE: 8/9/2023
WOODBURY TOWNSHIP RESTORATION	SCALE: 1" = 20'
BLAIR COUNTY, PENNSYLVANIA	DATE: 8/9/2023
PROJECT: Clover Creek Restoration.dwg	SHEET: 3 of 4

STANDARD EROSION AND SEDIMENTATION CONTROL NOTES:

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED EAS PLAN. A COPY OF THE APPROVED DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
2. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OWNER AND/OR OPERATOR SHALL WRITE ALL CONTRACTORS, THE LANDOWNER, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1179 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS.
5. AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBSTRUCTIONABLE MATERIAL.
6. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE EAS PLAN. CLEARING AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE EAS PLAN. CLEARING AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE EAS PLAN. CLEARING AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE EAS PLAN.
7. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS.
8. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. STOCKPILES SHALL NOT EXCEED 45 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
9. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT.
10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS.
11. ALL OFF-SITE WASTE AND BORROW MATERIAL MUST HAVE AN EAS PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL.
13. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN, OVER UNDISTURBED VEGETATED AREAS.
14. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMP'S, AFTER EACH RAINFALL EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RETENING MUST BE PERFORMED IMMEDIATELY.
15. LOG SKIDDING PATHS THAT EAS BMP'S WERE INSPECTED AS WELL AS ANY OBSTRUCTIONS FOUND AND THE AGENCY OFFICIALS AT THE SAME TIME OF INSPECTION.
16. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE. THE SEDIMENT SHALL BE WASHED, SHOVELLED, OR SWEEPED INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
17. ALL SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
18. AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
19. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
20. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
21. FILL MATERIAL FOR DRAINAGE CHANNELS SHALL BE FREE OF ROOTS, OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBSTRUCTIONABLE MATERIALS.
22. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROCKS, SOIL, OR OTHER FOREIGN OR OBSTRUCTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS INTO FILLS.
23. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
24. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
25. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE.
26. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS DURING NON-GERMINATING MONTHS. MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
27. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION.
28. EAS BMP'S SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS THAT TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.

GENERAL CONSERVATION NOTES AND SPECIFICATIONS

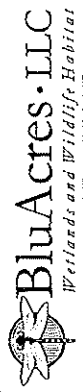
- THE MEAN OF THIS PROGRAM IS TO PREVENT ACCELERATED EROSION OF THE EXPOSED SITE SOILS DURING THE CONSTRUCTION AND PERMANENT LIFE OF THE PROJECT. THE PROGRAM REQUIRES RETENTION OF SEDIMENTS ON THE CONSTRUCTION SITE TO MINIMIZE THE IMPACT OF EARTH DISTURBANCE ACTIVITIES ON THE ADJACENT EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEAN OF THIS PROGRAM IS TO PREVENT ACCELERATED EROSION OF THE EXPOSED SITE SOILS DURING THE CONSTRUCTION AND PERMANENT LIFE OF THE PROJECT. THE PROGRAM REQUIRES RETENTION OF SEDIMENTS ON THE CONSTRUCTION SITE TO MINIMIZE THE IMPACT OF EARTH DISTURBANCE ACTIVITIES ON THE ADJACENT EROSION AND SEDIMENTATION CONTROL MEASURES. THE MEAN OF THIS PROGRAM IS TO PREVENT ACCELERATED EROSION OF THE EXPOSED SITE SOILS DURING THE CONSTRUCTION AND PERMANENT LIFE OF THE PROJECT. THE PROGRAM REQUIRES RETENTION OF SEDIMENTS ON THE CONSTRUCTION SITE TO MINIMIZE THE IMPACT OF EARTH DISTURBANCE ACTIVITIES ON THE ADJACENT EROSION AND SEDIMENTATION CONTROL MEASURES.
1. TEMPORARY COVER ON DISTURBED AREAS WHICH WILL BE RESEEDED WITHIN ONE YEAR MAY BE A PERMANENT SEED MIXTURE AS DESCRIBED ABOVE. GROUND LIMESTONE SHALL BE APPLIED AT THE RATE OF 100 LBS/1000 SF OR 2 TONS/ACRE. FERTILIZER 10-20-20 FOR PERMANENT STABILIZATION. PREPARATION OF THE SEEDBED, FERTILIZATION AND MAINTENANCE SHALL BE DONE IN ACCORDANCE WITH APPLICABLE MCD STANDARDS, AND THE ADVICE OF THE PENNSYLVANIA STATE UNIVERSITY AGRICULTURAL EXTENSION SERVICE. FERTILIZER SHALL BE APPLIED AT A RATE OF 1.5 LBS/1000 SF OR 3 TONS/ACRE. MULCHING SHALL BE DONE WITHIN 14 DAYS OF THE END OF CONSTRUCTION. MULCHING SHALL BE DONE WITHIN 14 DAYS OF THE END OF CONSTRUCTION. MULCHING SHALL BE DONE WITHIN 14 DAYS OF THE END OF CONSTRUCTION.
 2. MAINTENANCE OF ALL TEMPORARY SEDIMENTATION CONTROL STRUCTURES SHALL BE IN ACCORDANCE WITH THESE PLANS. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY.
 3. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE SHOWN ON THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY OF THE FOLLOWING STAGES ARE INITIATED. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO ONLY THOSE AREAS DESCRIBED IN EACH STAGE.
 4. AT LEAST 3 DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PLACE A CALL TO HAVE ALL UTILITIES MARKED OUT PRIOR TO CONSTRUCTION.
 5. AT THE END OF EACH WORK DAY, ALL DISTURBED AREAS MUST BE STABILIZED WITH SEEDING/MULCH AND EROSION CONTROL MULCH BLANKETS FOR SLOPES STEEPER THAN 3H:1V. AREAS AT FINAL GRADE MUST BE INSPECTED AT THE END OF EACH WORK DAY THROUGHOUT CONSTRUCTION. ANY EROSION MUST BE CORRECTED IMMEDIATELY.
 6. INSTALL TEMPORARY SEDIMENT CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLAN VIEW, AND AS NECESSARY FOR COMPLIANCE WITH CHAPTER 102.
 7. STAGE EARTHWORK ACTIVITY TO MINIMIZE EROSION. COMPLETE UPSTREAM CONSTRUCTION AND EXCAVATION WORK PRIOR TO DOWNSTREAM WORK.
 8. ALL WORK SHALL BE DONE DURING LOW FLOW CONDITIONS, AVOIDING PERIODS DURING OR IMMEDIATELY FOLLOWING HEAVY PRECIPITATION.
 9. EQUIPMENT WORK WILL BE DONE FROM THE STREAMBANK, WHERE POSSIBLE.
 10. INSTALL UPSTREAM LOG VANE.
 11. INSTALL MODIFIED MUDDSLIP AND GRADE THE STREAMBANKS IN ACCORDANCE WITH THE PLANS, THEN INSTALL BANKFULL BENCH ALONG YARD AS SHOWN ON THE PLANS.
 12. INSTALL DOWNSTREAM LOG VANE.
 13. THE ONLY WORK TO TAKE PLACE IN THE WET CONDITION IS THE PLACEMENT OF THE STREAM STRUCTURES.
 14. SEED AND STABILIZE THE WORK AREA.

- EROSION AND SEDIMENT CONTROL NOTES**
- 1) ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSISTENT WITH CHAPTER 102 AND PADEP'S EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL (MUST RECENT VERSION).
 - 2) THESE PLANS REFLECT THE MINIMUM EAS REQUIREMENTS BASED ON UNDISTURBED AND PROPOSED ACTIVITIES. WATER/APPLICATOR OR RES/SEEDER DULY-AUTHORIZED REPRESENTATIVE IS RESPONSIBLE FOR IMPLEMENTATION OF THE EAS CONTROL MEASURES CONTAINED IN THIS PLAN AND ANY OTHER PROCEDURES THAT MAY BE NECESSARY FOR COMPLIANCE WITH THE PREVALENT REGULATIONS.
 - 3) GROUND DISTURBANCE ACTIVITIES SHALL BE MINIMIZED TO THE EXTENT PRACTICAL, AND ALL AREAS SHALL BE STABILIZED PROMPTLY.
 - 4) ALL EAS MEASURES SHALL BE INSPECTED WEEKLY AT A MINIMUM, AND FOLLOWING ALL STORM EVENTS. DEFECTIVE, DAMAGED OR OTHERWISE INSUFFICIENT EAS MEASURES SHALL BE REPLACED WITHOUT DELAY. WEEKLY INSPECTION REPORTS SHALL BE KEPT ON SITE.
 - 5) ALL TEMPORARY AND PERMANENT SOIL STABILIZATION TO BE CONDUCTED IN ACCORDANCE WITH PA DEP AND THE COUNTY CONSERVATION DISTRICT (CCD) STANDARDS.
 - 6) TEMPORARY SEEDING OF ANY DISTURBED AREAS OR STOCKPILES (EXCEPT PROPERLY COVERED OR MANAGED STOCKPILES) SHALL BE CONDUCTED WITHIN 4 DAYS OF DISTURBANCE. TEMPORARY SEEDING TO CONSIST OF 40 LBS/AC ANNUAL RYEGRASS, 1 TON/VAC LIME, 1000 LBS/AC 5-9-5 FERTILIZER AND 3 TONS/AC HAY OR STRAW MULCH.
 - 7) PERMANENT SEEDING SHALL BE CONDUCTED WITHIN 4 DAYS OF DISTURBANCE FOR THOSE AREAS AT FINAL GRADE.
 - 8) ALL AREAS TO BE INSPECTED AND MAINTAINED UNTIL STABILIZED. EAS CONTROL MEASURES TO BE REMOVED WHEN 70 % UNIFORM VEGETATIVE COVERAGE IS ESTABLISHED.
 - 9) THIS EAS PLAN IS TO BE KEPT ON-SITE AT ALL TIMES, PER GOVERNING REGULATIONS.
 - 10) NO CHANGES TO THIS EAS CONTROL PLAN SHALL BE PERMITTED UNLESS AUTHORIZED AND APPROVED BY THE COUNTY CONSERVATION DISTRICT.

- TEMPORARY MEASURES - COMPOST FILTER SOCK AND ROCK CONSTRUCTION ENTRANCE ARE NECESSARY AND SHALL BE INSTALLED ACCORDING TO THE PLAN. THE SOCKS AND SHALL BE PROPERLY MAINTAINED DURING THE LIFE OF THE PROJECT.
- PERMANENT MEASURES - ALL AREAS THAT ARE DISTURBED WITHIN THE LIMIT OF THE EAS CONTROL PLAN SHALL BE PERMANENTLY STABILIZED ACCORDING TO THE EAS CONTROL DETAILS AND PERMANENT SEEDING SPECIFICATIONS.
- PERMANENT SEED MIXTURE**
- ALL AREAS DISTURBED DURING CONSTRUCTION AND AT FINAL GRADE SHALL BE SEEDING WITHIN FOUR DAYS OF DISTURBANCE ACCORDING TO THE FOLLOWING SPECIFICATION AND RATE:
- ERNMK-104 OR APPROVED EQUIVALENT (1-800-873-3321)
- 50% ANNUAL RYEGRASS (Lolium multiflorum)
- 50% PERENNIAL RYEGRASS (Lolium perenne)
- AT A RATE OF 50 LBS / ACRE.

SEQUENCE OF CONSTRUCTION:

- 1) ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY OF THE FOLLOWING STAGES ARE INITIATED. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO ONLY THOSE AREAS DESCRIBED IN EACH STAGE.
- 2) AT LEAST 3 DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PLACE A CALL TO HAVE ALL UTILITIES MARKED OUT PRIOR TO CONSTRUCTION.
- 3) AT THE END OF EACH WORK DAY, ALL DISTURBED AREAS MUST BE STABILIZED WITH SEEDING/MULCH AND EROSION CONTROL MULCH BLANKETS FOR SLOPES STEEPER THAN 3H:1V. AREAS AT FINAL GRADE MUST BE INSPECTED AT THE END OF EACH WORK DAY THROUGHOUT CONSTRUCTION. ANY EROSION MUST BE CORRECTED IMMEDIATELY.
- 4) INSTALL TEMPORARY SEDIMENT CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLAN VIEW, AND AS NECESSARY FOR COMPLIANCE WITH CHAPTER 102.
- 5) STAGE EARTHWORK ACTIVITY TO MINIMIZE EROSION. COMPLETE UPSTREAM CONSTRUCTION AND EXCAVATION WORK PRIOR TO DOWNSTREAM WORK.
- 6) ALL WORK SHALL BE DONE DURING LOW FLOW CONDITIONS, AVOIDING PERIODS DURING OR IMMEDIATELY FOLLOWING HEAVY PRECIPITATION.
- 7) EQUIPMENT WORK WILL BE DONE FROM THE STREAMBANK, WHERE POSSIBLE.
- 8) INSTALL UPSTREAM LOG VANE.
- 9) INSTALL MODIFIED MUDDSLIP AND GRADE THE STREAMBANKS IN ACCORDANCE WITH THE PLANS, THEN INSTALL BANKFULL BENCH ALONG YARD AS SHOWN ON THE PLANS.
- 10) INSTALL DOWNSTREAM LOG VANE.
- 11) THE ONLY WORK TO TAKE PLACE IN THE WET CONDITION IS THE PLACEMENT OF THE STREAM STRUCTURES.
- 12) SEED AND STABILIZE THE WORK AREA.



BluAcres LLC
Wetlands and Wildlife Habitat
1700 1st Street, West Chester, PA 19380
(610) 402-1211 • www.bluacres.com

DATE: 9/9/2023

PROJECT: 100/20/20

SCALE: 1" = 40'

PROJECT NO: 100/20/20

PROJECT NAME: CLOVER CREEK RESTORATION

PROJECT LOCATION: WOODBURY TOWNSHIP, BLAIR COUNTY, PENNSYLVANIA

DATE: 9/9/2023

PROJECT: 100/20/20

SCALE: 1" = 40'

PROJECT NO: 100/20/20

PROJECT NAME: CLOVER CREEK RESTORATION

PROJECT LOCATION: WOODBURY TOWNSHIP, BLAIR COUNTY, PENNSYLVANIA

DATE: 9/9/2023

PROJECT: 100/20/20

SCALE: 1" = 40'

PROJECT NO: 100/20/20

PROJECT NAME: CLOVER CREEK RESTORATION

PROJECT LOCATION: WOODBURY TOWNSHIP, BLAIR COUNTY, PENNSYLVANIA

Seven Falls Angler's Club Property
Design

(see separate link)

**Additional Forms Required
from
Awarded Contractor**

EXHIBIT A:

NONDISCRIMINATION/SEXUAL HARASSMENT CLAUSE

During the term of the Contract, the Grantee (known herein as "Grantee") agrees as follows:

1. In the hiring of any employee(s) for the manufacture of supplies, performance of work, or any other activity required under the grant agreement or any subgrant agreement, contract, or subcontract, the Grantee, a subgrantee, a contractor, a subcontractor, or any person acting on behalf of the Grantee shall not discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the *Pennsylvania Human Relations Act* (PHRA) and applicable federal laws, against any citizen of this Commonwealth who is qualified and available to perform the work to which the employment relates.
2. The Grantee, any subgrantee, contractor or any subcontractor or any person on their behalf shall not in any manner discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the PHRA and applicable federal laws, against or intimidate any of its employees.
3. Neither the Grantee nor any subgrantee nor any contractor nor any subcontractor nor any person on their behalf shall in any manner discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the PHRA and applicable federal laws, in the provision of services under the grant agreement, subgrant agreement, contract or subcontract.
4. Neither the Grantee nor any subgrantee nor any contractor nor any subcontractor nor any person on their behalf shall in any manner discriminate against employees by reason of participation in or decision to refrain from participating in labor activities protected under the *Public Employee Relations Act*, *Pennsylvania Labor Relations Act* or *National Labor Relations Act*, as applicable and to the extent determined by entities charged with such Acts' enforcement, and shall comply with any provision of law establishing organizations as employees' exclusive representatives.
5. The Grantee, any subgrantee, contractor or any subcontractor shall establish and maintain a written nondiscrimination and sexual harassment policy and shall inform their employees in writing of the policy. The policy must contain a provision that sexual harassment will not be tolerated and employees who practice it will be disciplined. Posting this Nondiscrimination/Sexual Harassment Clause conspicuously in easily-accessible and well-lit places customarily frequented by employees and at or near where the grant services are performed shall satisfy this requirement for employees with an established work site.
6. The Grantee, any subgrantee, contractor or any subcontractor shall not discriminate by reason of race, gender, creed, color, sexual orientation, gender identity or expression, or in violation of the PHRA and

ARTICLE 6 - BONDS AND INSURANCE

6.01 Performance, Payment, and Other Bonds

- A. Contractor shall furnish a performance bond and a payment bond, each in an amount at least equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 15.08, whichever is later; except as provided otherwise by Laws or Regulations, the Supplementary Conditions, or other specific provisions of the Contract. Contractor shall also furnish such other bonds as are required by the Supplementary Conditions or other specific provisions of the Contract.
- B. All bonds shall be in the form prescribed by the Contract except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (as amended and supplemented) by the Principal Management Service, Surety Bond Branch, U.S. Department of the Treasury. A bond signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority shall show that it is effective on the date the agent or attorney-in-fact signed the accompanying bond.
- C. Contractor shall obtain the required bonds from surety companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds in the required amounts.
- D. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in any state or jurisdiction where any part of the Project is located, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the bond and surety requirements above.
- E. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.
- F. Upon request, Owner shall provide a copy of the payment bond to any Subcontractor, Supplier, or other person or entity claiming to have furnished labor or materials used in the performance of the Work.

6.02 Insurance—General Provisions

- A. Owner and Contractor shall obtain and maintain insurance as required in this Article and in the Supplementary Conditions.
- B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the Supplementary Conditions, all companies that provide insurance policies required under this Contract shall have an A.M. Best rating of A-VII or better.
- C. Contractor shall deliver to Owner, with copies to each named insured and additional insured (as identified in this Article, in the Supplementary Conditions, or elsewhere in the Contract), certificates of insurance establishing that Contractor has obtained and is maintaining the policies, coverages, and endorsements required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies and endorsements, and documentation of applicable self-insured retentions and deductibles. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.
- D. Owner shall deliver to Contractor, with copies to each named insured and additional insured (as identified in this Article, the Supplementary Conditions, or elsewhere in the Contract), certificates of insurance establishing that Owner has obtained and is maintaining the policies, coverages, and endorsements required of Owner by the Contract (if any). Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not

7. allow for partial occupation or use of the Work by Owner, such that those portions of the Work that are not yet occupied or used by Owner shall remain covered by the builder's risk insurance;
 8. allow for the waiver of the insurer's subrogation rights, as set forth below;
 9. provide primary coverage for all losses and damages caused by the perils or causes of loss covered;
 10. not include a co-insurance clause;
 11. include an exception for ensuing losses from physical damage or loss with respect to any defective workmanship, design, or materials exclusions;
 12. include performance/hot testing and start-ups;
 13. be maintained in effect, subject to the provisions herein regarding Substantial Completion and partial occupancy or use of the Work by Owner, until the Work is complete.
- B. *Notice of Cancellation or Change:* All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with this Paragraph 6.05 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to the Owner.
- C. *Deductibles:* The purchaser of any required builder's risk or property insurance shall pay for costs not covered because of the application of a policy deductible.
- D. *Partial Occupancy or Use by Owner:* If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 15.04, then Owner (directly, if it is the purchaser of the builder's risk policy, or through Contractor) will provide notice of such occupancy or use to the builder's risk insurer. The builder's risk insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy; rather, those portions of the Work that are occupied or used by Owner may come off the builder's risk policy, while those portions of the Work not yet occupied or used by Owner shall remain covered by the builder's risk insurance.
- E. *Additional Insurance:* If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.05, it may do so at Contractor's expense.
- F. *Insurance of Other Property:* If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, such as tools, construction equipment, or other personal property owned by Contractor, a Subcontractor, or an employee of Contractor or a Subcontractor, then the entity or individual owning such property item will be responsible for deciding whether to insure it, and if so in what amount.

6.06 **Waiver of Rights**

- A. All policies purchased in accordance with Paragraph 6.05, expressly including the builder's risk policy, shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any insureds thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Engineer, its consultants, all Subcontractors, all individuals or entities identified in the Supplementary Conditions as insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.
- B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for:

to the Additional Insured's insurance coverage". The insurance company will be required to give at least 30-day notice of cancellation.

C. Property Insurance

1. Property insurance not less than the full insurable value of the work (Contract price) in accordance with Article 6 of the General Conditions will be provided by contractor naming Owner and Engineer as additional insurers, and shall include builders risk and/or installation floater.
 - a. Builders Risk required for any building or structure.
 - b. Installation Floater required for any underground work or setting of equipment within a building or structure, i.e. generator, pumps, etc.
2. Such insurance will be in the form of completed value and shall not exceed a \$5,000 deductible amount.

D. Correction Period

Should the contractor be required to correct any defective work (in accordance with the contract documents) during the correction period, he shall be required to provide to owner a certificate of insurance (with coverages listed above) or extend existing policy for length of correction period before proceeding with correcting the defective work.

SECTION 00620

PAYMENT BOND

CONTRACTOR (name and address):

SURETY (name and address of principal place of business):

OWNER (name and address):

CONSTRUCTION CONTRACT

Effective Date of the Agreement:

Amount:

Description (name and location):

BOND

Bond Number:

Date (not earlier than the Effective Date of the Agreement of the Construction Contract):

Amount:

Modifications to this Bond Form: None See Paragraph 18

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

SURETY

Contractor's Name and Corporate Seal (seal)

Surety's Name and Corporate Seal (seal)

By: Signature

By: Signature (attach power of attorney)

Print Name

Print Name

Title

Title

Attest: Signature

Attest: Signature

Title

Title

Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

11. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.
12. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Paragraph 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.
13. Notice and Claims to the Surety, the Owner, or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.
14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.
15. Upon requests by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

16. Definitions

16.1 Claim: A written statement by the Claimant including at a minimum:

1. The name of the Claimant;
2. The name of the Person for whom the labor was done, or materials or equipment furnished;
3. A copy of the agreement or purchase order pursuant to which labor, materials, or equipment was furnished for use in the performance of the Construction Contract;
4. A brief description of the labor, materials, or equipment furnished;
5. The date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
6. The total amount earned by the Claimant for labor, materials, or equipment furnished as of the date of the Claim;
7. The total amount of previous payments received by the Claimant; and
8. The total amount due and unpaid to the Claimant for labor, materials, or equipment furnished as of the date of the Claim.

16.2 Claimant: An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials, or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms of "labor, materials, or equipment" that part of the water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.

16.3 Construction Contract: The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

16.4 Owner Default: Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

16.5 Contract Documents: All the documents that comprise the agreement between the Owner and Contractor.

END OF SECTION

SECTION 00610

PERFORMANCE BOND

CONTRACTOR (name and address):

SURETY (name and address of principal place of business):

OWNER (name and address):

CONSTRUCTION CONTRACT

Effective Date of the Agreement:

Amount:

Description (name and location):

BOND

Bond Number:

Date (not earlier than the Effective Date of the Agreement of the Construction Contract):

Amount:

Modifications to this Bond Form; None See Paragraph 16

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

SURETY

Contractor's Name and Corporate Seal (seal)

Surety's Name and Corporate Seal (seal)

By: Signature

By: Signature (attach power of attorney)

Print Name

Print Name

Title

Title

Attest: Signature

Attest: Signature

Title

Title

Notes: (1) Provide supplemental execution by any additional parties, such as joint venturers. (2) Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

9. The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced

or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors, and assigns.

10. The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders, and other obligations.

11. The Parties irrevocably agree that jurisdiction and venue with respect to any action arising from this Performance Bond shall be solely in the Court of Common Pleas of Blair County, Pennsylvania, and each party waives all objections to personal jurisdiction and venue. **THE PARTIES EXPRESSLY WAIVE THEIR RIGHTS TO A TRIAL BY JURY, AND AGREE AND CONSENT TO A TRIAL BY COURT.** The parties agree that the provisions of this Bond shall be interpreted in accordance with the laws of the Commonwealth of Pennsylvania without regard to its choice of law provisions.

12. Owner shall also be entitled to judgment in the amount of its reasonable attorney's fees and court costs in the event legal action is necessary to enforce payment under this Performance Bond.

13. Notice to the Surety, the Owner, or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears;

14. When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

15. Definitions

15.1 **Balance of the Contract Price:** The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made including allowances for the Contractor for any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

15.2 **Construction Contract:** The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

15.3 **Contractor Default:** Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

15.4 **Owner Default:** Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

15.5 **Contract Documents:** All the documents that comprise the agreement between the Owner and Contractor.

END OF SECTION

SECTION 00575

CERTIFICATE OF SUBSTANTIAL COMPLETION

Owner:
Contractor:
Engineer:
Project:

Owner's Contract No.:
Contractor's Project No.:
Engineer's Project No.:
Contract Name:

This final Certificate of Substantial Completion applies to:

- All Work The following specified portions of the Work:

Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Owner, Contractor, and Engineer, and found to be substantially complete. The Date of Substantial Completion of the Work or portion thereof designated above is hereby established, subject to the provisions of the Contract pertaining to Substantial Completion. The date of Substantial Completion in the final Certificate of Substantial Completion marks the commencement of the contractual correction period and applicable warranties required by the Contract. A punch list of items to be completed or corrected is attached to this Certificate. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract. The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance, and warranties upon Owner's use or occupancy of the Work shall be as provided in the Contract, except as amended as follows:

Amendments to Owner's responsibilities:

- None As follows

Amendments to Contractor's responsibilities:

- None As follows:

The following documents are attached to and made a part of this Certificate: [punch list; others]

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents, nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract.

Table with 3 columns: EXECUTED BY ENGINEER, RECEIVED (Owner), RECEIVED (Contractor). Rows for By, Title, and Date.

END OF SECTION

SECTION 00545

CHANGE ORDER

Change Order No. _____

Date of Issuance:	Effective Date:
Owner:	Owner's Contract No.:
Contractor:	Contractor's Project No.:
Engineer:	Engineer's Project No.:
Project:	Contract Name:

The Contract is modified as follows upon execution of this Change Order:

Description:
Attachments: *[List documents supporting change]*

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: \$ _____	Original Contract Times: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
[Increase] [Decrease] from previously approved Change Orders No. ___ to No. ___; \$ _____	[Increase] [Decrease] from previously approved Change Orders No. ___ to No. ___; Substantial Completion: _____ Ready for Final Payment: _____ days
Contract Price prior to this Change Order: \$ _____	Contract Times prior to this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
[Increase] [Decrease] of this Change Order: \$ _____	[Increase] [Decrease] of this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price incorporating this Change Order: \$ _____	Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for Final Payment: _____ days or dates

RECOMMENDED:		ACCEPTED:		ACCEPTED:	
By: _____	By: _____	By: _____	By: _____	By: _____	By: _____
Engineer (if required)	Owner (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)	Contractor (Authorized Signature)	Contractor (Authorized Signature)
Title: _____	Title: _____	Title: _____	Title: _____	Title: _____	Title: _____
Date: _____	Date: _____	Date: _____	Date: _____	Date: _____	Date: _____

Approved by Funding Agency (if applicable)
 By: _____ Date: _____
 Title: _____

END OF SECTION

**Davis Bacon
Prevailing Wage Rates**

Superseded General Decision Number: PA20230002

State: Pennsylvania

Construction Types: Heavy and Highway

Counties: Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Centre, Clarion, Clearfield, Clinton, Crawford, Elk, Erie, Fayette, Forest, Franklin, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Mifflin, Potter, Somerset, Venango, Warren, Washington and Westmoreland Counties in Pennsylvania.

HEAVY AND HIGHWAY CONSTRUCTION PROJECTS (excluding sewer grouting projects and excluding sewage and water treatment plant projects)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/05/2024
1	01/12/2024
2	01/19/2024
3	01/26/2024
4	02/23/2024
5	05/03/2024

BOIL0013-005 01/01/2024

CENTRE, FRANKLIN, POTTER, CLINTON, FULTON, HUNTINDON AND
MIFFLIN COUNTIES

	Rates	Fringes
BOILERMAKER.....	\$ 52.10	35.38

BOIL0154-004 01/01/2023

ALLEGHENY, ARMSTRONG, BEAVER, BEDFORD, BLAIR, BUTLER, CAMBRIA,
CAMERON, CLARION, CLEARFIELD, CRAWFORD, ELK, FAYETTE, FOREST,
GREENE, INDIANA, JEFFERSON, LAWRENCE, MCKEAN, MERCER, SOMERSET,
VENANGO, WARREN, WASHINGTON AND WESTMORELAND COUNTIES

	Rates	Fringes
BOILERMAKER.....	\$ 45.60	31.37

BOIL0744-003 07/01/2008

ERIE COUNTY

	Rates	Fringes
BOILERMAKER.....	\$ 35.34	18.48

BRPA0005-033 05/01/2022

MIFFLIN COUNTY

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 32.66	21.58

BRPA0005-046 05/03/2020

FRANKLIN COUNTY

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.99	16.87

BRPA0005-071 05/03/2020

CLINTON COUNTY

	Rates	Fringes
BRICKLAYER.....	\$ 34.17	17.20

BRPA0009-004 12/01/2022

BEDFORD, BLAIR, CAMBRIA, CENTRE COUNTY (Halfmoon, Houston,
Patton, Rush, Taylor and Worth Townships), FULTON, HUNTINGDON,
and SOMERSET COUNTIES

	Rates	Fringes
Bricklayer, Stonemason & Marble Setter.....	\$ 34.14	22.00

BRPA0009-006 12/01/2022		

CLEARFIELD, FOREST, JEFFERSON, VENANGO, AND CLARION (Except Brady, Madison, Perry, Porter, Redbank, and Toby Townships) COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 34.14	22.77
Marble mason.....	\$ 34.14	22.77

BRPA0009-023 12/01/2022		

BEAVER COUNTY

	Rates	Fringes
BRICKLAYER.....	\$ 35.28	24.49

BRPA0009-025 12/01/2022		

BUTLER, LAWRENCE, AND MERCER COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.73	24.14

BRPA0009-032 06/01/2017		

FAYETTE (Jefferson & Washington Twps), GREENE (Except Cumberland, Dunkirk, Greene, Monongahelia Twps), INDIANA, AND WESTMORELAND (Rostraver Twp) COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 31.00	20.66

BRPA0009-033 12/01/2022		

ARMSTRONG, CLARION (Brady, Madison, Perry, Tobe, Porter, Redbank Twps), FAYETTE (Except Jefferson & Washington Twps), GREENE (Cumberland, Dunkirk, Greene, Monongahelia Twps), INDIANA, AND WESTMORELAND (Except Rostrave Twp) COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 36.55	24.46

BRPA0009-034 11/01/2019		

ERIE COUNTY

	Rates	Fringes
BRICKLAYER.....	\$ 28.64	21.86

BRPA0009-058 06/01/2020		

ALLEGHENY, WASHINGTON (Cross Creek, Hanover, Jefferson, Mt Pleasant, Nottingham, Peters, Robinson, Smith, Union Twps) COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 34.05	22.81

BRPA0009-059 12/01/2022		

CAMERON, ELK, MCKEAN, POTTER AND WARREN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 31.62	22.81

CARP0274-001 01/01/2024		

	Rates	Fringes
PILEDRIVERMAN		
Piledriverman (welder).....	\$ 42.13	21.92
Piledriverman.....	\$ 40.63	21.92

CARP0274-002 01/01/2024		

	Rates	Fringes
Diver.....	\$ 60.95	21.92
Tender.....	\$ 40.63	21.92

CARP0443-004 06/01/2023		

	Rates	Fringes
MILLWRIGHT.....	\$ 45.50	31.56%+9.01

CARP2274-001 01/01/2024		

	Rates	Fringes
CARPENTER (ALLEGHENY, ARMSTRONG, BEAVER, BUTLER, ERIE, FAYETTE, GREENE, LAWRENCE, MERCER, WASHINGTON, AND WESTMORELAND COUNTIES)		
Carpenters (Welders).....	\$ 41.60	21.34
Carpenters.....	\$ 40.10	21.34
CARPENTER (BEDFORD, BLAIR, CAMBRIA, CAMERON, CENTRE, CLARION, CLINTON, CLEARFIELD, CRAWFORD, ELK, FOREST, FRANKLIN, FULTON, HUNTINGDON, INDIANA, JEFFERSON, MCKEAN, MIFFLIN, POTTER, SOMERSET, VENANGO, AND WARREN COUNTIES)		
Carpenters (Welders).....	\$ 41.35	21.34
Carpenters.....	\$ 39.85	21.34

ELEC0005-006 12/22/2023		

ALLEGHENY, ARMSTRONG, BEDFORD, BLAIR, BUTLER CAMBRIA, CAMERON, CENTRE (Remainder), CLARION, CLEARFIELD, ELK, FAYETTE, FULTON, GREENE, HUNTINGDON, INDIANA, JEFFERSON, MCKEAN, SOMERSET, VENANGO, WASHINGTON, AND WESTMORELAND COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 48.61	30.91

 ELEC0056-004 06/01/2023

ERIE, FOREST AND WARREN COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 38.94	25.26

 ELEC0126-005 05/31/2021

ALLEGHENY, ARMSTRONG, BEAVER, BEDFORD, BLAIR, CAMBRIA, CENTRE,
 CLARION, CLEARFIELD, FAYETTE, FULTON, GREENE, HUNTINGDON,
 INDIANA, JEFFERSON, SOMERSET, WASHINGTON AND WESTMORELAND

	Rates	Fringes
Line Construction:		
Cable Splicer.....	\$ 50.33	32.25%+11.00
Groundman.....	\$ 30.20	32.25%+11.00
Lineman.....	\$ 50.33	32.25%+11.00
Truck Driver.....	\$ 32.71	32.25%+11.00
Winch Truck Operator.....	\$ 35.23	32.25%+11.00

 ELEC0126-007 05/31/2021

FRANKLIN AND MIFFLIN COUNTIES

	Rates	Fringes
Line Construction:		
Cable Splicer.....	\$ 49.22	32.25%+11.00
Groundman.....	\$ 29.53	32.25%+11.00
Lineman.....	\$ 49.22	32.25%+11.00
Truck Driver.....	\$ 31.99	32.25%+11.00
Winch Truck Operator.....	\$ 34.45	32.25%+11.00

 ELEC0143-007 06/01/2023

FRANKLIN and MIFFLIN COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 37.00	26.33

 ELEC0712-003 01/01/2024

CRAWFORD, BEAVER, LAWRENCE AND MERCER COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 47.30	28.12

 ELEC0812-008 06/01/2023

CLINTON COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 36.84	24.91

 ELEC0812-009 06/01/2023

POTTER COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 37.85	24.94

 ELEC0812-011 06/01/2023

CENTRE COUNTY (Burnside, Curtin, Liberty, Howard, Marion,
 Walker, Miles, Haines Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 36.84	24.91

 ELEC1319-004 01/01/2024

BUTLER, CAMERON, CLINTON, CRAWFORD, ELK, ERIE, FOREST,
 LAWRENCE, MCKEAN, MERCER, VENANGO, WARREN AND POTTER COUNTIES

	Rates	Fringes
Line Construction:		
Equipment Operator.....	\$ 64.46	22.92
Groundmen.....	\$ 39.97	14.15
Linemen.....	\$ 64.46	28.42
Truck Driver.....	\$ 41.90	14.29

 ENGI0066-016 01/01/2024

	Rates	Fringes
Power equipment operators: (ALLEGHENY, ARMSTRONG, BEAVER, BLAIR, BUTLER, CAMBRIA, CENTRE, CLARION, CLEARFIELD, CRAWFORD, ERIE, ELK, FAYETTE, GREENE, INDIANA, JEFFERSON, LAWRENCE, MCKEAN, MERCER, SOMERSET, VENANGO, WARREN, WASHINGTON, AND WESTMORELAND COUNTIES)		
GROUP 1.....	\$ 38.59	24.03
GROUP 1-A.....	\$ 41.59	24.03
GROUP 1-B.....	\$ 40.59	24.03
GROUP 2.....	\$ 38.33	24.03
GROUP 3.....	\$ 34.68	24.03
GROUP 4.....	\$ 34.22	24.03
GROUP 5.....	\$ 33.97	24.03

Power equipment operators: (BEDFORD, CAMERON, CLINTON, FOREST, FRANKLIN, FULTON, HUNTINGDON, MIFFLIN, AND POTTER COUNTIES)		
GROUP 1.....	\$ 38.30	24.03
GROUP 1-A.....	\$ 41.30	24.03
GROUP 1-B.....	\$ 40.30	24.03
GROUP 2.....	\$ 38.02	24.03
GROUP 3.....	\$ 34.38	24.03
GROUP 4.....	\$ 33.89	24.03
GROUP 5.....	\$ 33.68	24.03

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 - Asphalt Paving Machine (Spreader), Autograde
 (C.M.I. and similar); Backfiller, Compactor with Blade,
 Backhoe - 360 and 180 degree Swing; Cableway; Caisson Drill

(similar to Hugh Williams), Central Mix Plant; Cooling Plant; Concrete Paving Mixer, Concrete Pump (self-propelled); Cranes; Cranes (boom or mast over 101ft.\$50 per each additional 50 feet inclusive of jib), Cranes (Tower Stationary- Climbing Tower Crane); Derrick; Derrick Boat; Dozer(greater than 25,000 lbs.); Dragline; Dredge; Dredge Hydraulic; Elevating Grader; Franki Pile Machine; Gradall (remote control or otherwise), Grader (power-fine grade); Hllift (4 cy. and over); Hoist 2 Drums or more (in one unit); Hydraulic Boom Truck with pivotal cab (single motor-Pitman or similar), Hydraulic Boom Truck (non pivotal cab); Hydro-pneumatic Excavation Equipment (or similar); (Boom and Mast over 101 feet will be paid an additional 50 feet inclusive of jib if used;) Kocal; Mechanic, Locomotive (std. Gauge); Metro-chip Harvester or similar; Milling Machine (Roto Mill or similar); Mix Mobile; Mix Mobile (with Self Loading Attachment), Mucking Machine (tunnel); Pile Driver Machine; Pipe Extrusion Machine; Presplitter Drill (self contained); Refrigeration Plant (soil Stabilization) Rough Terrain Crane (25 ton over) (Boom and Mast over 101 feet will be paid an additional 50 feet inclusive of jib if used); Rough Terrain Crane (under 25 ton), Scrapers; Shovel-Power; Slip form Paver (C.M.I. and similar); Trenching Machine (30,000 lbs. and over), Trenching Machine (under 30,000 lb.), Tunnell Machine (Mark XXI Jarva or similar), Vermeer Saw, Whirley, Mechanic, Compactor with blade

GROUP 1-A Backhoes-360 degree swing (above 120,000 lbs. gross weight); Cranes (over 100 tons), Cranes-Rough Terrain (over 100 ton); Tug Boat Pilot (on boats over 800 horsepower)

GROUP 1-B Backhoes-360 degree swing (above 70,000 lbs. to 120,000 lbs. gross weight); Cranes (up to 100 ton), Cranes-Rough Terrain (65 ton-100 ton), Tower Crane

GROUP 2: Asphalt plant operator; auger (tractor mtd.); auger (truck mtd.); belt loader (euclid or similar); boring machine; cable placer or layer; Directional drill over 3,000 lbs thrust; concrete batch plant (electronically synchronized); concrete belt placer (C.M.I. and similar); concrete finishing machine and spreader, concrete mixer (over 1 cy.) concrete pump (stationary); core drill (truck or skid mtd. - similar to penn drill), dozer (25,000 lbs or less); Ditch Witch Saw, force feedloader; fork lift (lull or similar); grader - power; grease unit operator (head); guard rail post driver (truck mounted) guard rail post driver (skid type); hllift (under 4 cy.); skid steer loader; hydraulic boom truck (non-pivotal cab); job work boat (powered), jumbo operator; locomotive (narrow gauge); minor equipment operator (accumulative four units); mucking machine; multi-head saw (groover); overhead crane; roller -power- asphalt; ross carrier; side boom or tractor mounted boom; shuttle buggy (asphalt), stone crusher (screening-washing plants); stone spreader (self propelled) truck mounted drill (davey or similar); welder and repairman; well point pump operator; bidwell concrete finishing machine (or similar).

GROUP 3: Broom Finisher (C.M.I. or similar); Compactors/Rollers (static or vibratory (Self-propelled) on dirt or stone; Curb Builder; Minor Equipment Operator (two or three units); Multi-head Tie Tamper; Pavement Breaker (self-propelled or ridden); Soil Stabilizer Machine; Tire Repairman; Tractor (snaking and hauling); Well Driller and Horizontal: Winch or "A" Frame Truck (when hoisting and lowering).

GROUP 4: Ballast Regulator; Compressor; Concrete Mixer (1 cy. & under with skip); Concrete Saw (Ridden or self-propelled); Conveyor; Elevator (Material hauling only); Fork-lift (Ridden or self-propelled); Form Line Machine; Generator; Groute Pump; Heater (Machinical); Hoist (single Drum); Ladavator, Light Plant; Mulching Machine; Personnel Boat (Powered), Pulverizer, Pumps, Seeding Machine, spray Cure Machine (powered Driven); Subgrader; Tie Puller; Tugger; Welding Machine (Gas or Diesel).

GROUP 5: Deck Hand; Farm Tractor; Fireman on Boiler; Oiler; Power Broom; Side Delivery Shoulder Spreader (attachment);

 IRON0003-001 06/01/2023

ALLEGHENY, FAYETTE, WESTMORELAND, CAMBRIA, INDIANA, ARMSTRONG, BUTLER, BEAVER, CLARION, AND WASHINGTON COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 38.89	34.54

 IRON0003-007 06/01/2023

BLAIR, CAMERON, CENTRE, CLEARFIELD, CLINTON, ELK, JEFFERSON, MCKEAN, AND POTTER COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 32.29	32.41

 IRON0003-011 06/01/2023

CRAWFORD, ERIE, FOREST, AND WARREN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.57	32.23

 IRON0207-002 06/01/2023

LAWRENCE, MERCER, AND VENANGO COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.00	27.16

 IRON0404-008 07/01/2023

FRANKLIN (Remainder), HUNTINGDON (Remainder), AND MIFFLIN COUNTIES

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 36.26	31.38

 IRON0549-002 12/01/2022

GREENE COUNTY

	Rates	Fringes
IRONWORKER.....	\$ 35.19	25.66

BEDFORD, FRANKLIN (Southwest 1/3), FULTON, HUNTINGDON (Western 2/3), AND SOMERSET COUNTIES

	Rates	Fringes
IRONWORKER		
Structural, Ornamental, Reinforcing, Machinery Mover, Rigger & Machinery Erector, Welder, Fence Erector.....	\$ 31.00	24.15

LAB01058-001 01/01/2024

	Rates	Fringes
LABORER (BEDFORD, CAMERON, CENTRE, CLINTON, CRAWFORD, FOREST, FRANKLIN, FULTON, HUNTINGDON, JEFFERSON, MIFFLIN, AND POTTER COUNTIES)		
GROUP 1.....	\$ 32.10	25.50
GROUP 2.....	\$ 32.26	25.50
GROUP 3.....	\$ 32.75	25.50
GROUP 4.....	\$ 33.20	25.50
GROUP 5.....	\$ 33.61	25.50
GROUP 6.....	\$ 30.45	25.50
GROUP 7.....	\$ 33.10	25.50
GROUP 8.....	\$ 34.60	25.50

Laborers: (ALLEGHENY,
ARMSTRONG, BEAVER, BLAIR,
BUTLER, CAMBRIA, CLARION,
CLEARFIELD, ELK, ERIE,
FAYETTE, GREENE, INDIANA,
LAWRENCE, MCKEAN, MERCER,
SOMERSET, VENANGO, WARREN,
WASHINGTON, AND WESTMORELAND
COUNTIES)

GROUP 1.....	\$ 32.20	25.50
GROUP 2.....	\$ 32.36	25.50
GROUP 3.....	\$ 32.75	25.50
GROUP 4.....	\$ 33.20	25.50
GROUP 5.....	\$ 33.61	25.50
GROUP 6.....	\$ 30.45	25.50
GROUP 7.....	\$ 33.20	25.50
GROUP 8.....	\$ 34.70	25.50

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt curb sealer; Asphalt tamper; Batcherman (weigh) Blaster, Boatman, Brakeman, Change house attendant, Cofferdam, Concrete curing pitman, Puddler, Drill Runner's helper (Includes Drill Mounted on Truck, Track, or similar and Davey Drill Spots, Clean up, helps to maintain), Electric Brush and or Grinder, Fence Construction (Including Fence Machine Operator) Form stripper and Mover, Gabion (Erectors and Placers) Hydro jet blaster nozzleman; Landscape laborer, Manually moved emulsion sprayer, Radio actuated traffic control operator Rip rap work, scaffolds and Runways, Sheeters and Shorers (includes lagging) structural concrete Top Surfacers, Walk Behind Street Sweeper, and Wood Chipper; water boy

GROUP 2: Air tool operator (all types); Asphalt, batch & concrete plant operator (manually operated) Burner,

Caisson; men (open air); Carryable pumps; Chain saw operator including attachments, Cribbing, (concrete or steel); Curb machine operator (asphalt or concrete walk behind); Diamond head Core Driller, Drill runner's helper (tunnel) Fork Lift, (walk behind), Form Setter (Road Forms Line man) Highway Slab reinforcement placers (including joint and Basket Setters) Hydraulic pipe pusher; Liner plates (Tile or Vitrified Clay) Mechanical compacting equipment operators, Mechanical joint sealer, Dope pot and Tar Kettle, Mortar mixer (hand or machine) Muckers, Brakemen & all other Labor, (Includes installation of utility lines) Pipe Layers /Fusion /Heating Iron (Regardless of materials) Portable Single Unit Conveyor, Post Hole Auger, (2 or 4 cycle hand operated) Power wheelbarrows and buggies, Rail porter or similar; Sand blaster; Signal Man, Vibrator operator, All RAILROAD TRACK WORK TO INCLUDE THE FOLLOWING: adzing machine, ballast Router, Bolting Machine, Power Jacks, Rail Drills, Railroad Brakeman, Rail Saws, Spike Drivers (Manually or hand held tool) Spike Pullers Tamping Machine, Thermitweld

GROUP 3: Asphalt Luteman/Raker, Blacksmith, Blaster, Brick, stone and block pavers and block cutters (wood, belgian and asphalt); Cement mortar lining car pusher; Cement mortar mixer (pipe relining); Cement mortar pipe reliners; concrete saw operator (walk behind); Curb cutters and setters; Elevated roadway drainage construction; erector of overhead signs, Form setter (road forms-lead man); Grout machine operator; Gunite or dry pack gun (nozzle and machine man); Manhole or catch basin builder (Brick block concrete or any prefabrication) Miners and drillers (including lining, supporting and form workmen, setting of shields, miscellaneous equipment and jumbos); Multi-plate pipe (aligning and securing); Placing wire mesh on gunite projects; Wagon drill operators (air track or similar); Walk behind ditching machine (trencher or similar); crown screed adjuster and welder

GROUP 4: Reinforcing Steel Placer (Bending, aligning, and securing, Cadweld)

GROUP 5: High Burner, (Any burning not done from deck), Welder (Pipeline)

GROUP 6: Uniformed Flagperson, Watchman

GROUP 7: Toxic/Hazardous Waste Removal Laborer Levels C & D

GROUP 8: Toxic/Hazardous Waste Removal Laborer Levels A & B

 PAIN0021-019 05/01/2021

CLINTON COUNTY

	Rates	Fringes
Painters:		
Bridge.....	\$ 36.67	18.80
Brush & Roller.....	\$ 29.02	21.14
Spray.....	\$ 30.02	21.14

 PAIN0021-024 05/01/2021

FRANKLIN COUNTY

	Rates	Fringes
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PAINTER
 Brush.....\$ 25.84 16.30

 PAIN0057-014 06/01/2023

ALLEGHENY, FAYETTE, GREENE, WASHINGTON COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 38.33	23.72
Brush & Roller.....	\$ 30.56	23.72
Spray.....	\$ 30.56	23.72

 PAIN0057-015 06/01/2023

ARMSTRONG, BEAVER, BEDFORD, BLAIR, BUTLER, CAMBRIA, CENTRE,
 CLARION, CLEARFIELD, ELK, FULTON, HUNTINGTON, INDIANA,
 JEFFERSON, LAWRENCE, MERCER, MIFFLIN, SOMERSET, VENANGO AND
 WESTMORELAND COUNTIES

	Rates	Fringes
Painters:		
Bridge.....	\$ 38.33	23.72
Brush and Roller.....	\$ 30.56	23.72
Spray.....	\$ 30.56	23.72

 * PAIN0057-022 05/01/2024

	Rates	Fringes
Painters: (ERIE, McKEAN, AND WARREN (Including Columbus and Freehold twps) COUNTIES)		
Bridges, Stacks, Towers.....	\$ 28.87	24.89
Brush and Roller.....	\$ 26.37	24.89
Spray and Sandblasting.....	\$ 27.12	24.89

 PAIN0057-027 06/01/2023

CAMERON, CRAWFORD, POTTER, WARREN, (Excluding Columbus and
 Freehold twps)

	Rates	Fringes
PAINTER		
Brush and Roller.....	\$ 30.56	23.72

 PLAS0526-002 01/01/2024

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.14	26.30

 PLUM0027-001 06/01/2023

ALLEGHENY, ARMSTRONG, BEAVER, BUTLER, CLARION, GREENE (Except
 extreme Eastern portion), LAWRENCE, WASHINGTON (Except extreme
 Eastern portion) and WESTMORELAND (City of Arnold and City of
 New Kensington Only) COUNTIES

	Rates	Fringes
Plumbers and Pipefitters		

(Bridge Drain Pipe).....\$ 48.65 25.47

PLUM0027-009 06/01/2023

CRAWFORD, ERIE, FOREST, MCKEAN, MERCER, VENANGO and WARREN
COUNTIES

Rates Fringes

Plumbers and Pipefitters
(Bridge Drain Pipe).....\$ 46.98 25.47

PLUM0354-005 06/01/2012

BEDFORD, BLAIR, CAMBRIA, CAMERON, CLEARFIELD, ELK, FAYETTE,
GREENE (Extreme Eastern portion), HUNTINGDON, INDIANA,
JEFFERSON, SOMERSE, WASHINGTON (Extreme Eastern portion), AND
WESTMORELAND COUNTIES

Rates Fringes

Plumbers and Pipefitters
(Bridge Drain Pipe).....\$ 35.54 19.97

TEAM0040-006 01/01/2024

Rates Fringes

TRUCK DRIVER (ALLEGHENY,
ARMSTRONG, BEAVER, BLAIR,
BUTLER, CAMBRIA, CENTRE,
CLARFIELD, CRAWFORD, ERIE,
FAYETTE, GREENE, INDIANA,
JEFFERSON, LAWRENCE, MCKEAN,
MERCER, SOMERSET, VENANGO,
WARREN, WASHINGTON, AND
WESTMORELAND)
GROUP 1.....\$ 34.93 22.71
GROUP 2.....\$ 35.39 23.02

Truck drivers: (BEDFORD,
CAMERON, CLAIRON, CLINTON,
ELK, FOREST, FRANKLIN,
FULTON, HUNTINGDON, MIFFLIN,
AND POTTER COUNTIES)
GROUP 1.....\$ 34.79 22.63
GROUP 2.....\$ 35.25 22.93

FOOTNOTES: A. Hazardous/toxic waste material/work level A
& B receive additional \$2.50 per hour above classification
rate

B. Hazardous/toxic waste materials/Work level C & D receive
\$1.00 per hour above classification

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - Single Axle (2 axles including steering axle);
Includes partsman and warehoueman. Tandem - Tri-Axle -
Semi-Tractor Trailer (combination) (3 axles or more
including steering axle)

GROUP 2 - Specialty Vehicles; Heavy equipment whose capacity
exceeds that for which state licenses are issued
specifically refers to units in excess of eight (8) feet
width (such as Euclids, Atley Wagon, Payloader,
Tournawagons, and similar equipment when not self loaded);

Tar and Asphalt Distributors Trucks, Heavy Duty Trailer,
such as Low Boy, High Boy

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other
health-related needs, including preventive care; or for reasons
resulting from, or to assist a family member (or person who is
like family to the employee) who is a victim of, domestic
violence, sexual assault, or stalking. Additional information
on contractor requirements and worker protections under the EO
is available at
<https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification
and wage rates that have been found to be prevailing for the
cited type(s) of construction in the area covered by the wage
determination. The classifications are listed in alphabetical
order of ""identifiers"" that indicate whether the particular
rate is a union rate (current union negotiated rate for local),
a survey rate (weighted average rate) or a union average rate
(weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed
in dotted lines beginning with characters other than ""SU"" or
""UAVG"" denotes that the union classification and rate were
prevailing for that classification in the survey. Example:
PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of
the union which prevailed in the survey for this
classification, which in this example would be Plumbers. 0198
indicates the local union number or district council number
where applicable, i.e., Plumbers Local 0198. The next number,
005 in the example, is an internal number used in processing
the wage determination. 07/01/2014 is the effective date of the
most current negotiated rate, which in this example is July 1,
2014.

Union prevailing wage rates are updated to reflect all rate
changes in the collective bargaining agreement (CBA) governing
this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

State Adopted Rate Identifiers

Classifications listed under the ""SA"" identifier indicate that the prevailing wage rate set by a state (or local) government was adopted under 29 C.F.R. 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 01/03/2024 reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described

in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION"