

REQUEST FOR QUOTE (RFQ)

Chesapeake Conservancy is a non-profit organization that works with conservation partners and landowners to implement Best Management Practices on agricultural land.

Chesapeake Conservancy is soliciting quotes for the following services for a 2.5-acre wildlife habitat and riparian buffer tree planting:

- Project management (coordination and oversight)
- Site preparation
- Implementation (tree and shrub planting)
- Post planting establishment activities

Contractors may bid on one or more of the services. Separate contracts may be issued.

RFQ OVERVIEW AND DESCRIPTION OF WORK

Landowner Name: Orvil D. and Mary T. Hosterman

Project Location: Intersection of Apple Butter Road and Middle Road
Aaronsburg, PA 16820
Centre County

RFQ Issuing Office: Chesapeake Conservancy
Email: paprograms@chesapeakeconservancy.org
Phone: 570-372-4065

RFQ Release Date: April 2, 2024

RFQ Due Date: **All quotes must be submitted by:**
May 2, 2024 at 8:00 am Eastern Time
Quotes will not be accepted after this date and time.

RFQ Submission: **All quotes must be submitted electronically, or hand delivered in-person.**
DO NOT MAIL QUOTES – QUOTES WILL NOT BE ACCEPTED THROUGH U.S. MAIL.

Email: paprograms@chesapeakeconservancy.org
Include “Hosterman RFQ Response” in the subject line.

In Person: Chesapeake Conservancy
Attention: Frank Rohrer/Hosterman RFQ Response
Susquehanna University, Freshwater Research Institute Building
1250 West Sassafras Street
Selinsgrove, PA 17870
A drop box is located inside the main entrance and is accessible at any time.

RFQ Award Notification: Notification of award will be made no later than:
May 9, 2024

Questions: All questions regarding this RFQ should be submitted to:
paprograms@chesapeakeconservancy.org
Include “Hosterman RFQ Question” in the subject line.
Frank Rohrer, 570-372-4065

Project Description:

The successful bidder will be responsible for the following:

Service 1: Project Management

- Managing the restoration project and serving as a main point of contact for the landowner.
- Coordinating and communicating project logistics and updates with the landowner and Chesapeake Conservancy.

Service 2: Site Preparation

- Implementing the site preparation activities as described in the *Site Prep* section of Attachment A – Hosterman Multifunctional Riparian Buffer Planting Plan, including but not limited to herbicide application, mowing and invasive plant control.
- Complete and submit to Conservancy page 3 of Attachment B -Maintenance/Assessment and Spray Report Form.

Service 3: Implementation

- Implementing the activities as described in the *Implementation* section and throughout Attachment A – Hosterman Multifunctional Riparian Buffer Planting Plan, including but not limited to tree and shrub planting.
 - **The installed practices must meet the specifications of the approved plan and DCNR.** The DCNR Service Forester will conduct a site visit after implementation to certify that the project was implemented according to specifications. **The successful bidder will be responsible for any necessary corrections needed to meet specifications.**
 - The practices will be implemented in the areas shown on the plan map(s).
- Complete and submit to Conservancy page 3 of Attachment B -Maintenance/Assessment and Spray Report Form.

Service 4: Post Planting Establishment

- Implementing the post planting establishment activities for 2025 as described in the *Management and Monitoring* sections of Attachment A – Hosterman Multifunctional Riparian Buffer Planting Plan. **This contract will not include any post planting work beyond 2025.**
- Complete and submit to Conservancy Attachment B -Maintenance/Assessment and Spray Report Form.

The contract will include, but is not limited to, the materials, labor and equipment to complete the activities listed in the Project Description and specified in the planting plan.

Other

- Contractor will ensure that all the project complies with all local, state and federal laws and regulations.
- Contractor shall provide a minimum of 5 high quality project photographs with descriptions. Photographs of work in progress as well as “before and after” are encouraged. Photographs shall be emailed to the Conservancy at frohrer@chesapeakeconservancy.org.

NOTICE – This contract will include only the activities listed for 2024 and 2025 in Attachment A – Hosterman Multifunctional Riparian Buffer Planting Plan. DO NOT INCLUDE ANY WORK BEYOND 2025 IN YOUR QUOTE.

RFQ TERMS AND CONDITIONS

CONSTRUCTION SCHEDULE:

Bidders shall include with their response the approximate date site preparation and implementation can start, the approximate date implementation will be completed and the approximate date the final year of post planting establishment will be completed. At a minimum, bidders shall meet the following schedule:

- **Site preparation and implementation must be completed by October 31, 2024.**
- **All post planting establishment must be completed by November 15, 2025.**

WARRANTY/PLANTING GUARANTEE: Bidders shall include with their response, a description of their planting guarantee/warranty.

PA ONE CALL:

Contractor shall follow all laws and regulations relating to the Pennsylvania One-Call System. Before beginning the project, the contractor shall submit a Locate Request to the Pennsylvania One-Call System to assist with the prevention of accidental damage to underground public utilities. If designing the project, the contractor shall also submit a Final Design Notification to the Pennsylvania One-Call System.

PA One Call: 1-800-242-1776 or 811
Project Design Serial #: 202332263858

CONTRACTOR NOTIFICATION:

The contractor shall notify Frank Rohrer, Chesapeake Conservancy (570-372-4065) at least three (3) days prior to beginning implementation and prior to final departure from the site.

PAYMENT INFORMATION:

Site preparation and implementation invoices will be accepted when those components of the plan have been completed and will follow an established payment schedule (payment schedule may include deposit for materials) agreed to by Chesapeake Conservancy and Contractor. Payment will be issued on a Net 30 schedule upon submission of an approved invoice, completed Application for Payment form, Maintenance/Assessment and Spray Report (page 3), Final Report and enhanced minimum wage documentation.

Post planting establishment invoices will be accepted upon completion of the post planting activities. Payment will be issued on a Net 30 schedule upon submission of an approved invoice, completed Application for Payment form, Maintenance/Assessment and Spray Report and enhanced minimum wage documentation.

ENHANCED MINIMUM WAGE PROVISIONS:

Enhanced minimum wage rate provisions apply to all work associated with this contract. All services in this RFQ must follow the enhanced minimum wage provisions as outlined below* per Pennsylvania's Department of General Services. Contractors shall follow and ensure that all subcontractors follow the required enhanced minimum wage rates.

- Effective July 1, 2023, the enhanced minimum wage rate is \$16.17 per hour. ([53 Pa.B. 1159](#)).
- Effective July 1, 2024, the enhanced minimum wage rate is \$16.74 per hour ([54.Pa.B. 1524](#)).
- An annual cost of living adjustment is applied to the minimum wage rate each July. *All services completed after July 1st must be paid at the new rate.*
- Contractor and all subcontractors will be required to send timesheets/payroll documentation reflecting compliance with these provisions to Chesapeake Conservancy.

***PA Department of Environmental Protection Grant Language**
Additional Enhanced Minimum Wage Provisions
(as applicable to contractors and for-profit grantees)

- a. **Enhanced Minimum Wage.** Contractor/Lessor agrees to pay no less than \$16.17 per hour to its employees for all hours worked directly performing the services called for in this Contract/Lease, and for an employee's hours performing ancillary services necessary for the performance of the contracted services or lease when such employee spends at least twenty percent (20%) of their time performing ancillary services in a given work week.
- b. **Adjustment.** Beginning July 1, 2023, and annually thereafter, the minimum wage shall be increased by an annual cost-of-living adjustment using the percentage change in the Consumer Price Index for All Urban Consumers (CPI-U) for Pennsylvania, New Jersey, Delaware, and Maryland. The applicable adjusted amount shall be published in the Pennsylvania Bulletin by March 1 of each year to be effective the following July 1.
- c. **Exceptions.** These Enhanced Minimum Wage Provisions shall not apply to employees:
 1. Exempt from the minimum wage under the Minimum Wage Act of 1968;
 2. Covered by a collective bargaining agreement;
 3. Required to be paid a higher wage under another state or federal law governing the services, including the Prevailing Wage Act and Davis-Bacon Act; or
 4. Required to be paid a higher wage under any state or local policy or ordinance.
- d. **Notice.** Contractor/Lessor shall post these Enhanced Minimum Wage Provisions for the entire period of the contract conspicuously in easily-accessible and well-lighted places customarily frequented by employees at or near where the contracted services are performed.
- e. **Records.** Contractor/Lessor must maintain and, upon request and within the time periods requested by the Commonwealth, furnish all employment and wage records necessary to document compliance with these Enhanced Minimum Wage Provisions.
- f. **Sanctions.** Failure to comply with these Enhanced Minimum Wage Provisions may result in the imposition of sanctions, which may include, but shall not be limited to, termination of the contract or lease, nonpayment, debarment or referral to the Office of General Counsel for appropriate civil or criminal referral.
- g. **Subcontractors.** Contractor/Lessor shall include the provisions of these Enhanced Minimum Wage Provisions in every subcontract so that these provisions will be binding upon each subcontractor.

EQUAL EMPLOYMENT OPPORTUNITY:

Chesapeake Conservancy is an equal opportunity employer. The successful bidder shall comply with all federal, state, and local equal employment opportunity requirements. Additional information can be found at <https://www.ecfr.gov> and searching [41 CFR 60-1.4\(b\)](#).

SMALL BUSINESS AND SMALL DIVERSE BUSINESS:

Chesapeake Conservancy encourages the use of small, diverse businesses when soliciting Requests for Quotes. A *Small Business* is a business in the United States which is independently owned, not dominant in its field of operation, employs no more than 100 full-time or full-time equivalent employees and earns less than \$38.5 million in gross annual revenues. A *Small Diverse Business* is a small business that is minority, women, veteran, service-disabled veteran, LGBT, or disability owned.

Contractors and any subcontractors who qualify as a *Small Business* or *Small Diverse Business* should check the applicable box on the Contractor Quote Form.

SAFETY PERFORMANCE:

Bidders shall provide safety performance information including OSHA records and EMR on their company and any subcontractors.

OSHA Records:

- OSHA reportable incidents for the past three (3) years. If there were no OSHA reportable incidents, indicate “none”. See <https://www.osha.gov/recordkeeping/> for additional information.
- TRIR (Total Recordable Incident Rate) which is the number of incidents x 200,000 / total number of employee hours worked in a year.
- DART (Days Away, Restricted or Transferred Rate). See <https://data.bls.gov/iirc/> to determine the value.

Contractors whose business is not required to keep OSHA records because they have 10 employees or less should check the applicable box on the Contractor Quote Form.

Experience Modifier Rate (EMR):

- EMR provided by the insurance company.

PENNSYLVANIA COMMERCIAL/PUBLIC PESTICIDE CERTIFICATION:

Contractor must have a current Pennsylvania Pesticide Applicator License and must be certified in the appropriate categories for this project. It is the contractor’s responsibility to ensure proper certifications. Contractor must maintain the license for the term of the contract.

WORKER PROTECTION INVESTMENT AND CERTIFICATION FORM:

Bidders shall provide a signed Commonwealth of Pennsylvania Worker Protection Investment and Certification Form (Attachment D).

DEBARMENT AND TAX LIABILITY:

Contractors will be required to certify that they and any subcontractors are not listed on the Debarment and Suspension List maintained by the Pennsylvania Department of General Services (<https://www.dgs.internet.state.pa.us/debarmentsearch/debarment/index>) and the General Services Administration’s List of Parties Excluded from Federal Procurement or Nonprocurement Programs (www.SAM.gov) in accordance with Executive Orders 12549 and 12689, “Debarment and Suspension” and have no outstanding tax liabilities. Contractors will also be required to certify that they and any subcontractors are not in default of a loan or funding agreement administered by any Commonwealth agency.

INSURANCE REQUIREMENTS:

Bidders shall include a copy of their current Certificate of Insurance that reflects their existing levels of liability insurance coverage. Chesapeake Conservancy will work with the successful bidder to ensure adequate levels of insurance are in place for the project prior to finalizing a contract.

Certificate of Insurance must indicate that Pesticide Applications are included in the coverage.

Preferred levels of coverage include the following:

<i>Type of Insurance Coverage</i>	<i>Limit Required</i>
Workers Compensation and Employer’s Liability -	Statutory
Bodily Injury, Each Accident:	State Minimum
Bodily Injury By Disease, Each Employee:	State Minimum
Bodily Injury/Disease, Policy Limit:	State Minimum
General Liability -	
Each Occurrence (Bodily Injury and Property Damage):	\$1,000,000
General Aggregate:	\$1,000,000

Excess or Umbrella Liability -	
Per Occurrence:	\$1,000,000
General Aggregate:	\$2,000,000
Automobile Liability -	
Combined Single Limit (Bodily Injury and Property Damage):	\$1,000,000

Once Chesapeake Conservancy and the successful bidder have reached an agreement pertaining to the levels of insurance needed for the project, the successful bidder and any subcontractor shall add “**Chesapeake Conservancy**” and “**National Fish and Wildlife Foundation**” as additional insured on their policy and shall provide Chesapeake Conservancy with a certificate of insurance documenting this coverage certified as current by a licensed insurance broker.

Note: Bidders do not need to add the additional insured to their policy when responding to the RFQ. Only the successful bidder will be required to name the additional insured on their policy after the bid is awarded. The Certificate Holder should be as follows: Chesapeake Conservancy, 716 Giddings Ave, Suite 42, Annapolis, MD 21401.

GRANTS:

The terms and conditions of the Department of Conservation and Natural Resources Community Conservation Partnerships Program Chesapeake Bay Accountability and Recovery Act State Parks and Outdoor Recreation - ARPA (BRC-RFB-28.6-81) and National Fish and Wildlife Foundation Innovative Nutrient and Sediment Reduction Grant (0602.20.068334) grant(s) apply to the contracts that result from this RFP. Copies of the grant(s) are available upon request.

ATTACHMENTS:

The following Attachments are included for reference as part of this RFQ:

- Attachment A – Hosterman Multifunctional Riparian Buffer Planting Plan (includes maps)
- Attachment B – Final Report
- Attachment C – Maintenance/Assessment and Spray Report
- Attachment D – Worker Protection and Investment Certification Form

SUBMISSION OF QUOTES AND SELECTION CRITERIA

SUBMISSION OF QUOTES:

Quotes are requested for the items described in the Project Description and Attachment A – Hosterman Multifunctional Riparian Buffer Planting Plan. Any estimated quantities included in this RFQ are for information only. The bidder is responsible for determining the quantities needed to complete the project based on the project details.

At a minimum each quote response must include:

- Contractor Quote Form
 - Price – including itemized prices for site preparation, implementation and post planting establishment
 - Three references
 - Proposed start dates for site preparation and implementation
 - Estimated completion dates for implementation and post planting establishment
 - Warranty/planting guarantee
 - Enhanced minimum wage certification
 - Safety performance
 - Debarment and tax liability certification
 - Signed by authorized representative
- Commonwealth of Pennsylvania Worker Protection Investment and Certification Form (signed)
- Current Certificate of Insurance

All quotes must be submitted electronically, or hand-delivered to Chesapeake Conservancy by the RFQ due date specified on Page 1 of the RFQ.

CONTRACTOR SELECTION CRITERIA:

Contractor will be evaluated on the following criteria:

- References - Demonstrates experience by providing examples (references) of at least three (3) similar projects in Pennsylvania. More than 3 references are allowed.
- Quote price
- Proposed start dates
- Estimated completion dates
- Warranty/planting guarantee
- Enhanced minimum wage compliance
- Safety performance
- Debarment and tax liability status
- Submission of Commonwealth of PA Worker Protection Investment and Certification Form
- Provided Certificate of Insurance with current levels of coverage

Quotes will be awarded to the most qualified economic bidder, as determined by Chesapeake Conservancy. Chesapeake Conservancy reserves the right to reject any or all quotes and/or cancel the quote for any reason.

CONTRACTOR QUOTE FORM

Page 1 of 3

Contractor Name: _____

Project Name: Hosterman Wildlife Habitat and Riparian Buffer Tree Planting

Project Location: Intersection of Apple Butter Road and Middle Road, Centre County

1. Price to supply materials, labor and equipment for performing the work as described in the Description of Work – **Required (Fill in below or provide separate cost breakdown document):**

Service 1 - Project Management \$ _____

Service 2 - Site Preparation

Materials: \$ _____

Labor: \$ _____

Total Site Preparation: \$ _____

Service 3 - Implementation

Materials: \$ _____

Labor: \$ _____

Total Implementation: \$ _____

Service 4 - Post Planting Establishment

Materials: \$ _____

Labor: \$ _____

Total Implementation: \$ _____

Total Quote For ALL Services \$ _____

2. I/We plan to use the following subcontractors in order to perform parts of this project (include Tax ID):

Name: _____ EIN: _____

Name: _____ EIN: _____

3. The following three references are provided with telephone numbers of projects completed of similar scope and size - **Required:**

Name: _____ Telephone: _____

Name: _____ Telephone: _____

Name: _____ Telephone: _____

CONTRACTOR QUOTE FORM

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4. Date on which site preparation can be started - **Required:** _____
5. Date on which implementation can be started - **Required:** _____
6. Estimated date on which implementation can be completed (not including post planting establishment)
Required: _____
7. Estimated date on which post planting establishment can be completed (for final year)
Required: _____
8. I/We provide the following planting guarantee/warranty. If none, enter "none." - **Required:**

9. Enhanced Minimum Wage Rate Provisions (See Terms and Conditions for details) - **Required:**
 I agree to comply with the enhanced minimum wage rate provisions.
10. Small Business or Small Diverse Business (See Terms and Conditions for details) - *Check if Applicable*
 I self-certify that my business (or any subcontractors listed above) qualify as a Small Business.
 I self-certify that my business (or any subcontractors listed above) qualify as a Small Diverse Business.
11. Safety performance (See Terms and Conditions for details) - **Required:**

OSHA Records

- I certify that my business does not need to keep OSHA records because we have 10 employees or less.
_____ OSHA reportable incidents for the past three years (attach documentation if applicable)
_____ TRIR (Total Recordable Incident Rate) (show calculation, if none, write 0)
_____ DART (Days Away, Restricted or Transferred Rate) (attach documentation/screen printout, if applicable)

Experience Modifier Rate

_____ EMR (attach documentation from insurance company, write N/A if not applicable)

12. Debarment and tax liability status (See Terms and Conditions for details) - **Required:**
 I certify that my business, and any subcontractors, are not debarred by the State of Pennsylvania or the federal government.
 I certify that my business, and any subcontractors, have no tax liabilities and are not in default of a loan or funding agreement administered by the State of Pennsylvania.

CONTRACTOR QUOTE FORM

Page 3 of 3

13. Commonwealth of Pennsylvania Worker Protection Investment and Certification Form (See Terms and Conditions for details) - **Required:**

I have included the completed Worker Protection Investment and Certification Form with my response.

14. Certificate of Insurance (See Terms and Conditions for details) - **Required:**

I have included a copy of my Certificate of Insurance with my response.

This quote is submitted in response to the RFQ for the project described within. The quote is based on my knowledge of the plans and specifications identified within. This quote will remain valid for 90 days after submission. If awarded the RFQ, I agree to sign a contract with the Chesapeake Conservancy.

Company Name: _____ Company Tax ID (EIN): _____

Company Address: _____

Representative's Name: _____ Telephone: _____

Email Address: _____

Signature: _____ Title: _____ Date: _____

Attachment A – Hosterman Multifunctional Riparian Forest Buffer Planting Plan

Prepared by (plan writer name):	Lysle Sherwin (Frank Rohrer, Chesapeake Conservancy completed this form)
Company name:	Seven Willows LLC
Company Address:	604 Penns Cave Road, Spring Mills, PA 16875
Phone:	814-422-8802
Email:	lyslesherwin@gmail.com
Date written:	10/2/23

Contact Information

Landowner

Name:	Orvil D and Mary T Hosterman
Mailing Address:	401 Cemetery Road, Aaronsburg, PA 16820
Phone:	814-349-8170
Email:	applebutterfarm@gmail.com

Project Manager

Name:	Lysle Sherwin
Organization:	Seven Willows LLC
Phone:	814-422-8802
Email:	lyslesherwin@gmail.com

Implementation Partner

Name:	Amy Taracido
Organization:	Partners for Fish and Wildlife/Foundation for California University of PA
Phone:	724-938-5799
Email:	taracido_a@pennwest.edu

Implementation Partner

Name:	
Organization:	
Phone:	
Email:	

Planting Contractor (if known)

Name:	
Address:	
Phone:	
Email:	

DCNR Service Forester

Name:	Tim Cole
Address:	Rothrock District Office, 181 Rothrock Ln, Huntingdon, PA 16652
Forest District:	5 - Rothrock
Phone:	814-643-2340
Email:	ticole@pa.gov

Site Information

Site Address:	Intersection of Apple Butter Road and Middle Road, Aaronsburg, PA 16820
County:	Centre
Municipality:	Haines Township
Proposed Buffer Coordinates:	40.911936, -77.383576
Directions to Site:	From Woodward head west on PA-45 for about 1.8 miles. Turn right onto Apple Butter Road. Travel 0.6 miles. Project is located north of intersection of Apple Butter Road and Middle Road.

Utility Lines

Date of Final Design PA One Call:	8/14/23
PA One Call System:	1-800-242-1776 or 811; https://www.pa1call.org
Final Design Serial # Assigned:	20232263858
Conflicts Identified:	No reported conflicts. Contractor must submit Routine Notification Request as required by law.

Current Site Conditions

Stream Name:	Fiedler Run (Unnamed Tributary to Pine Creek)
HUC 12 Watershed Name:	Voneida Run-Pine Creek
HUC 12 Watershed #:	020503010202
Perennial, intermittent, or ephemeral stream:	Intermittent
Approximate stream width (ft):	5
Streambank condition:	Vegetated. Mostly stable.
% Canopy cover over stream:	40
Current buffer width (ft):	0-30
Native species present in buffer:	The hillside forest type is "Sugar maple, Basswood" and includes a number of Butternut trees, many of which are in decline from an endemic disease.
Invasive/noxious weed present in buffer and relative amounts:	Invasive shrubs (bush honeysuckle, autumn olive) has been cut and mulched and cut stem herbicide applications have been performed by Partners for Fish and Wildlife already as match to the project. Current invasive are low as a result.
Deer pressure:	Moderate to high
Current land use of buffer:	Idle/mowed. Field borders of mature trees and a steep, forested hillside constitute about one acre, plus a 0.5 acre of hay grasses and 1.5 acres of "wet meadow". A 2.5-acre wildlife habitat and riparian buffer planting of native upland forest trees and palustrine shrubs will be implemented within a 4-acre parcel.

Plan Details

Planned Riparian Buffer Information

Total buffer acres:	2.5
Total avg width of buffer (ft):	180
Total linear feet of buffer (include both sides of stream if project involves both sides):	1800
Acres of tree establishment:	2.5
Avg width of tree buffer (ft):	180
Acres of pollinator seeding:	0
Avg width of pollinator seeding buffer (ft):	0
Proposed planting season:	Fall (Sept-Nov) 2024

Site Prep

(mowing, herbicide, invasive control, etc. as applicable)

Activity and Methods	Timeline (month, year)	Who Will Perform the Work
Mow grass/invasives and spot spray invasives in upland forest field. (upland forest field is west of Apple Butter Road)	September 2024 (or earlier)	Contractor to be determined.
Spot spray invasives in wetland field. (wetland field in east of Apple Butter Road)	September 2024	Contractor to be determined.
<p><u>Describe any details of site prep as needed for clarification (be sure to describe how invasives will be controlled):</u> Pre-planting site treatment of invasive shrubs by mulcher equipment and cut stem herbicide applications have been performed as matching contributions US Fish and Wildlife Service’s “Partners for Fish and Wildlife Program.” Remaining site prep to be completed includes the activities listed in the table above.</p>		

Implementation

(tree planting, seeding, tree cages, etc. as applicable)

Activity and Methods	Timeline (month, year)	Who Will Perform the Work
Plant 275 large stock trees and shrubs. Minimum size of all tree and shrubs will be 2 gallon. 3 gallon is preferred when available. Install two-foot plastic shelters with stakes on 175 trees and shrubs. Spot spray 6'x6' herbicide spots around all planted trees/shrubs.	Fall (Sept-Nov) 2024	Contractor

Describe any details of implementation as needed for clarification:

Minimum size of all tree and shrubs will be 2 gallon. 3 gallon is preferred when available.

Two-foot plastic shrub shelters will be installed on 175 shrub and tree species in order to protect plants from herbicide contact. No shelters will be used on 100 shrubs resistant to deer browsing.

The forested hillside and the existing steep small hayfield on the one-acre portion west of Apple Butter Road will be entirely planted with 75 trees including sugar maple, basswood, butternut, tulip poplar, swamp white oak, red oak, shagbark hickory along with understory species like witch-hazel.

The flow path areas (1.5 acres) east of Apple-Butter Road will be primarily planted with palustrine shrubs such as speckled alder, buttonbush, blackhaw viburnum, spiraea, and shrub willow live stakes. Approximately 200 palustrine shrubs will be planted in this area at a 4' x 4' high density spacing to suppress invasive competing grasses and herbaceous species and create site conditions and brood habitat suited to woodcock and other ground nesting birds. The perimeter of the eastern portion will be planted with American crabapple, alternate leaf dogwood, redbud and other flowering landscape species.

Deer impacts will be reduced through the use of shelters and species selection. Species planted will be selected for resistance to deer herbivory such as witch-hazel, black haw viburnum, spicebush, and others.

Some portions of the buffer were previously planted with a light density of trees/shrubs but additional plantings are needed to supplement the planting to increase the overall number of stems per acre.

TOTAL BUFFER (ALL ZONES)

Total number of <u>trees and shrubs</u> to be planted:	275
Total number of <u>trees</u> to be planted:	75
Total number of <u>shrubs</u> to be planted:	200
Avg spacing of trees/shrubs (ft):	Trees: 15 Shrubs: 4x4
Stems per acre:	110 overall. When combined with previous planting, stem density will be over 150.
Total number of live stakes to be planted:	300
Physical protection of trees/shrubs:	2ft shelters
Chemical protection of trees/shrubs:	Spot spray herbicide around trees/shrubs

Recommended Species Selection*

*Substitutions Permissible With Prior Approval of Project Manager and Chesapeake Conservancy

ZONE 1

Zone 1: From stream edge to 15 feet; only Pennsylvania native riparian forested trees and shrubs are permissible; no harvesting zone. A planting density of 150 stems per acre is recommended. Tree selection must include a minimum of 3 genera that are evenly distributed to avoid monoculture and to provide diverse habitat.

Zone 1 Total Acres:	0.3
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Upland Forest Field ZONE 1 TREES

Common Name	Scientific Name	Quantity
Basswood	<i>Tilia americana</i>	5
Butternut	<i>Juglans cineria</i>	5
Swamp White Oak	<i>Quercus bicolor</i>	5
	TOTAL # OF ZONE 1 TREES:	15

Wetland Field ZONE 1 SHRUBS

Common Name	Scientific Name	Quantity
Black Chokeberry	<i>Photinia melanocarpa (Aronia melanocarpa)</i>	5
Blackhaw Viburnum	<i>Viburnum prunifolium</i>	5
Buttonbush	<i>Cephalanthus occidentalis</i>	10
Speckled Alder	<i>Alnus incana (Alnus rugosa)</i>	15
Spicebush	<i>Lindera benzoin</i>	5
Spirea	<i>Spirea alba or Spirea latifolia</i>	5
Silky Willow--LIVESTAKES	<i>Salix sericea</i>	100
Silky Dogwood--LIVESTAKES	<i>Cornus amomum</i>	200
	TOTAL # OF ZONE 1 SHRUBS:	45**

****does not count live stakes**

Summary of Zone 1 Trees and Shrubs	
Total number of stems:	60
Width of zone 1 (ft):	15
Stem spacing in zone 1 (ft):	Trees: 15 avg Shrubs: 4x4

ZONES 2 and 3

Zones 2 and 3: From edge of Zone 1 to the outer edge of the buffer (180ft avg); fruit and nut trees and shrubs are permissible, otherwise plant Pennsylvania native trees and shrubs or a combination; non- mechanical harvest is allowed; may include non-native fruit, nut, or woody florals, but they cannot be species listed in "Invasive Plants in Pennsylvania".

Zones 2 and 3 Total Acres:	2.2
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Upland Field ZONES 2 and 3 TREES

Common Name	Scientific Name	Quantity
Basswood	<i>Tilia americana</i>	5
Hackberry	<i>Celtis occidentalis</i>	10
Hornbeam	<i>Ostrya virginiana</i>	5
Pin Oak	<i>Quercus palustris</i>	10
Red Oak	<i>Quercus rubra</i>	5
Shagbark Hickory	<i>Carya ovata</i>	5
Sugar Maple	<i>Acer saccharum</i>	15
Tulip Poplar	<i>Liriodendron tulipifera</i>	10
	TOTAL # OF ZONES 2 and 3 TREES:	60

Upland Field ZONES 2 and 3 SHRUBS

Common Name	Scientific Name	Quantity
Witchhazel	<i>Hamamelis virginiana</i>	5
	TOTAL # OF ZONES 2 and 3 SHRUBS:	5

Wetland Field ZONES 2 and 3 TREES

Common Name	Scientific Name	Quantity
Alternate-leaf Dogwood	<i>Cornus alternifolia</i>	5
American Crabapple	<i>Malus coronaria (Pyrus coronaria)</i>	5
Redbud	<i>Cercis canadensis</i>	15
Washington Hawthorn	<i>Crataegus phaenopyrum</i>	10
	TOTAL # OF ZONES 2 and 3 TREES:	35

Wetland Field ZONES 2 and 3 SHRUBS

Common Name	Scientific Name	Quantity
Black Chokeberry	<i>Photinia melanocarpa (Aronia melanocarpa)</i>	15
Blackhaw Viburnum	<i>Viburnum prunifolium</i>	15
Buttonbush	<i>Cephalanthus occidentalis</i>	10
Speckled Alder	<i>Alnus incana (Alnus rugosa)</i>	35
Spicebush	<i>Lindera benzoin</i>	20
Spirea	<i>Spirea alba or Spirea latifolia</i>	5
Witchhazel	<i>Hamamelis virginiana</i>	10
	TOTAL # OF ZONES 2 and 3 SHRUBS:	110

Summary of Zones 2 and 3 Trees and Shrubs	
Total number of stems:	210
Width of zones 2 and 3 (ft):	165 avg
Stem spacing in zones 2 and 3 (ft):	Trees: 15 avg Shrubs: 4x4

COMPLETE SPECIES LIST FOR ALL ZONES

TREES

Common Name	Scientific Name	Quantity
Alternate-leaf Dogwood	<i>Cornus alternifolia</i>	5
American Crabapple	<i>Malus coronaria (Pyrus coronaria)</i>	5
Basswood	<i>Tilia americana</i>	10
Butternut	<i>Juglans cineria</i>	5
Hackberry	<i>Celtis occidentalis</i>	10
Hornbeam	<i>Ostrya virginiana</i>	5
Pin Oak	<i>Quercus palustris</i>	10
Redbud	<i>Cercis canadensis</i>	15
Red Oak	<i>Quercus rubra</i>	5
Shagbark Hickory	<i>Carya ovata</i>	5
Sugar Maple	<i>Acer saccharum</i>	15
Tulip Poplar	<i>Liriodendron tulipifera</i>	10
Swamp White Oak	<i>Quercus bicolor</i>	5
Washington Hawthorn	<i>Crataegus phaenopyrum</i>	10
	TOTAL # OF TREES:	115

SHRUBS

Common Name	Scientific Name	Quantity
Black Chokeberry	<i>Photinia melanocarpa (Aronia melanocarpa)</i>	20
Blackhaw Viburnum	<i>Viburnum prunifolium</i>	20
Buttonbush	<i>Cephalanthus occidentalis</i>	20
Speckled Alder	<i>Alnus incana (Alnus rugosa)</i>	50
Spicebush	<i>Lindera benzoin</i>	25
Spirea	<i>Spirea alba or Spirea latifolia</i>	10
Witchhazel	<i>Hamamelis virginiana</i>	15
Silky Willow--LIVESTAKES	<i>Salix sericea</i>	100
Silky Dogwood--LIVESTAKES	<i>Cornus amomum</i>	200
	TOTAL # OF SHRUBS**:	160

****Does not include live stakes**

Management

(mow, spray, tree protection, replanting, etc. as applicable)

Activity and Methods	Timeline and Frequency	Who Will Perform the Work
Inspect planting and conduct routine management as needed. Fix shelters and stakes. Remove shelters and stakes when appropriate.	Start in Spring (March-May) 2025 (or earlier) and then twice per year until end of 2028*	Contractor until end of 2025. Contractor or landowner after 2025 pending funding.
Assess mortality and secure replants as needed to 100% of original planting. Figure on replanting approximately 10% each year but could be higher.	Spring-Summer 2025, Fall (Sept-Nov) 2025, September 2026*	Contractor until end of 2025. Contractor or landowner after 2025 pending funding.
Install replants as needed to 100% of original planting. Figure on replanting approximately 10% each year but could be higher.	Fall (Sept.-Nov) 2025, October 2026*	Contractor until end of 2025. Contractor or landowner after 2025 pending funding.
Apply 6'x6' spots of herbicide around plants.	Start in (April-June) 2025 and then once in 2026*	Contractor until end of 2025. Contractor after 2025 pending funding.
Invasive/noxious weed control.	Start in May-June 2025 and then once in 2026*	Contractor until end of 2025. Contractor after 2025 pending funding.

Describe any details of management as needed for clarification:

Shelters may be removed early to encourage vigorous growth based on assessment of growth rate and size. Replacement of mortality at the estimated annual rate of 10 percent will be carried out over the first 3 years.

*Chesapeake Conservancy will apply for funding to complete the 2026 and beyond management activities.

Monitoring

Activity and Methods	Timeline and Frequency	Who Will Perform the Work
The DCNR Service Forester will be conducting a post-planting review of the project site to ensure this planting plan has been implemented. Deviations from the planting plan, if any, should be explained in writing to be attached as an addendum to this plan.	After completion of planting.	DCNR Service Forester
Monitor the buffer for the presence of harmful insects (primarily Eastern tent caterpillar, spongy moth, and Japanese beetle).	Seasonally; ongoing	Contractor will monitor anytime they are on site for other management activities until the end of 2025. After 2025, landowner or contractor (pending funding) will monitor the buffer and contact the project manager or DCNR Service Forester for recommendations.
<u>Describe any details of monitoring as needed for clarification:</u> No additional details.		

Multi-Functional Aspects

DCNR defines a multi-functional buffer as: A riparian forest buffer that provides opportunities for harvesting products such as nuts, berries, woody florals, forbs, and potentially woody biomass. Multifunctional buffers can also include benefits to pollinators and wildlife and can also provide other benefits such as fall and spring color.

Species to be planted to create a multi-functional buffer:	American Crabapple, Butternut, Sugar Maple, Black Chokeberry
Describe how the buffer will be multi-functional:	Crabapple and chokeberry fruit can potentially be harvested by landowner. Butternuts can potentially be harvested by landowner when trees reach maturity. Maples can potentially be tapped for syrup by landowners upon maturity.

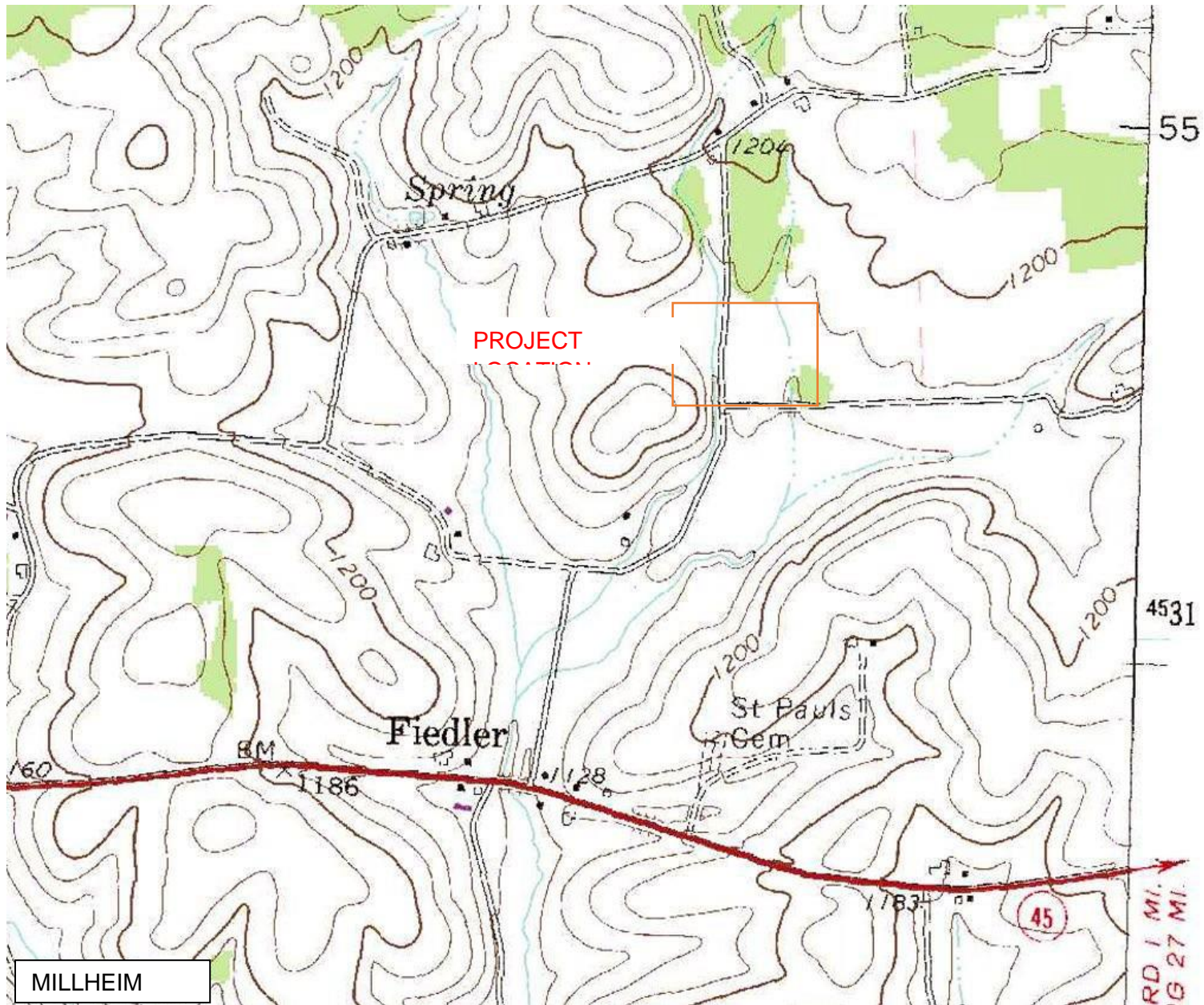
Orvil D. and Mary T. Hosterman Riparian Buffer Plan Map



Fiedler Run (Unnamed Trib to Pine Creek); Haines Township, Centre County Total project area = 2.5 acres.
Zone 1 is from edge of stream to 15' width. Zone 1= 0.3 acres

Zones 2/3 is from edge of Zone 1 to edge of buffer.
Zones 2/3= 2.2 acres
PA One Call: 1-800-242-1776 or 811
Project Serial #: 20232263858 (Design Serial #)
1 inch= approx. 130 ft





Orvil D. and Mary T. Hosterman 7/27/2023

PA One Call: 1800-242-1776 or 811
Project Serial #: 20232263858 (Design Serial #)

Attachment B – Final Report
Page 2 of 2

Section III – Attachments

Attach the following to this report:

1. A minimum of 5 “before” and “after” photographs (jpeg or PDF format) of the site and work completed. Include brief description of each photograph. Photographs should be emailed to Chesapeake Conservancy.
 2. Final as-built maps of the work completed. *If the project boundary changes.*
 3. Electronic shapefiles of the final project boundary. Contractor will contact Chesapeake Conservancy if unable to provide shapefiles.
-

Complete Final Report and send to:

Chesapeake Conservancy
Frank Rohrer
frohrer@chesapeakeconservancy.org
570-372-4065

Attachment C - Maintenance/Assessment and Spray Report

Project Name: _____

Landowner Name and Site Address: _____

Date of Work: _____

Contractor/Inspector Name: _____

Number of trees originally planted (if known): _____

Number of live trees counted: _____ Number of dead trees counted: _____

Is natural regeneration present (if easily identified): Yes No

Noxious/Invasive Plant Species Present and Animal Pressure

Check all that apply. Specify density and percent coverage:

	Light	Moderate	Heavy	% Coverage
<input type="checkbox"/> Autumn Olive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Buckthorn	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Callery Pear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Giant Hogweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Japanese Barberry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Japanese Knotweed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Japanese Stiltgrass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Mile-a-Minute	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Multi-flora Rose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Oriental Bittersweet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Poison Hemlock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Privet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Purple Loosestrife	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Reed canary grass	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Shrub Honeysuckle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Tree of Heaven	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/> Deer Browsing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Signs of livestock in the buffer				

Overall buffer condition: 1 2 3 4 5
rate on a scale from 1 to 5 (1-nonexistent/complete failure, 5-fully functional)

Photos: Take 5 photos which best depict the overall conditions of the site

Maintenance Requirements Check all boxes that apply

N/A – Does not apply to the site

Good Condition/No Maintenance Required – Applies to the site but no maintenance is needed at this time

Maintenance Completed This Visit* – Maintenance for this task was performed during today’s site visit - Specify approx. number of acres treated

Future Maintenance Is Needed* – Maintenance for this task is needed in the future (within the next 6 months) - Specify approx. how many hours is needed

**if maintenance was performed this visit but wasn’t completed and future maintenance is needed for the buffer to function successfully, check both boxes and indicate the number of acres treated (this visit) and how many hours are needed to complete the activity (future visit)*

	N/A	Good Condition/No Maintenance Required	Maintenance Performed This Visit	Approx. Treated Acres	Future Maintenance Is Needed	Approx. How Much (# of hours)
<i>Shelter Maintenance Activities</i>						
Secure shelters and stakes (Flush or 1” below ground)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Replace tubes and stakes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Secure/remove bird netting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Remove anything inside shelter that isn’t the planted material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Remove shelters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
<i>Manual Maintenance Activities</i>						
Mowing/weed whacking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Brush Hog/forest mulching	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
<i>Pesticide/Herbicide Maintenance Activities</i>						
Apply deer repellent	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Spot spray around live planted trees**	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____
Invasive control/herbicide**	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	<input type="checkbox"/>	_____

****Contractor must complete attached Spray Report when applying herbicide**

Does contractor recommend replanting (goal 150 trees per acre)? Yes No Acres for replanting:_____ Number of Trees for replanting:_____

Additional Notes: _____

Spray Report*

Applicator Name: _____ BU Number: _____

Applicator License Number: _____ Expiration Date: _____

Applicator Company Name: _____

Applicator Company Address: _____

Application Date and Time:	
Site Address, Landowner Name & Contact Number	
Site Location	

Chemical	Manufacturer	EPA Reg. #	Mix Rate	Amount Solution Applied

Equipment Method	Species Treated

Temperature / Cloud Cover	Wind Speed	Wind Direction

Signature of Applicator: _____ Date: _____

Notes: _____

*Attach map and show portion of buffer treated



Attachment D - WORKER PROTECTION AND INVESTMENT CERTIFICATION FORM

- A. Pursuant to Executive Order 2021-06, *Worker Protection and Investment* (October 21, 2021), the Commonwealth is responsible for ensuring that every worker in Pennsylvania has a safe and healthy work environment and the protections afforded them through labor laws. To that end, contractors and grantees of the Commonwealth must certify that they are in compliance with Pennsylvania’s Unemployment Compensation Law, Workers’ Compensation Law, and all applicable Pennsylvania state labor and workforce safety laws including, but not limited to:
1. Construction Workplace Misclassification Act
 2. Employment of Minors Child Labor Act
 3. Minimum Wage Act
 4. Prevailing Wage Act
 5. Equal Pay Law
 6. Employer to Pay Employment Medical Examination Fee Act
 7. Seasonal Farm Labor Act
 8. Wage Payment and Collection Law
 9. Industrial Homework Law
 10. Construction Industry Employee Verification Act
 11. Act 102: Prohibition on Excessive Overtime in Healthcare
 12. Apprenticeship and Training Act
 13. Inspection of Employment Records Law
- B. Pennsylvania law establishes penalties for providing false certifications, including contract termination; and three-year ineligibility to bid on contracts under 62 Pa. C.S. § 531 (Debarment or suspension).

CERTIFICATION

I, the official named below, certify I am duly authorized to execute this certification on behalf of the contractor/grantee identified below, and certify that the contractor/grantee identified below is compliant with applicable Pennsylvania state labor and workplace safety laws, including, but not limited to, those listed in Paragraph A, above. I understand that I must report any change in the contractor/grantee’s compliance status to the Purchasing Agency immediately. I further confirm and understand that this Certification is subject to the provisions and penalties of 18 Pa. C.S. § 4904 (Unsworn falsification to authorities).

<i>Signature</i>	<i>Date</i>
<i>Name (Printed)</i>	
<i>Title of Certifying Official (Printed)</i>	
<i>Contractor/Grantee Name (Printed)</i>	