



**PROPOSAL AND CONTRACT
(WHEN EXECUTED)**

INSTRUCTIONS ON PAGE 4

**THIS PROPOSAL INCLUDES
INSTRUCTIONS TO BIDDERS**

A. DEPOSIT OF PROPOSALS.

**All envelopes containing Bid proposals shall
be clearly marked "Bid Proposal for letting of
August 13, 2025
DATE**

Borough of Millersburg
MUNICIPALITY (NAME & TYPE)

James Whittall
SECRETARY

**Sealed Proposals will be received on or before
3:00 PM on the above Letting Date.
TIME**

101 West Street
Millersburg, PA 17061
ADDRESS

**Bids will be opened and read at approximately
6:00 PM on the above Letting Date.
TIME**

PROPOSALS MUST BE MAILED OR OTHERWISE
DELIVERED TO THE ABOVE ADDRESS.

- 1 The contractor proposes to furnish and deliver all materials (including Form CS-4171, CERTIFICATE OF COMPLIANCE and/ or TR-465 DAILY BITUMINOUS MIXTURE CERTIFICATION) and to do and perform all work on the following project as more specifically set forth in the Schedule of Prices (Attachment), in accordance with drawings and specifications on file at Borough of Millersburg as well as the supplements and special requirements contained herein and/ or attached hereto and current PennDOT Specifications (Publication 408), except (a) bidders need not be prequalified by PennDOT (Sec.102.01), and (b) Volumetric testing of bituminous paving materials is not required (Sec. 409).
- 2 If designated as the successful bidder, the contractor will begin work on the date specified in the notice to proceed, or as otherwise provided in the special requirements, and will complete all work within **see attachment 1-A** calendar days.
- 3 Accompanying this proposal is a certified check or bid bond in the amount of N/A made payable to the municipality as a proposal guarantee which, it is understood, will be forfeited in case the contractor fails to comply with the requirements of the proposal.

B. PROPOSAL OF:

NAME / ADDRESS OF CONTRACTOR

CONTRACTORS CERTIFICATION

It is hereby certified as follows:

- 1 The only person interested in the proposal as principal (s) is (are):

- 2 None of the above persons are employees of the municipality.
- 3 This proposal is made without collusion with any other person, firm or corporation.
- 4 All plans and specifications referred to above and the site of the work have been examined by the contractor. The contractor understands that the quantities indicated herein are approximate and are subject to change as may be required; and that all work is payable on the basis of the unit price listed on the Schedule of Prices. (Attachment 1).

- 5 The contractor will comply with all requirements of the laws and implementing regulations of the Commonwealth of Pennsylvania and the United States relating to human relations, equal opportunity and non-discrimination in employment, and will pay to workmen employed in the performance of the contract the wages to which they may be entitled.
- 6 The contractor will provide the municipality with a performance bond, conditioned upon the faithful performance of the contract in accordance with the plans, specifications and conditions thereof, and a payment bond, conditioned on the prompt payment of all material furnished and labor supplied or performed in the prosecution of the work, in accordance with the Public Works Contractors' Bond Law of 1967; and an affidavit accepting the provisions of the Workmen's Compensation Act of 1915, as amended.

CONTRACTOR

BY: _____ DATE: _____
TITLE: _____

WITNESSED OR ATTESTED BY: _____ DATE: _____
TITLE: _____

TO BE EXECUTED ONLY IN THE EVENT THE ABOVE PROPOSAL IS ACCEPTED

ACCEPTED ON : _____
DATE

Borough of Millersburg
MUNICIPALITY

BY: _____
TITLE: _____

BY: _____
TITLE: _____

BY: _____
TITLE: _____



ATTESTED BY: _____
TITLE: _____



ATTACHMENT 1

TO MS - 944 (PROPOSAL AND CONTRACT MS - 944)

County: Dauphin County

Municipality: Borough of Millersburg

Project Number: 2025-03

LOCATION OF WORK:

MYO Park, Millersburg, PA 17061

DESCRIPTION OF WORK:

Repaving of MYO Park Road and the parking lot located inside MYO Park. Includes grading of a defined roadside drainage channel.

ESCALATOR CLAUSE:(if adopted by Municipality.)

THIS PORTION TO BE COMPLETED
BY THE MUNICIPALITY

SCHEDULE OF PRICES

1 Item No.	2 Approximate Quantities	3 Unit	4 *Description	5 Unit Price	6 Total
1			Paving		
1.A	22,098	SF	Pavement Excavation		
1.B	2,456	Ton	2" Superpave 9.5mm PG64-22 <0.3M ESALS		
1.C	4,911	Ton	4" Superpave 25, PG 64-22		
1.D	430	LF	Line Striping		
2			Earthwork		
2.A	1	LS	Excavation		
2.B	248	CY	Cut Export		
2.C	14000	SF	Seeding		

* DESCRIPTION:

Must include ADT on wearing surfaces
USE OF CUTBACK ASPHALT IS PROHIBITED
BETWEEN MAY 1st AND OCTOBER 31st, EXCEPT
AS NOTED IN BULLETIN NO. 25.
FOR OPTION OR PHASE BIDS THE TOTALS FOR
EACH MUST BE INCLUDED.

TOTAL

SUBTOTAL FROM OTHER ATTACHMENTS	
BID TOTAL FOR A NON OPTION / PHASE BID	
OPTION 1 OR PHASE 1 BID TOTAL	
OPTION 2 OR PHASE 2 BID TOTAL	
OPTION 3 OR PHASE 3 BID TOTAL	

**SPECIAL PROVISIONS TO CONTRACT MS-944 (Attachment 1-A)
CONTAINS IMPORTANT INFORMATION FOR THE CONTRACTOR**

**The Prime Contractor and subcontractors must comply with all of the following provisions
that are marked with an "X".**

- X Traffic Control and Safety Devices to be provided by the Contractor.
(Maintenance and Protection of Traffic to comply with current MUTCD, Publication 212 and Publication 213.)
- X Delivery tickets for all materials.
- X CS-4171 Certificate of Compliance and/ or TR-465 Daily Bituminous Mixture Certification required for all materials.
- X Notify the Municipality four working days prior to start of project.
- X Work to be completed on or before 12/31/2025 . After 1/1/2026 Liquidated damages apply at the rate of \$ 500.00 per calendar day.
- X Roadway to be power broomed by (contractor ☒ municipality ☐) prior to start of project.
- X Excess material to be removed by (contractor ☒ municipality ☐) .
- X Municipality to inspect project.
- X Need Bill of Lading for each shipment of bituminous material per Section 702.1(c) of Specifications 408.
Tack Coat required per Section 460, or 409 for superpave, of Specifications 408 and is incidental to paving item unless noted otherwise.
Prime Coat required per Section 461 of Specifications 408.
Bituminous Seal on all abutting pavement and curbs required.
- X Saw cut or Milled Paving Notch required and incidental to paving item unless noted otherwise.
Scratch/ Leveling Courses to be placed at the discretion of appointed inspector(s).
Full width pavement with one pass required. .
- X Municipality reserves the right to limit work completed.
Taper pavement the last 3 feet to curb.
For FOB Source bids, hauling distance will determine selection of bid award.
Municipality reserves the right to procure material which best suits their requirements after all bids and items are reviewed.
- X Incidental Preparation and clean up required. (Project Construction Materials)
The municipality reserves the right to make an award on the basis of the aggregate total for all like items on which quotations are received.
- X Provide design, which meets Specifications Form 408 to the municipality 5 days prior to start of work.
- X Contractor responsible for defects that occur within one year of applications.
Contractor required to review proposed project with Municipality's Representative prior to bidding.
- X Oil Samples required from each distributor truck by contractor (1) one quart : A.M. & P.M. and witnessed by municipality and retained by municipality. (Oil samples must be placed in an approved type container that is compatible with oil sample.)
At least three random stone samples to be taken by contractor on project site witnessed by municipality and retained by municipality.
Complete all testing in accordance with Specification Form 408 Section 409 except for superpave volumetric testing.
Notice to Proceed will be the date of Contract acceptance.
- X Final Completion Certificate & Notice of Completion required.
- X Future award of Contract will be based on quality of work as determined by the municipality.
Contractor, notify all residents of pending work to be performed.

My signature signifies that I have read and understand the above special provisions to this contract, and by being authorized by this company to act as their authorized representative, and on their behalf hereby agree to adhere to any and all of the provisions pertaining to this contract.

Contractor's Representative	Date
Company	

Municipality's Representative	Date
Borough of Millersburg	
Municipality	



pennsylvania
DEPARTMENT OF TRANSPORTATION

PERFORMANCE BOND (With Corporate Surety)

KNOW ALL MEN BY THESE PRESENTS, That we,

(NAME AND ADDRESS OF CONTRACTOR)

as Principal and _____
(SURETY COMPANY)

a corporation incorporated under the laws of the State of _____ as Surety
(NAME OF STATE)

are held and firmly bound unto _____ in the full and just sum of
(NAME OF MUNICIPALITY)

(\$ _____) dollars

lawful money to the United States of America, to be paid to the above Municipality or its assigns, to which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above bounden Principal has entered into a contract with the above Municipality, bearing even date herewith, for the undertaking of certain obligations as therein set forth.

NOW, THEREFORE, the condition of this obligation is such that if the above bounden Principal, as Contractor, shall in all respects comply with and faithfully perform the terms and conditions of said Contract, including the Specifications and conditions referred to and made a part thereof, and such alterations as may be made in said Specifications as therein provided, and shall well and truly, and in a manner satisfactory to the municipality fulfill all obligations as therein set forth, then this Obligation shall be void, but otherwise the same shall be and remain in full force, virtue and effect.

It is further provided that any alteration which may be made in the terms of the contractor or its specifications with the express approval of the Municipality or the Principal to the other, shall not in any way release the Principal and the Surety or either or any of them, their heirs, executors, administrators, successors or assigns from their liability hereunder, notice to the surety of any such alteration or forbearance being hereby waived.

IN WITNESS WHEREOF, the said Principal and Surety have duly executed this Bond under Seal, pursuant to due and legal action authorizing the same to be done on _____.

(DATE OF BOND)

**PLACE
SEAL
HERE**

Attest / Witness:

CONTRACTOR

BY

TITLE:

TITLE:

**PLACE
SEAL
HERE**

Attest / Witness:

SURETY COMPANY

TITLE:

TITLE:



pennsylvania
DEPARTMENT OF TRANSPORTATION

KNOW ALL MEN BY THESE PRESENTS, that we

as PRINCIPAL and _____
a corporation incorporated under the laws of the State of _____ as SURETY, are
held and firmly bond unto the _____, in the full and just sum of
_____ (\$ _____) dollars, lawful money of the
United States of America, to be paid to the said _____ or its assigns, to which
payment well and truly to be made, we bind ourselves, our heirs, executors, administrators,
successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above bounden Principal has entered into a contract with the above
municipality hereinafter called Obligee, bearing even date herewith, for the improvement of a
certain section of highway or bridge in said Municipality consisting of:

_____ for approximately the sum of: _____ (\$ _____) dollars.

NOW, THEREFORE, the condition of this obligation is such that if the above bounden
PRINCIPAL shall and will promptly pay or cause to be paid in full all sums of money which may be
due by contract or otherwise, to any individual, firm, partnership, association or corporation, for all
material furnished or labor supplied or performed in the prosecution of the work, whether or not the
said for material or labor entered into and became component parts of the work and for rental of the
equipment used and services rendered by public utilities in, or in connection with the prosecution of
such work, then this obligation to be void, otherwise to remain in full force and effect.

The **PRINCIPAL** and **SURETY**, hereby, jointly and severally, agree with the Obligee herein
that any individual firm, partnership, association or corporation, which has performed labor or
furnished material in the prosecution of the work as provided, and any public utility which has not
been paid in full therefor, may sue in assumpsit on this Payment Bond in his, their, or its own name
and may prosecute the same to final for such sum or sums as may be justly due him, them or it, and
have execution thereon. Provided, however, that the Obligee shall not be liable for the payment of
any costs of expenses of such suit.

RECOVERY by any individual, firm, partnership, association or corporation hereunder shall
be subject to the provisions of the "Public Works Contractors' Bond Law of 1967", Act No. 385,
approved December 20, 1967, P.L. 869, which Act shall be incorporated herein and made a part
hereof, as fully and completely as though its provisions were fully and at length herein recited.

It is further provided that any alterations which may be made in the terms of the contract or
in the work to be done or materials to be furnished or labor to be supplied or performed under it or
the giving by the Obligee of any extension of time for the performance of the contract or any other
forebearance on the part of either the Obligee or the Principal to the other, shall not in any way
release the PRINCIPAL and the SURETY or SURETIES of any such alteration, extension of
forebearance being hereby waived.

IN WITNESS WHEREOF, the said PRINCIPAL and SURETY have duly executed this Bond
under seal this _____ day of _____, 20 ____.

PLACE
SEAL
HERE

WITNESS:

CONTRACTOR

TITLE:

BY: _____

TITLE:

PLACE
SEAL
HERE

WITNESS:

SURETY COMPANY

TITLE:

TITLE:



AFFIDAVIT RE

ACCEPTING PROVISIONS OF THE WORKMEN'S COMPENSATION ACT

State of

)

)

) ss:

)

County of

)

being duly sworn according to law deposes and says that they have
he has
it has

accepted the provisions of the Workmen's Compensation Act of 1915 of the Commonwealth of Pennsylvania, with

has his
its supplements and amendments, and have insured their liability thereunder in accordance with the terms of said
its

Act with

(SURETY COMPANY)

(TYPE OR PRINT)

CONTRACTOR

BY

SIGNATURE

Sworn to and subscribed before me this ____ day of _____ A.D. 20 ____.

SIGNATURE

My Commission Expires

(DATE)

ANTI-COLLUSION AFFIDAVIT



County Dauphin County

Municipality Borough of Millersburg

Project Number 2025-03

State of _____

Fed. Project No. _____
(If Applicable)

County of _____

The undersigned deponent deposes and says that he is the _____
of the _____ Company; that he is authorized to make this
affidavit on behalf of said company in compliance with section 102.06 (e) of Department Specifications,
Publication 408, as amended and that the said company has not, either directly or indirectly, entered
into any agreement, participated in any collusion, or otherwise taken any action in restraint of free
competitive bidding in connection with such contract.

(Contractor)

BY

Sworn to and subscribed before me the undersigned notary public this

_____ day of _____, _____.

Notary Public

My Commission expires _____

Borough of Millersburg**MUNICIPALITY****NOTICE OF COMPLETION****IN REFERENCE TO PROJECT #** 2025-03**Name of Contractor** _____

Performance of work as specified on the above numbered contract is completed and final pavement inspection has been made by the contractor and municipality in accordance with the terms of the contract awarded.

DATE OF AWARD __________
Signature of Municipality_____
Signature of Contractor

Both copies of this form to be filled by the Contractor-Municipality on completion of final pavement restoration.

THIS PORTION TO BE COMPLETED BY MUNICIPALITY**FINAL COMPLETION CERTIFICATE**

By the affixing of my signature I hereby certify that final inspection has been made and all work has been performed in accordance with the above contract # and is hereby accepted by the municipality as completed.

Authorized Agent for the Municipality***DATE** _____

*** The contractor is responsible for maintenance of permanent pavement repairs for a period of one year from this date.**





CERTIFICATE OF COMPLIANCE

1. ♦COUNTY: _____ ♦LR/SR: _____ ♦SEC/SEG: _____ ♦ECMS#: _____
 (♦ - To be completed by the party that will ship the material to the project, otherwise leave blank.)

2. I / WE hereby certify that the material listed on line 5 was:

☐ Manufactured ☐ Fabricated ☐ Coated ☐ Precasted ☐ Produced

By _____
 (Name of Manufacturer, Fabricator, Coater, Precaster or Producer) (Supplier Code)

3. and the party listed above certifies that the material(s) on line 5 meets the requirements of

Publication 408, Section(s) _____

AASHTO, ASTM, Federal or other designation _____

4. The material listed below is being shipped to: _____
 (Company Name)

5. **LOT NO. QUANTITY APPROVED MATERIAL AS LISTED IN BULLETIN # 14 or 15
 BULLETIN # 41 or 42 PRODUCERS, LIST HMA / PCC JMF.**

6. ☐ **CHECK HERE IF YOUR PRODUCT CONTAINS IRON OR STEEL** I / WE certify that we received a copy of the Mill Certification Form(s) from the manufacturer(s) of any steel or iron materials contained in our product and all manufacturing processes including coatings application (e.g., epoxy, galvanizing, or painting) have occurred in the United States and we are maintaining copy(s), in our files in accordance with Section 106.03(b)3. Note: While coating materials themselves are not covered by Buy America, the application of these materials on steel or iron must occur in the United States.

7. **VENDOR CLASSIFICATION (CHECK ONE BLOCK ONLY) -**

☐ #1 **Manufacturer, Fabricator, Coater, Precaster Listed in Bulletin # 15, or Producer Listed in Bulletin # 14, 41 or 42**

I certify that the above statements are true and to the best of my knowledge, fairly and accurately describe the product(s) listed.

☐ #2 **Distributor, Supplier or *Private Label Company Not Listed in Bulletin # 15. Also, complete line 9**

I certify that the material being supplied is one and the same as provided to us by the manufacturer listed on this document and quantities listed above are accurate.

8. **NAME (print) :** _____ **TITLE:** _____

COMPANY NAME : _____

SIGNATURE : _____ **DATE:** _____
 By Responsible Company Official (QC Staff only if you checked block #1 on line 7)

9. List company that sold you the material(s) documented above: _____
 (Complete if you checked Block # 2 on line # 7, otherwise leave blank.) (Company Name)

After completing the Certificate of Compliance form CS-4171, maintain the original at your company's location. A copy of the Certificate of Compliance form must accompany your material shipment to its next destination. Also, if you receive material shipments from other companies related to PennDOT projects, the accompanying Certificate of Compliance forms must be kept on file at your location. These files must be available for inspection and verification by a Department Representative for a period of not less than THREE years from the date of the last shipment.

***Private Label Companies** must **identify** the true **manufacturer** (Line 2) and the **approved material** (Line 5) as **listed in Bulletin # 15**.

Appendix A
PA Prevailing Wage Rates

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project Name:	MYO Park Road Paving/Drainage
General Description:	This project is for the paving of MYO Park Road in Millersburg, PA, and includes the grading of a roadside drainage way.
Project Locality	Millersburg Borough
Awarding Agency:	Millersburg Borough
Contract Award Date:	8/27/2025
Serial Number:	25-06657
Project Classification:	Highway
Determination Date:	7/1/2025
Assigned Field Office:	Harrisburg
Field Office Phone Number:	(717)787-4763
Toll Free Phone Number:	(800)932-0665
Project County:	Dauphin County

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project: 25-06657 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	7/1/2024		\$40.00	\$29.86	\$69.86
Asbestos & Insulation Workers	6/30/2025		\$41.50	\$29.86	\$71.36
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2024		\$36.71	\$19.13	\$55.84
Boilermakers	1/1/2023		\$51.27	\$35.30	\$86.57
Boilermakers	1/1/2024		\$52.10	\$35.72	\$87.82
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	4/28/2024		\$38.62	\$19.68	\$58.30
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/4/2025		\$40.47	\$19.68	\$60.15
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/3/2026		\$42.32	\$19.68	\$62.00
Carpenters - Piledriver/Welder	1/1/2024		\$42.13	\$21.97	\$64.10
Carpenters - Piledriver/Welder	1/1/2025		\$43.38	\$22.72	\$66.10
Carpenters - Piledriver/Welder	1/1/2026		\$44.63	\$23.47	\$68.10
Carpenters, Drywall Hangers, Framers, Instrument Men, Lathers, Soft Floor Layers	6/1/2024		\$36.56	\$17.72	\$54.28
Cement Finishers & Plasterers	4/28/2024		\$30.23	\$22.27	\$52.50
Cement Finishers & Plasterers	5/4/2025		\$32.23	\$22.27	\$54.50
Cement Finishers & Plasterers	5/3/2026		\$34.23	\$22.27	\$56.50
Cement Finishers & Plasterers	5/3/2027		\$33.49	\$25.01	\$58.50
Cement Masons	5/1/2024		\$33.80	\$22.80	\$56.60
Cement Masons	5/1/2025		\$34.65	\$22.95	\$57.60
Drywall Finisher	5/1/2024		\$30.33	\$22.79	\$53.12
Drywall Finisher	5/1/2025		\$31.83	\$23.26	\$55.09
Electricians	6/1/2024		\$38.75	\$27.03	\$65.78
Electricians	6/1/2025		\$40.00	\$27.78	\$67.78
Electricians	6/1/2026		\$40.00	\$29.78	\$69.78
Elevator Constructor	1/1/2024		\$60.76	\$39.19	\$99.95
Elevator Constructor	1/1/2025		\$63.40	\$40.03	\$103.43
Glazier	5/1/2023		\$31.23	\$20.66	\$51.89
Glazier	5/1/2024		\$32.46	\$20.93	\$53.39
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2024		\$37.26	\$32.63	\$69.89
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2025		\$38.76	\$33.38	\$72.14
Laborers (Class 01 - See notes)	5/1/2023		\$23.11	\$18.03	\$41.14
Laborers (Class 02 - See notes)	5/1/2023		\$25.11	\$18.03	\$43.14
Laborers (Class 03 - See notes)	4/30/2023		\$27.01	\$18.22	\$45.23
Laborers (Class 04 - See notes)	4/30/2023		\$28.51	\$18.22	\$46.73
Laborers (Class 05 - See notes)	4/30/2023		\$29.01	\$18.22	\$47.23
Laborers (Class 06 - See notes)	5/1/2023		\$25.11	\$18.03	\$43.14
Marble Mason	5/1/2024		\$35.25	\$19.24	\$54.49
Marble Mason	5/1/2025		\$37.20	\$19.24	\$56.44
Marble Mason	5/1/2026		\$39.15	\$19.24	\$58.39
Millwright	6/1/2024		\$41.07	\$22.95	\$64.02
Millwright	6/1/2025		\$43.00	\$22.95	\$65.95

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project: 25-06657 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Millwright	6/1/2026		\$44.97	\$22.95	\$67.92
Operators (Building, Class 01 - See Notes)	5/1/2024		\$43.73	\$30.08	\$73.81
Operators (Building, Class 01 - See Notes)	5/1/2025		\$44.89	\$30.92	\$75.81
Operators (Building, Class 01 - See Notes)	5/1/2026		\$46.05	\$31.76	\$77.81
Operators (Building, Class 01A - See Notes)	5/1/2024		\$45.98	\$30.74	\$76.72
Operators (Building, Class 01A - See Notes)	5/1/2025		\$47.14	\$31.58	\$78.72
Operators (Building, Class 01A - See Notes)	5/1/2026		\$48.30	\$32.42	\$80.72
Operators (Building, Class 02 - See Notes)	5/1/2024		\$43.45	\$29.99	\$73.44
Operators (Building, Class 02 - See Notes)	5/1/2025		\$44.61	\$30.83	\$75.44
Operators (Building, Class 02 - See Notes)	5/1/2026		\$45.77	\$31.67	\$77.44
Operators (Building, Class 02A - See Notes)	5/1/2024		\$45.70	\$30.66	\$76.36
Operators (Building, Class 02A - See Notes)	5/1/2025		\$46.86	\$31.50	\$78.36
Operators (Building, Class 02A - See Notes)	5/1/2026		\$48.02	\$32.34	\$80.36
Operators (Building, Class 03 - See Notes)	5/1/2024		\$40.73	\$29.18	\$69.91
Operators (Building, Class 03 - See Notes)	5/1/2025		\$41.88	\$30.03	\$71.91
Operators (Building, Class 03 - See Notes)	5/1/2026		\$43.04	\$30.87	\$73.91
Operators (Building, Class 04 - See Notes)	5/1/2024		\$39.59	\$28.85	\$68.44
Operators (Building, Class 04 - See Notes)	5/1/2025		\$40.74	\$29.70	\$70.44
Operators (Building, Class 04 - See Notes)	5/1/2026		\$41.90	\$30.54	\$72.44
Operators (Building, Class 05 - See Notes)	5/1/2024		\$39.13	\$28.73	\$67.86
Operators (Building, Class 05 - See Notes)	5/1/2025		\$40.30	\$29.56	\$69.86
Operators (Building, Class 05 - See Notes)	5/1/2026		\$41.45	\$30.41	\$71.86
Operators (Building, Class 06 - See Notes)	5/1/2024		\$38.26	\$28.46	\$66.72
Operators (Building, Class 06 - See Notes)	5/1/2025		\$39.42	\$29.30	\$68.72
Operators (Building, Class 06 - See Notes)	5/1/2026		\$40.58	\$30.14	\$70.72
Operators (Building, Class 07A- See Notes)	5/1/2024		\$53.10	\$34.27	\$87.37
Operators (Building, Class 07A- See Notes)	5/1/2025		\$54.56	\$35.21	\$89.77
Operators (Building, Class 07A- See Notes)	5/1/2026		\$56.03	\$36.14	\$92.17
Operators (Building, Class 07B- See Notes)	5/1/2024		\$52.75	\$34.17	\$86.92
Operators (Building, Class 07B- See Notes)	5/1/2025		\$54.22	\$35.10	\$89.32
Operators (Building, Class 07B- See Notes)	5/1/2026		\$55.69	\$36.03	\$91.72
Painters Class 1 (see notes)	5/1/2024		\$27.59	\$18.08	\$45.67
Painters Class 1 (see notes)	5/1/2025		\$28.42	\$18.36	\$46.78
Painters - Line Stripping	12/1/2024		\$44.12	\$27.91	\$72.03
Painters Class 2 (see notes)	5/1/2020		\$27.43	\$15.99	\$43.42
Painters Class 3 (see notes)	5/1/2020		\$33.18	\$15.99	\$49.17
Pile Driver Divers (Building, Heavy, Highway)	1/1/2025		\$62.82	\$22.72	\$85.54
Pile Driver Divers (Building, Heavy, Highway)	1/1/2026		\$64.70	\$23.47	\$88.17
Piledrivers	1/1/2025		\$41.88	\$22.72	\$64.60
Piledrivers	1/1/2026		\$43.13	\$23.47	\$66.60
Plasterers	5/1/2024		\$32.93	\$21.08	\$54.01
Plasterers	5/1/2025		\$34.68	\$21.23	\$55.91
Plumber/Pipefitter	5/1/2023		\$41.36	\$29.72	\$71.08
Plumber/Pipefitter	5/1/2025		\$45.30	\$29.91	\$75.21

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project: 25-06657 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Roofers (Composition)	5/1/2024		\$44.13	\$34.77	\$78.90
Roofers (Composition)	5/1/2025		\$46.03	\$34.77	\$80.80
Roofers (Shingle)	5/1/2023		\$32.85	\$22.10	\$54.95
Roofers (Shingle)	5/1/2024		\$34.35	\$22.20	\$56.55
Roofers (Slate & Tile)	5/1/2023		\$35.85	\$22.10	\$57.95
Roofers (Slate & Tile)	5/1/2024		\$37.35	\$22.20	\$59.55
Sheet Metal Workers	6/1/2023		\$41.41	\$42.32	\$83.73
Sheet Metal Workers	6/1/2024		\$43.09	\$43.14	\$86.23
Sheet Metal Workers	6/1/2025		\$45.02	\$44.71	\$89.73
Sign Makers and Hangars	7/15/2023		\$31.76	\$24.63	\$56.39
Sign Makers and Hangars	7/15/2024		\$32.32	\$25.82	\$58.14
Sign Makers and Hangars	7/15/2025		\$33.48	\$26.41	\$59.89
Sprinklerfitters	4/1/2024		\$46.45	\$28.62	\$75.07
Sprinklerfitters	4/1/2025		\$49.75	\$29.21	\$78.96
Terrazzo Finisher	5/1/2024		\$35.66	\$20.76	\$56.42
Terrazzo Finisher	5/1/2025		\$36.32	\$21.68	\$58.00
Terrazzo Grinder	5/1/2024		\$36.42	\$20.76	\$57.18
Terrazzo Grinder	5/1/2025		\$37.10	\$21.68	\$58.78
Terrazzo Mechanics	5/1/2024		\$36.44	\$22.51	\$58.95
Terrazzo Mechanics	5/1/2025		\$37.17	\$23.43	\$60.60
Tile & Marble Finisher	5/1/2024		\$33.36	\$16.99	\$50.35
Tile & Marble Finisher	5/1/2025		\$35.31	\$16.99	\$52.30
Tile & Marble Finisher	5/1/2026		\$37.26	\$16.99	\$54.25
Tile Setter	5/1/2024		\$35.25	\$19.24	\$54.49
Tile Setter	5/1/2025		\$38.70	\$17.74	\$56.44
Tile Setter	5/1/2026		\$39.15	\$19.24	\$58.39
Truckdriver class 1(see notes)	5/1/2021		\$37.72	\$0.00	\$37.72
Truckdriver class 2 (see notes)	5/1/2021		\$37.79	\$0.00	\$37.79
Window Film / Tint Installer	6/1/2019		\$24.52	\$12.08	\$36.60
Window Film / Tint Installer	6/1/2024		\$26.37	\$14.83	\$41.20

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project: 25-06657 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter	5/1/2024		\$36.12	\$19.79	\$55.91
Carpenter	5/1/2025		\$36.87	\$20.49	\$57.36
Carpenter	5/1/2026		\$37.63	\$21.18	\$58.81
Carpenter Welder	5/1/2024		\$36.87	\$19.79	\$56.66
Carpenter Welder	5/1/2025		\$37.62	\$20.49	\$58.11
Carpenter Welder	5/1/2026		\$38.38	\$21.18	\$59.56
Carpenters - Piledriver/Welder	1/1/2025		\$37.62	\$20.49	\$58.11
Carpenters - Piledriver/Welder	1/1/2026		\$38.38	\$21.18	\$59.56
Cement Finishers	5/1/2016		\$26.40	\$22.35	\$48.75
Electric Lineman	6/3/2024		\$52.80	\$30.61	\$83.41
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2024		\$37.26	\$32.63	\$69.89
Laborers (Class 01 - See notes)	5/1/2024		\$25.61	\$19.49	\$45.10
Laborers (Class 01 - See notes)	5/1/2025		\$26.61	\$19.99	\$46.60
Laborers (Class 02 - See notes)	5/1/2024		\$32.23	\$19.49	\$51.72
Laborers (Class 02 - See notes)	5/1/2025		\$33.23	\$19.99	\$53.22
Laborers (Class 03 - See notes)	5/1/2024		\$29.22	\$19.49	\$48.71
Laborers (Class 03 - See notes)	5/1/2025		\$30.22	\$19.99	\$50.21
Laborers (Class 04 - See notes)	5/1/2024		\$29.57	\$19.49	\$49.06
Laborers (Class 04 - See notes)	5/1/2025		\$30.57	\$19.99	\$50.56
Laborers (Class 05 - See notes)	5/1/2024		\$30.24	\$19.49	\$49.73
Laborers (Class 05 - See notes)	5/1/2025		\$31.24	\$19.99	\$51.23
Laborers (Class 06 - See notes)	5/1/2024		\$29.66	\$19.49	\$49.15
Laborers (Class 06 - See notes)	5/1/2025		\$30.66	\$19.99	\$50.65
Laborers (Class 07 - See notes)	5/1/2024		\$29.95	\$19.49	\$49.44
Laborers (Class 07 - See notes)	5/1/2025		\$30.95	\$19.99	\$50.94
Laborers (Class 08 - See notes)	5/1/2023		\$29.63	\$18.99	\$48.62
Laborers (Class 08 - See notes)	5/1/2024		\$30.43	\$19.49	\$49.92
Laborers (Class 08 - See notes)	5/1/2025		\$31.43	\$19.99	\$51.42
Millwright	6/1/2024		\$43.46	\$23.33	\$66.79
Millwright	6/1/2025		\$45.46	\$23.33	\$68.79
Millwright	6/1/2026		\$47.52	\$23.33	\$70.85
Operators (Heavy, Class 01 - See Notes)	5/1/2023		\$41.14	\$28.82	\$69.96
Operators (Heavy, Class 01 - See Notes)	5/1/2024		\$42.30	\$29.66	\$71.96
Operators (Heavy, Class 01 - See Notes)	5/1/2025		\$43.46	\$30.50	\$73.96
Operators (Heavy, Class 01 - See Notes)	5/1/2026		\$44.61	\$31.35	\$75.96
Operators (Heavy, Class 01A - See Notes)	5/1/2023		\$43.39	\$29.48	\$72.87
Operators (Heavy, Class 01A - See Notes)	5/1/2024		\$44.55	\$30.32	\$74.87
Operators (Heavy, Class 01A - See Notes)	5/1/2025		\$45.71	\$31.16	\$76.87
Operators (Heavy, Class 01A - See Notes)	5/1/2026		\$46.86	\$32.01	\$78.87
Operators (Heavy, Class 02 - See Notes)	5/1/2023		\$40.86	\$28.73	\$69.59
Operators (Heavy, Class 02 - See Notes)	5/1/2024		\$42.02	\$29.57	\$71.59
Operators (Heavy, Class 02 - See Notes)	5/1/2025		\$43.18	\$30.41	\$73.59
Operators (Heavy, Class 02 - See Notes)	5/1/2026		\$44.34	\$31.25	\$75.59
Operators (Heavy, Class 02A - See Notes)	5/1/2023		\$43.11	\$29.40	\$72.51

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project: 25-06657 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Heavy, Class 02A - See Notes)	5/1/2024		\$44.27	\$30.24	\$74.51
Operators (Heavy, Class 02A - See Notes)	5/1/2025		\$45.43	\$31.08	\$76.51
Operators (Heavy, Class 02A - See Notes)	5/1/2026		\$46.59	\$31.92	\$78.51
Operators (Heavy, Class 03 - See Notes)	5/1/2023		\$37.95	\$27.86	\$65.81
Operators (Heavy, Class 03 - See Notes)	5/1/2024		\$39.11	\$28.70	\$67.81
Operators (Heavy, Class 03 - See Notes)	5/1/2025		\$40.26	\$29.55	\$69.81
Operators (Heavy, Class 03 - See Notes)	5/1/2026		\$41.43	\$30.38	\$71.81
Operators (Heavy, Class 04 - See Notes)	5/1/2023		\$36.80	\$27.54	\$64.34
Operators (Heavy, Class 04 - See Notes)	5/1/2024		\$37.96	\$28.38	\$66.34
Operators (Heavy, Class 04 - See Notes)	5/1/2025		\$39.12	\$29.22	\$68.34
Operators (Heavy, Class 04 - See Notes)	5/1/2026		\$40.28	\$30.06	\$70.34
Operators (Heavy, Class 05 - See Notes)	5/1/2023		\$36.35	\$27.41	\$63.76
Operators (Heavy, Class 05 - See Notes)	5/1/2024		\$37.51	\$28.25	\$65.76
Operators (Heavy, Class 05 - See Notes)	5/1/2025		\$38.67	\$29.09	\$67.76
Operators (Heavy, Class 05 - See Notes)	5/1/2026		\$39.83	\$29.93	\$69.76
Operators (Heavy, Class 06 - See Notes)	5/1/2023		\$35.48	\$27.14	\$62.62
Operators (Heavy, Class 06 - See Notes)	5/1/2024		\$36.64	\$27.98	\$64.62
Operators (Heavy, Class 06 - See Notes)	5/1/2025		\$37.80	\$28.82	\$66.62
Operators (Heavy, Class 06 - See Notes)	5/1/2026		\$38.96	\$29.66	\$68.62
Operators (Heavy, Class 07A - See Notes)	5/1/2023		\$49.93	\$32.83	\$82.76
Operators (Heavy, Class 07A - See Notes)	5/1/2024		\$51.39	\$33.77	\$85.16
Operators (Heavy, Class 07A - See Notes)	5/1/2025		\$52.85	\$34.71	\$87.56
Operators (Heavy, Class 07A - See Notes)	5/1/2026		\$54.32	\$35.64	\$89.96
Operators (Heavy, Class 07B - See Notes)	5/1/2023		\$49.58	\$32.73	\$82.31
Operators (Heavy, Class 07B - See Notes)	5/1/2024		\$51.04	\$33.67	\$84.71
Operators (Heavy, Class 07B - See Notes)	5/1/2025		\$52.51	\$34.60	\$87.11
Operators (Heavy, Class 07B - See Notes)	5/1/2026		\$53.97	\$35.54	\$89.51
Operators (Highway, Class 01 - See Notes)	5/1/2023		\$40.25	\$28.55	\$68.80
Operators (Highway, Class 01 - See Notes)	5/1/2024		\$41.41	\$29.39	\$70.80
Operators (Highway, Class 01 - See Notes)	5/1/2025		\$42.56	\$30.24	\$72.80
Operators (Highway, Class 01 - See Notes)	5/1/2026		\$43.72	\$31.08	\$74.80
Operators (Highway, Class 01a - See Notes)	5/1/2023		\$42.50	\$29.23	\$71.73
Operators (Highway, Class 01a - See Notes)	5/1/2024		\$43.66	\$30.07	\$73.73
Operators (Highway, Class 01a - See Notes)	5/1/2025		\$44.81	\$30.92	\$75.73
Operators (Highway, Class 01a - See Notes)	5/1/2026		\$45.97	\$31.76	\$77.73
Operators (Highway, Class 02 - See Notes)	5/1/2023		\$39.08	\$28.20	\$67.28
Operators (Highway, Class 02 - See Notes)	5/1/2024		\$40.24	\$29.04	\$69.28
Operators (Highway, Class 02 - See Notes)	5/1/2025		\$41.39	\$29.89	\$71.28
Operators (Highway, Class 02 - See Notes)	5/1/2026		\$42.55	\$30.73	\$73.28
Operators (Highway, Class 03 - See Notes)	5/1/2023		\$38.39	\$27.99	\$66.38
Operators (Highway, Class 03 - See Notes)	5/1/2024		\$39.55	\$28.83	\$68.38
Operators (Highway, Class 03 - See Notes)	5/1/2025		\$40.70	\$29.68	\$70.38
Operators (Highway, Class 03 - See Notes)	5/1/2026		\$41.87	\$30.51	\$72.38
Operators (Highway, Class 04 - See Notes)	5/1/2023		\$37.94	\$27.86	\$65.80

BUREAU OF LABOR LAW COMPLIANCE PREVAILING WAGES PROJECT RATES

Project: 25-06657 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Highway, Class 04 - See Notes)	5/1/2024		\$39.10	\$28.70	\$67.80
Operators (Highway, Class 04 - See Notes)	5/1/2025		\$40.26	\$29.54	\$69.80
Operators (Highway, Class 04 - See Notes)	5/1/2026		\$41.41	\$30.39	\$71.80
Operators (Highway, Class 05 - See Notes)	5/1/2023		\$37.42	\$27.72	\$65.14
Operators (Highway, Class 05 - See Notes)	5/1/2024		\$38.58	\$28.56	\$67.14
Operators (Highway, Class 05 - See Notes)	5/1/2025		\$39.73	\$29.41	\$69.14
Operators (Highway, Class 05 - See Notes)	5/1/2026		\$40.89	\$30.25	\$71.14
Operators (Highway, Class 06 - See Notes)	5/1/2023		\$40.48	\$28.62	\$69.10
Operators (Highway, Class 06 - See Notes)	5/1/2024		\$41.64	\$29.46	\$71.10
Operators (Highway, Class 06 - See Notes)	5/1/2025		\$42.80	\$30.30	\$73.10
Operators (Highway, Class 06 - See Notes)	5/1/2026		\$43.95	\$31.15	\$75.10
Operators (Highway, Class 06/A - See Notes)	5/1/2023		\$42.73	\$29.28	\$72.01
Operators (Highway, Class 06/A - See Notes)	5/1/2024		\$43.89	\$30.12	\$74.01
Operators (Highway, Class 06/A - See Notes)	5/1/2025		\$45.05	\$30.96	\$76.01
Operators (Highway, Class 06/A - See Notes)	5/1/2026		\$46.21	\$31.80	\$78.01
Operators (Highway, Class 07/A - See Notes)	5/1/2023		\$48.86	\$32.51	\$81.37
Operators (Highway, Class 07/A - See Notes)	5/1/2024		\$50.32	\$33.45	\$83.77
Operators (Highway, Class 07/A - See Notes)	5/1/2025		\$51.79	\$34.38	\$86.17
Operators (Highway, Class 07/A - See Notes)	5/1/2026		\$53.25	\$35.32	\$88.57
Operators (Highway, Class 07/B - See Notes)	5/1/2023		\$47.44	\$32.10	\$79.54
Operators (Highway, Class 07/B - See Notes)	5/1/2024		\$48.91	\$33.03	\$81.94
Operators (Highway, Class 07/B - See Notes)	5/1/2025		\$50.37	\$33.97	\$84.34
Operators (Highway, Class 07/B - See Notes)	5/1/2026		\$51.84	\$34.90	\$86.74
Painters Class 1 (see notes)	5/1/2018		\$23.92	\$14.37	\$38.29
Painters - Line Stripping	12/1/2024		\$44.12	\$27.91	\$72.03
Painters Class 2 (see notes)	5/1/2024		\$29.72	\$18.08	\$47.80
Painters Class 2 (see notes)	5/1/2025		\$30.55	\$18.36	\$48.91
Painters Class 3 (see notes)	5/1/2024		\$35.47	\$18.08	\$53.55
Painters Class 3 (see notes)	5/1/2025		\$36.30	\$18.36	\$54.66
Piledrivers	5/1/2024		\$36.12	\$19.79	\$55.91
Piledrivers	5/1/2025		\$36.87	\$20.49	\$57.36
Piledrivers	5/1/2026		\$37.63	\$21.18	\$58.81
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2022		\$48.43	\$40.28	\$88.71
Truckdriver class 1(see notes)	5/1/2021		\$37.72	\$0.00	\$37.72
Truckdriver class 2 (see notes)	5/1/2021		\$37.79	\$0.00	\$37.79

Appendix B
MYO Park Road Paving/Drainage Plan

DRAINAGE/PAVING PLAN
FOR
MYO PARK
MILLERSBURG BOROUGH
DAUPHIN COUNTY, PENNSYLVANIA

OWNER:
MILLERSBURG BOROUGH
101 WEST STREET
MILLERSBURG, PA 17090

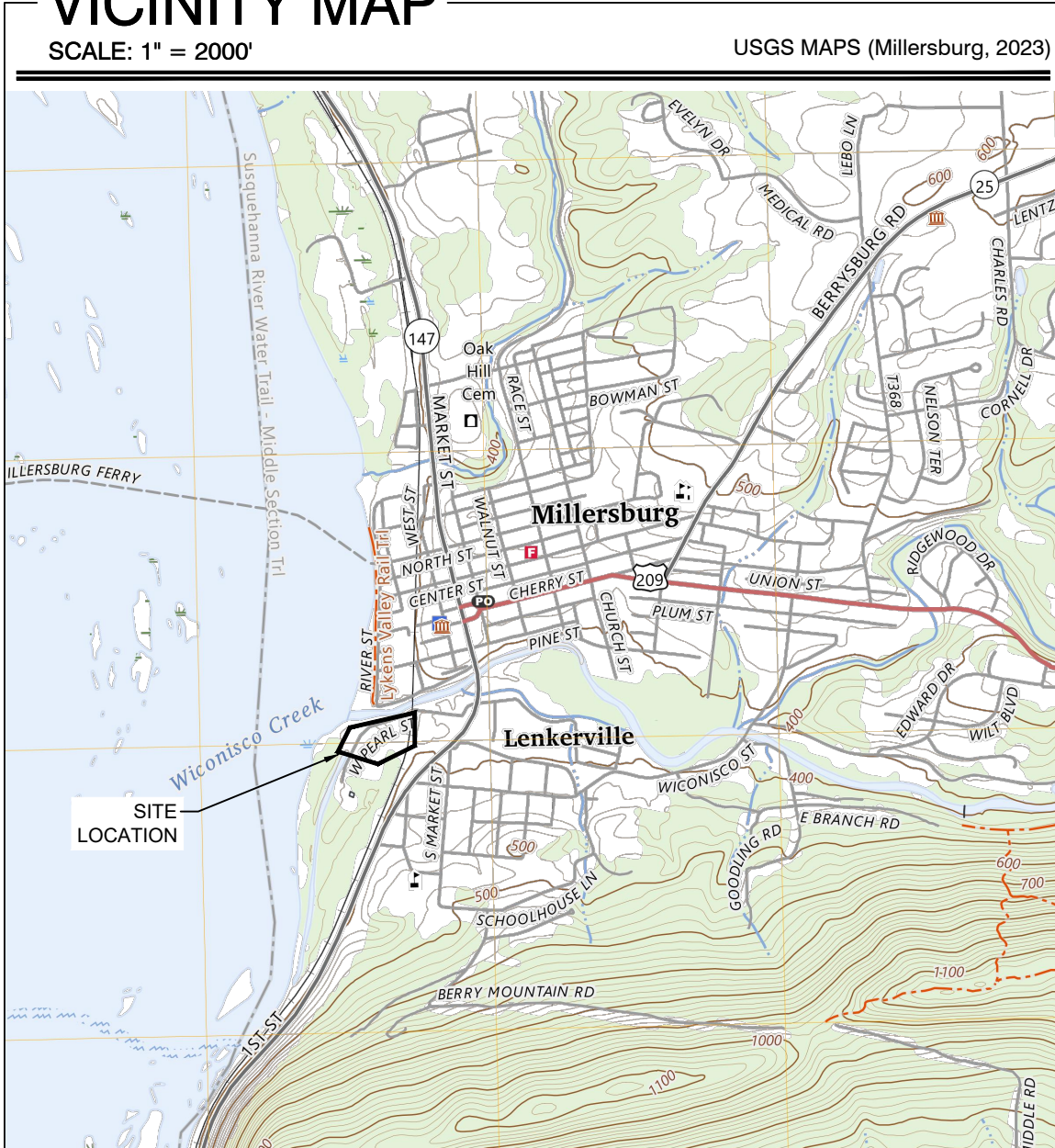
CIVIL ENGINEER / SURVEYOR:
FSA INC.
505 SOUTH HANOVER STREET
CARLISLE, PA 17013

PM: KEITH MOORE
EMAIL: kmoore@fsa-inc.com
PHONE: (301) 791-3650

VICINITY MAP

SCALE: 1" = 2000'

USGS MAPS (Millersburg, 2023)



EXISTING CONDITIONS - 1" = 30'



GENERAL NOTES

- Any damage to adjoining public roads, utilities, etc. during construction will be repaired in kind by the contractor to the specifications of the Borough of Millersburg.
- No subsurface investigation has been performed by Frederick, Seibert and Associates, Inc. to determine ground water, rock, sinkholes or any other natural or man-made existing features.
- No boundary survey was performed by Frederick, Seibert and Associates, Inc.
- FSA, Inc. assumes no liability for the location of any above ground and below ground utilities. Existing utilities are shown from the best available information. Contractor to field verify location and depth of all above and below ground utilities prior to construction. Contractor to contact PA One Call System Inc. at (800) 242-1776.
- The contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
- Utility easements are offered for dedication to their respective Authority upon approval and acceptance of said respective authority.
- The contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the contractor's operation shall be repaired immediately at the contractor's expense. Contractor to use caution in areas where low hanging wires exist.
- All utilities shall be cleared by a minimum of 1'-0". All utility poles shall be cleared by a minimum of 2'-0" or tunneled if required.
- The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these drawings:

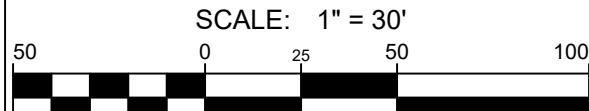
PA One Call System	(800) 242-1776
Borough of Millersburg	(717) 692-2389
Dauphin County Conservation District	(717) 921-8100
- The contractor shall be responsible for coordination of his construction with the construction of other contractors.
- The contractor shall notify the Engineer, before construction, of any conflicts between the plans and actual field conditions.
- The contractor shall protect all utilities and culvert pipes during construction by insuring proper cover, increasing cover, or constructing roadway and parking through base course before loading site with heavy vehicles.
- All construction shall conform to the Borough of Millersburg's Public Works Standards Specifications as well as PennDot Specifications Publication No. 408 (226-23 A).
- Job site safety is the sole responsibility of the contractor. The Contractor shall perform all excavation in accordance with O.S.H.A. Regulations for trench safety.
- The contractor shall be aware that in the event of discrepancy between scaled and figured dimensions shown on the plan, the figured dimensions shall govern.
- It shall be distinctly understood that failure to mention specifically any work which would naturally be required to complete the project shall not relieve the contractor of his responsibility to complete such work.
- Load bearing fills (Class 1) proposed for support of buildings, walls, and other structures whose function thereof would be especially impaired by the settlement shall be compacted at optimum moisture content to a 95% density.
- Load bearing fills (Class 2) proposed for support of roadways, pavement, and structures which would not be especially impaired by moderate settlement shall be compacted at optimum moisture content to a 90% density.
- All fills shall be placed in approximately horizontal layers each layer having a loose thickness of not more than eight (8) inches for class 1 and twelve (12) inches for class 2.
- There may be areas on the lot containing rock that may impact utility placement, proposed stormwater facilities to be constructed on the lot and building locations.
- The project area is within a AE Flood Zone as delineated by the FEMA Firm Panel 42043C0087D, effective 08/02/2012.

STORMWATER BMP NOTES

- All inlets in paved areas shall have heavy duty bicycle-safe grating consistent with the latest edition of PennDOT Publication 72M.
- Inlets must be sized to accept the specified pipe sizes without knocking out any of the inlet corners.
- All pipes entering or exiting inlets shall be cut flush with the inlet wall.
- Inlets shall not have a sump condition in the bottom (unless designed as a water quality BMP). Outlet pipes shall be flush with the bottom of the box or concrete channels shall be poured.
- Inlets, manholes, pipes, and culverts shall be constructed in accordance with the specifications set forth in PennDOT's Publication 408, latest edition, and as detailed in PennDOT's Publication 72M - Standards for Roadway Construction (RC), latest edition, or as approved by the Borough Engineer.
- All frames, concrete top units, and grade adjustment rings shall be set in a bed of full mortar according to Publication 408, latest edition.
- Nothing shall be placed, planted, or set within an easement or right-of-way which would adversely affect the function of the easement or right-of-way, or conflict with any conditions associated with such easement or right-of-way.
- No person shall modify, remove, fill, landscape, or alter any existing stormwater BMP, facilities, areas, or structures unless it is part of an approved maintenance program, without the written approval of the Borough.
- No person shall place any structure, fill, landscaping, or vegetation into a stormwater BMP, facilities, areas, structures, or within a drainage easement that would limit or alter the functioning of the BMP without the written approval of the Borough.
- The owner of each lot that contains a stormwater BMP shall be responsible for the continued functionality and required maintenance of the facility.
- The approved SWM Site Plan shall be on file at the project site throughout the duration of the construction activity.

SHEET INDEX

TYPE	NUMBER	TITLE
C-001	SHEET 01	COVER SHEET
C-101	SHEET 02	STORMWATER MANAGEMENT PLAN
C-501	SHEET 04	NOTES & DETAILS



MYO PARK ROAD DRAINAGE/PAVING PLAN

MILLERSBURG BOROUGH
DAUPHIN COUNTY

MILLERSBURG BOROUGH
101 WEST STREET, MILLERSBURG, PA 17091
(717) 692-2389

PROJECT NO. 70009-2-25.03

DWN BY: MJE DATE: 06-25-2025

PROJECT MANAGER: Keith Moore

EMAIL: kmoore@fsa-inc.com

PROPERTY INFORMATION

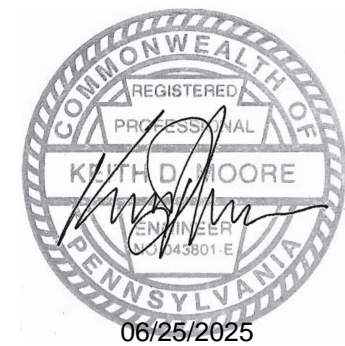
45-020-001

SCALE: AS SHOWN

SHEET TITLE

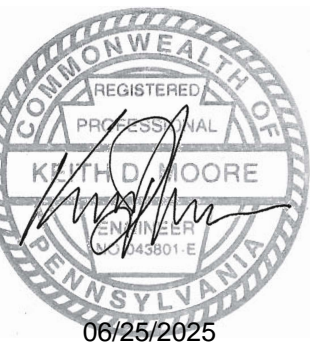
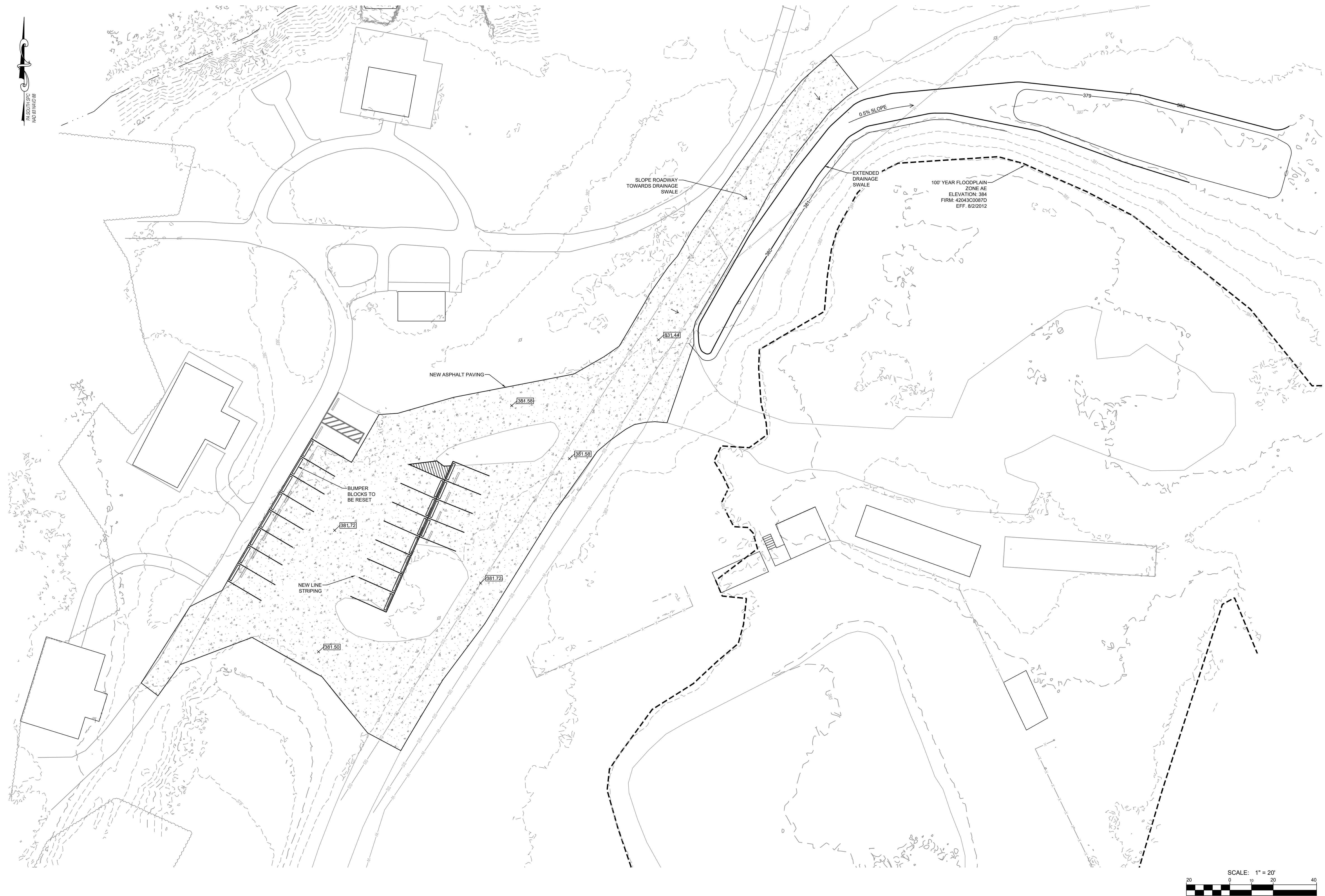
COVER
SHEET

C-001
SHEET 01 OF 03



Professional Certification
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Pennsylvania. License # 043801E
Expiration Date: 06-25-2025

Frederick, Seibert & Associates, Inc.
Civil Engineer • Surveyor • Landscape Architects • Land Planners
1160 MILLERSBURG PIKE
108 SOUTH POTOMAC STREET
PHILADELPHIA, PA 19103
301.791.3650
717.275.7351



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ARCHITECTS • LAND PLANNERS

[illegible]

MILLERSBURG BOROUGH
DAUPHIN COUNTY
MILLERSBURG BOROUGH
101 WEST STREET, MILLERSBURG, PA 17061
(717) 692-2389

PROJECT NO. 70009-2-25-03	
OWN BY MJE	DATE 06-25-2025
PROJECT MANAGER: Keith Moore	
EMAIL: kmoore@fsa-inc.com	
PROPERTY INFORMATION 45-020-001	
SCALE 1" = 20'	
SHEET TITLE	

C-101
SHEET 02 OF 0

Species	Growth Habitat(1)	Tolerates				Minimum Seed Specifications(3)					
		Wet Soil	Dry Soil	Low Fertility	Acid soil (pH 5-5.5/2)	Purity (%)	Ready Germ (%)	Hard Seed (%)	Total Germ (%)	Seeds/lb (1,000s)	
Warm-season grasses											
Deontogeno	Bunch	Yes	No	Yes	Yes	Yes	95	75		75	20
Wiering lovegrass	Bunch	Yes	Yes	Yes	Yes	Yes	97	75		75	1,500
Switchgrass(4)	Bunch	Yes	Yes	Yes	Yes	Yes			(60 PLS)		390
Big bluestem	Bunch	No	Yes	Yes	Yes	Yes			(60 PLS)		150
Cool-season grasses											
Tall fescue	Bunch	Yes	No	Yes	No	Yes	95	80		80	227
Redtop	Bunch	Yes	No	Yes	No	Yes	92	80		80	5,000
Fine fescue	Bunch	No	No	Yes	No	Yes	95	80		80	400
Perennial ryegrass	Bunch	Yes	No	No	No	Yes	95	85		85	227
Annual ryegrass	Bunch	Yes	No	Yes	No	Yes	95	85		85	227
Kentucky bluegrass	Bunch	No	No	No	No	Yes	85	75		75	1,000
Reed canarygrass	Bunch	Yes	Yes	Yes	Yes	Yes	95	70		70	520
Orchardgrass	Bunch	Yes	Yes	Yes	Yes	Yes	95	80		80	654
Timothy	Bunch	Yes	No	Yes	Yes	Yes	95	80		80	1,230
Serenoia bromegrass	Bunch	No	Yes	Yes	No	Yes	95	80		80	136
Legumes(5)											
Crowmetch	Bunch	No	Yes	Yes	Yes	Yes	98	40	30	65	120
Birdfoot trefoils(6)	Bunch	No	No	Yes	Yes	Yes	98	60	20	80	400
Flatpea	Bunch	No	No	Yes	Yes	Yes	98	55	20	75	10
Serenoia lespedeza	Bunch	No	Yes	Yes	Yes	Yes	98	60	20	80	335
Cereals											
Winter wheat	Bunch	No	No	No	No	Yes	98	85		85	15
Winter rye	Bunch	No	No	No	Yes	Yes	98	85		85	18
Spring oats	Bunch	No	No	No	No	Yes	98	85		85	13
Sudangrass	Bunch	No	No	Yes	Yes	Yes	98	85		85	13
Japanese millet	Bunch	Yes	No	Yes	Yes	Yes	98	80		80	155

- (1) Growth habit refers to the ability of the species to either form a dense sod by vegetative means (stolons, rhizomes, or roots) or remain as a single plant. Some species, such as *Phragmites* and *Scirpus*, form runners that can produce a very dense stand. This is sometimes called a sod, but not in the sense of a sod formed by vegetative means.
- (2) Once established, plants may grow at a somewhat lower pH, but cover generally is only adequate at pH 6.0 or above.
- (3) Germination is the ability of the seed to grow under standard conditions. Germination is not the same as seed viability standards. Thus, deionized grass seed germinate 75% or better. Crowsfoot should have at least 40% readily germinable seed and 30% hard seed. The seed viability test is a more accurate test of seed viability. It is the ability of the seed to grow under standard conditions for plant establishment. Ready germinable refers to seed that germinates during the period of the germination test and that would be expected, if conditions are favorable, to germinate rapidly when planted. The opposite of ready germinable is dormant seed, of which there are two types:
 - (a) Swatgrass seed is seed only on the basis of PLIS.
 - (b) Nuts and seeds of many species are dormant for garden grasses and sweetgum usually are dormant for satisfactory forage plants.
- (4) Birdstroff test is adapted over the entire state, except in the extreme southern where crown and root rot may injure stands.

Mulch Type	Application Rate (Min.)			Notes
	Per Acre	Per 1,000 sq. ft.	Per 1,000 sq. yd.	
Straw	3 tons	140 lbs.	1,240 lbs.	Either wheat or oat straw, free of weeds, not chipped or finely broken
Hay	3 tons	140 lbs.	1,240 lbs.	Timothy, mixed clover and timothy or other native forage grasses
Wood Chips	4 - 6 tons	185- 275 lbs.	1,650 - 2,500 lbs.	May prevent germination of grasses and legumes
Hydromulch	1 ton	47 lbs.	415 lbs.	See limitations below(1)

(1) Shredded paper hydromulch should not be used on slopes steeper than 5%. Wood fiber hydromulch may be applied on steeper slopes provided a tackifier is used. The application rate for any hydromulch should be 2,000 lb/acre at a minimum.

Mixture Number	Species	Seeding Rates - Pure Live Seed(1)	
		Most Sites	Adverse Sites
1(2)	Spring oats (spring), or	64	96
	Annual ryegrass (spring or fall), or	10	15
	Winter wheat (fall), or	90	120
	Winter rye (fall)	56	112
2(3)	Tall fescue, or	60	75
	Fine fescue, or	35	40
	Kentucky bluegrass, plus	25	30
	Redtop (4), or	3	3
3	Perennial ryegrass	15	20
	Birdsfoot trefoil, plus	6	10
	Tall fescue	30	35
	Birdsfoot trefoil, plus	6	10
4	Reed canarygrass	10	15
	Crownvetch, plus	10	15
	Tall fescue, or	20	25
	Perennial ryegrass	20	25
5(8)	Crownvetch, plus	10	15
	Annual ryegrass	20	25
	Birdsfoot trefoil, plus	6	10
	Crownvetch, plus	10	15
7(8)	Tall fescue	20	30
	Flatpea, plus	20	30
	Tall fescue, or	20	30
	Perennial ryegrass	20	25
8	Sericea lespedeza, plus	10	20
	Tall fescue, plus	20	25
	Redtop(4)	3	3
9(6)	Tall fescue, plus	40	60
	Fine fescue	10	15
	Deertongue, plus	15	20
	Birdsfoot trefoil	6	10
10	Switchgrass, or	15	20
	Big Bluestem, plus	15	20
	Birdsfoot trefoil	6	10
12(7)	Orchardgrass, or	20	30
	Smooth bromegrass, plus	25	35
	Birdsfoot trefoil	6	10
13			

Penn State "Erosion Control and Conservation Plantings on Noncropland"

- (1) PLS is the product of the percentage of pure seed times percentage germination divided by 100. For example, to secure the actual planting rate for switchgrass, divide 12 pounds PLS shown on the seed tag. Thus, if the PLS content of a given seed lot is 12.5, the actual planting rate required to plant one acre is 12 pounds divided by 12.5, or 0.96 pounds of seed required to plant one acre. All mixtures in this table are shown in terms of PLS.
- (2) If high-quality seed is used, for most sites seed spring oats at a rate of 2 bushels per acre, winter wheat at 11.5 bushels per acre, and winter rye at 1 bushel per acre. If seed quality is below 90%, increase these suggested seeding rates by 0.5 bushel per acre.
- (3) This mixture is suitable for frequent mowing. Do not cut shorter than 4 inches.
- (4) Keep seeding rate at that recommended in table. These species have many seeds and are difficult to count. To seed small quantities of small seeds such as creeping lovegrass and reedtop, dilute with dry sawdust, sand, rice hulls, buckwheat hulls, etc.
- (5) Use for highway slopes and similar sites where the desired species after establishment is crownvetch.
- (6) Use only in extreme southeastern or extreme southwestern Pennsylvania. *Sericea lespedeza* is not well adapted to most of PA.
- (7) Do not mow shorter than 5 to 10 inches.
- (8) Seed mixtures containing *S. lespedeza* should not be used in areas adjacent to wetlands or stream channels due to the invasive nature of this species.

Site Condition	Nurse Crop	Seed Mixture (Select one mixture)
Slopes and Banks (not mowed)		
Well-drained	1 plus	3, 5, 8, or 12(1)
Variable drainage	1 plus	3 or 7
Slopes and Banks (mowed)		
Well-drained	1 plus	2 or 10
Slopes and Banks (grazed/hay)		
Well-drained	1 plus	2, 3, or 13
	1 plus	3, 5, 7, or 12(1)
Gullies and Eroded Areas		
Erosion Control Facilities (BMPs)		
Sod waterways, spillways, frequent water flow areas	1 plus	2, 3, or 4
Drainage ditches		
Shallow, less than 3 feet deep	1 plus	2, 3, or 4
Deep, not more than 3 feet deep	1 plus	5 or 7
Pond banks, dikes, levees, dams, diversion channels,		
And occasional water flow areas		
Mowed areas	1 plus	2 or 3
Non-mowed areas	1 plus	5 or 7
For hay or silage on diversion channels and occasional water flow areas	1 plus	3 or 13
Highways(2)		
Non-mowed areas		
Pure crownvetch(3)	1 plus	5 or 6
Well-drained	1 plus	5, 7, 8, 9, or 10
Variable drained	1 plus	3 or 7
Poorly drained	1 plus	3 or 4
Areas mowed several times per year	1 plus	2, 3 or 10
Utility Right-of-Way		
Well-drained	1 plus	5, 8, or 12(1)
Variable drained	1 plus	3 or 7
Well-drained areas for grazing/hay	1 plus	2, 3, or 13
Effluent Disposal Areas	1 plus	3 or 4
Sanitary Landfills	1 plus	3, 5, 7, 11(1), or 12(1)
Surface mines		
Spills, mines wastes, fly ash, slag, settling basin Residues and other severely disturbed areas (time to soil test)	1 plus	3, 4, 5, 7, 8, 9, 11(1), or 12(1)
Severely disturbed areas for grazing/hay	1 plus	3 or 13

Penn State, *Erosion Control and Conservation Plantings on Noncropland

- (1) For seed mixtures 11 and 12, only use spring oats or weeping lovegrass (included in mix) as nurse crop.
- (2) Contact the Pennsylvania Department of Transportation district roadside specialist for specific suggestions on treatment techniques and management practices.
- (3) Seed mixtures containing crown vetch should not be used in areas adjacent to wetlands or stream channels due to the invasive nature of this species.

Much Type	Application Rate (Min.)			Notes
	Per Acre	Per 1,000 sq. ft.	Per 1,000 sq. yd.	
Agricultural Lime	6 tons	240 lbs.	2,480 lbs.	Or as per soil test; may not be required in agricultural fields
10-10-20 Fertilizer	1,000 lbs.	25 lbs.	210 lbs.	Or as per soil test; may not be required in agricultural fields
Agricultural Lime	1 ton	40 lbs.	410 lbs.	Typically not required for topsoil stockpiles
10-10-10 Fertilizer	500 lbs.	12.5 lbs.	100 lbs.	Typically not required for topsoil stockpiles

A compost blanket which meets the standards of this chapter may be substituted for the soil amendment shown in Table 11.2.

STANDARD ESC WORKSHEET 21	
Temporary & Permanent Vegetative Stabilization Specifications	
Erosion Control & Conservation Plantings on Non-Cropland	
RMANENT	
Topsoil Placement Depth	4-8"
Species	1&2 (Rye, Kentucky Bluegrass, & Redtop)
% Pure Live Seed	10+25+3 = 38 PLS
Application Rate	31.5 LB/AC
Fertilizer Type	10-10-20
Fertilizer Application Rate	1,000 LB/AC
Liming Rate	6 TON/AC
Mulch Type	STRAW
Mulching Rate	3 TON/AC
Anchor Material	Asphalt SS-1 or Equivalent
Anchoring Method	Uniformly Applied
Rate of Anchoring Material Application	150 GAL/AC
Seeding Season Dates	3-15 to 5-15 & 8-15 to 10-15
RMANENT - STEEP SLOPE	
Topsoil Placement Depth	4-8"
Species	1&3 (Rye, Birdsfoot Trefoil, & Tall fescue)
% Pure Live Seed	10+6+30 = 46 PLS
Application Rate	26 LB/AC
Fertilizer Type	10-10-20
Fertilizer Application Rate	1,000 LB/AC
Liming Rate	6 TON/AC
Mulch Type	STRAW
Mulching Rate	3 TON/AC
Anchor Material	Asphalt SS-1 or Equivalent
Anchoring Method	Uniformly Applied
Rate of Anchoring Material Application	150 GAL/AC
Seeding Season Dates	3-15 to 5-15 & 8-15 to 10-15
MPORARY	
Species	Annual Rye
% Pure Live Seed	40
Application Rate	30 LB/AC
Fertilizer Type	5-5-5
Fertilizer Application Rate	500 LB/AC
Liming Rate	1 TON/AC
Mulch Type	STRAW
Mulching Rate	3 TON/AC

TABLE 4.1 - COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS					
MATERIAL TYPE	3 MIL HDPE	5 MIL HDPE	5 MIL HDPE	MULTIFILAMENT POLYPROPYLENE (HMPP)	HEAVY DUTY MULTIFILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12" 18" 24"	12" 18" 24"	12" 18" 32"	12" 18" 32"	12" 18" 24" 32"
MESH OPENINGS	3/8"	3/8"	3/8"	3/8"	1/2"
TENSILE STRENGTH		26 PSI	26 PSI	44 PSI	202 PSI
ULTRAVIOLET STABILITY & ORIGINAL STRENGTH (ASTM G-155)	23% @ 1000 HR	23% @ 1000 HR		100% @ 1000 HR	100% @ 1000 HR
MIN FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS	6 MONTHS	1 YEAR	2 YEAR

TWO-PLY SYSTEM	
INNER CONTAINMENT NETTING	HDPE BIANAL NET
	CONTINUOUSLY WOUND
	FUSION-WELDED JUNCTURES
	3/4" X 3/4" MAX APERTURE SIZE
OUT FILTRATION MESH	COMPOSITE POLYPROPYLENE FABRIC (WOVEN LAYER AND NON-WOVEN FLEECE 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	

TABLE 4.2 - COMPOST STANDARDS	
ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5-8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/m (mmhos/cm) MAXIMUM

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND ELONGATED
pH	5.5 - 8.0
MOISTURE CONTENT	35% - 55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0 dS/1m (mmhos/cm) MAXIMUM

