


**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
6/17/2020 Bridge."

DATE

Dover Township, 2nd Class
MUNICIPALITY (NAME & TYPE)

Tiffany Strine
SECRETARY

Sealed Proposals will be received on or before
9:00 A.M. on the above Letting Date.

TIME

2480 West Canal RoadDover, PA 17315

ADDRESS

Bids will be opened and read at approximately
9:00 A.M. , 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 Dover Township, 2nd Class 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 10% 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

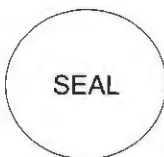
ACCEPTED ON : _____
 DATE

Dover Township, 2nd Class
MUNICIPALITY

BY: _____
 TITLE: _____

BY: _____
 TITLE: _____

BY: _____
 TITLE: _____



ATTESTED BY: _____
 TITLE: _____

**ATTACHMENT 1****TO MS - 944 (PROPOSAL AND CONTRACT MS - 944)**County: YorkMunicipality: Dover Township, 2nd Class

Project Number: _____

LOCATION OF WORK:

ITEM 1 - Fox Run Rd. (3500 block) (T818) guiderail replacement. ITEM 2 & 3 Emig Mill Rd. (3200 block) (T809) guiderail and bridge maintenance.

DESCRIPTION OF WORK:

Furnish, install and or remove the following PennDOT approved items - guiderail & appurtenances, sediment, concrete, riprap as shown on the attached drawings (Fox Run Rd. - 1 page and Emig Mill Rd. 5 pages). All items shall be new and not used. A GP11 Permit (GP116703219-027) was issued by DEP on 10/31/2019, for work at Emig Mill Road.

ESCALATOR CLAUSE:(if adopted by Municipality.)

A Resolution was not adopted by the municipality as required by PennDOT Chapter 449.6. and an escalator clause may not be inserted by the contractor.

 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
1A	1	L.S.	Fox Run-remove existing guiderail & dispose		
1B	2	each	Impact Attenuator Test Level II, 25'		
1C	2	each	Type 31-S Anchor Terminal, 12.5'		
1D	275	feet	Type 31-S guiderail & nesting		
2A	1	L.S.	Emig Mill-remove existing guiderail & dispose		
2B	4	each	Impact Attenuator End Treat. Test Level 3, 37.5'		
2C	188	feet	Type 31-S guiderail & nesting		
3A	1	L.S.	Emig Mill-remove sediment		
3B	1	L.S.	Underpin the substructure		
3C	1	L.S.	Fill scour hole		
3D	10	C.Y.	Rip-rap R-4 or R-5		
3E	190	L.F.	Mortar pointing		

*** 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.

	SUBTOTAL	
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 5 working days prior to start of project.
- X Work to be completed on or before 10/15/2020 . After 10/15/2020 Liquidated damages apply at the rate of \$ 885.00 per calendar day.
Roadway to be power broomed by (contractor municipality)prior to start of project.
Excess material to be removed by (contractor municipality .)
- X Municipality to inspect project.
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.
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.
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.
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.
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.
- X Notice to Proceed will be after July 15, 2020.
- X Work shall be completed between 6 A.M. and 6 P.M. - Monday through Friday.
- X Work Zone Liquidated Damages as per Pub. 408, Section 108.07(c).
- X E&S Control Noncompliance Liquidated Damages as per Pub. 408, Section 108.07(d).
- X Follow PennDOT Pub. 408, 2020, and Pub. 72M, 2010, Change #6, or latest editions.

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

Dover Township, 2nd Class

Municipality

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
B-O	YORK		NA	1 OF 1
DOVER TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

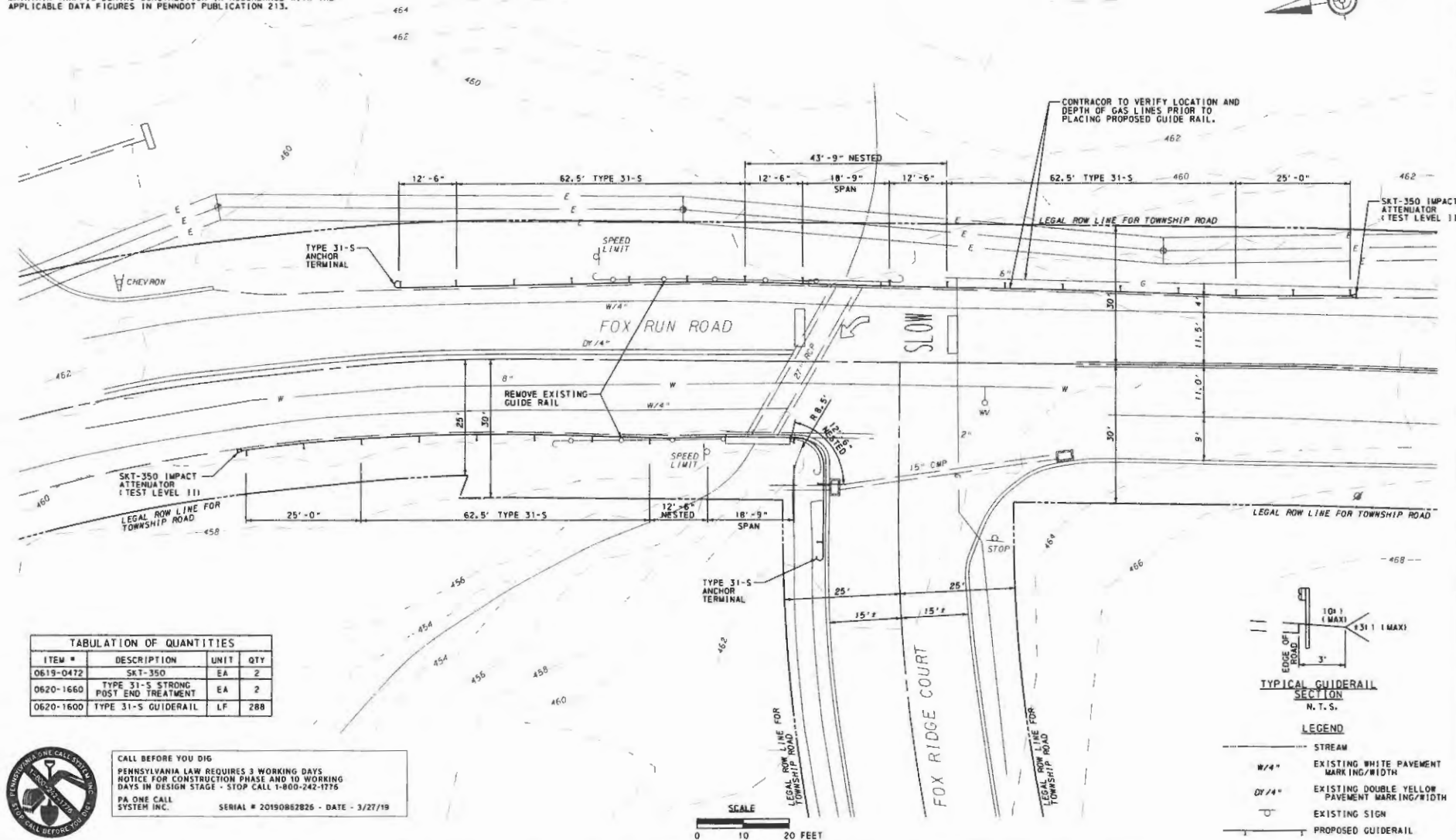
NOTES

SEE RC-51M FOR LONG SPAN SYSTEMS ACROSS CULVERTS AND SMALL STRUCTURES 18'-9" SPAN.

SEE RC-54M FOR TYPE 31 STRONG POST ANCHOR TERMINAL AND IN-LINE ANCHOR.

LEGAL RIGHT-OF-WAY IS APPROXIMATE BASED UPON APPROVED SUBDIVISION PLAN FOR FOX RIDGE, RECORDED SEPTEMBER 13, 1977 IN THE YORK COUNTY RECORDER OF DEEDS OFFICE.

MAINTAIN TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE APPLICABLE DATA FIGURES IN PENNDOT PUBLICATION 213.



TABULATION OF QUANTITIES			
ITEM #	DESCRIPTION	UNIT	QTY
0619-0472	SKT-350	EA	2
0620-1660	TYPE 31-S STRONG POST END TREATMENT	EA	2
0620-1600	TYPE 31-S GUIDERAIL	LF	288

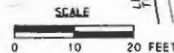


CALL BEFORE YOU DIG

PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL 1-800-242-1775

PA ONE CALL SYSTEM INC.

SERIAL # 20190852825 - DATE - 3/27/19



TYPICAL GUIDERAIL SECTION

N.T.S.

LEGEND

- STREAM
- W/4" EXISTING WHITE PAVEMENT MARKING/WIDTH
- DY/4" EXISTING DOUBLE YELLOW PAVEMENT MARKING/WIDTH
- EXISTING SIGN
- PROPOSED GUIDERAIL

DOVER TOWNSHIP BOARD OF SUPERVISORS

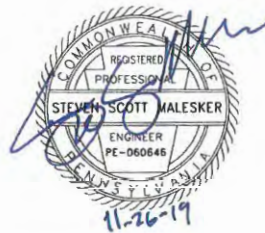
2019 EMIG MILL ROAD BRIDGE MAINTENANCE

YORK COUNTY PENNSYLVANIA
ENGINEER'S PROJECT NO. 1619.8.41.01

**APPROVED
FOR STRUCTURAL
ADEQUACY ONLY**

Date Monday, December 30, 2019

District Bridge Engineer



NOVEMBER, 2019

REGISTERED PROFESSIONAL ENGINEER'S CERTIFICATION

"I DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA. C.S.A. SEC. 4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE INFORMATION CONTAINED IN THE ACCOMPANYING PLANS, SPECIFICATIONS AND REPORTS HAS BEEN PREPARED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICE, IS TRUE AND CORRECT, AND IS IN CONFORMANCE WITH CHAPTER 105 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



Excellence in Civil Engineering

38 NORTH DUKE STREET, YORK, PA • PHONE (717) 846-4805 • FAX (717) 846-5811

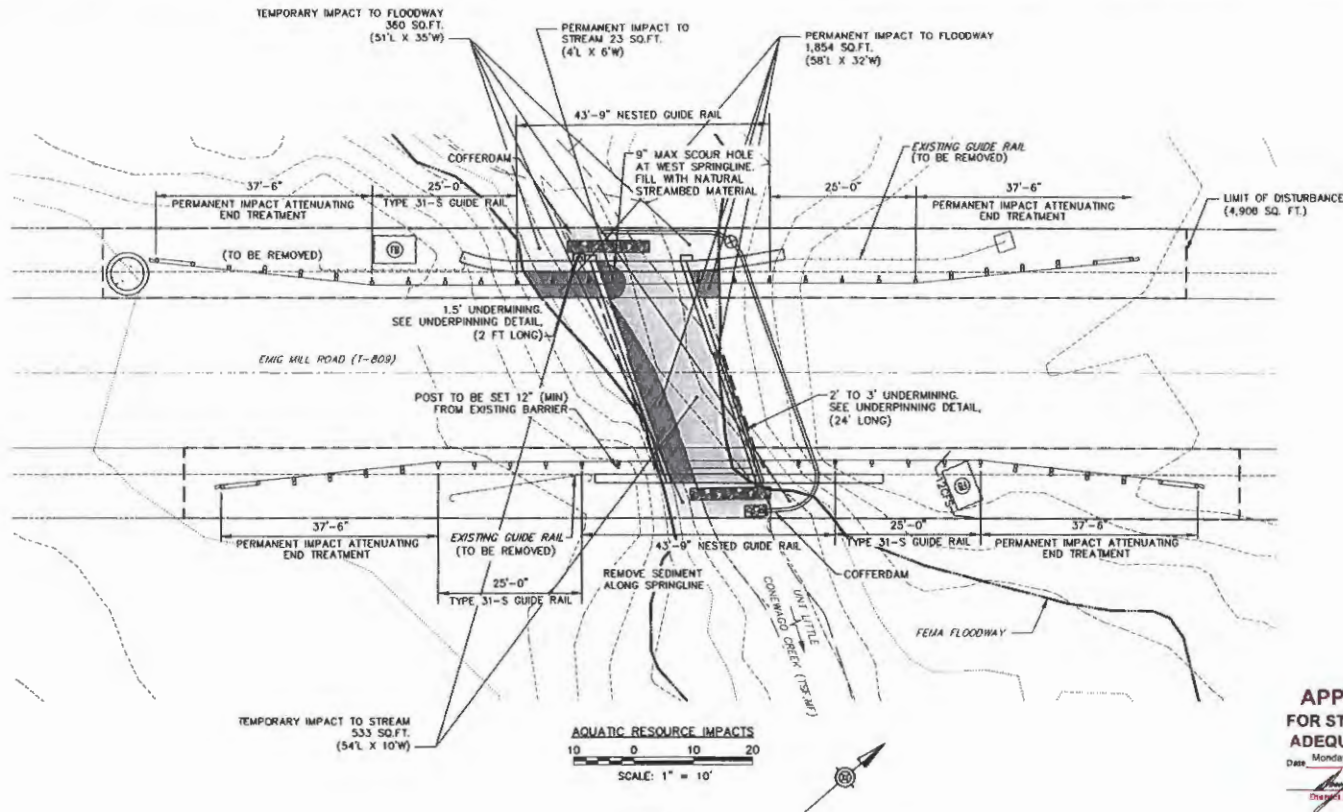
50 WEST MIDDLE STREET, GETTYSBURG, PA • PHONE (717) 337-3021 • FAX (717) 337-0782

315 W. JAMES STREET, SUITE 102, LANCASTER, PA • PHONE (717) 481-2991 • FAX (717) 481-8690

WWW.CSDAVIDSON.COM

INDEX OF DRAWINGS

<u>SHEET NO.</u>	<u>TITLE</u>	<u>MUNICIPALITY</u>
1	EMIG MILL ROAD BRIDGE	DOVER TOWNSHIP
2	IMPACTS PLAN	
3	NOTES	
4	DETAILS	



AQUATIC RESOURCE IMPACTS
10 0 10 20
SCALE: 1" = 10'

LEGEND

- PERMANENT IMPACTS TO STREAM (19 SQ.FT. -OR- 0.01 ACRES)
- TEMPORARY IMPACTS TO STREAM (533 SQ.FT. -OR- 0.01 ACRES)
- PERMANENT IMPACTS TO FLOODWAY (184 SQ.FT. -OR- 0.01 ACRES)
- TEMPORARY IMPACTS TO FLOODWAY (360 SQ.FT. -OR- 0.01 ACRES)

NOTES:
DIMENSIONS SHOWN ON PLAN ARE
APPROXIMATE DUE TO THE IRREGULAR SHAPE
OF THE DISTURBED AREAS. AREA VALUES
HAVE BEEN DIGITALLY DELINEATED UTILIZING
AUTOCAD CIVIL 3D.

APPROVED
FOR STRUCTURAL
ADEQUACY ONLY

Date: Monday, December 30, 2019

[Signature]
Design Bridge Engineer

DOVER TOWNSHIP BOARD OF SUPERVISORS
AQUATIC RESOURCE IMPACTS PLAN
DOVER TOWNSHIP
DOVER COUNTY, PENNSYLVANIA
EMIG MILL ROAD

C.S. Davidson, Inc.
Excellence in Civil Engineering
1810 SOUTH STREET, SUITE 100, DOVER, PA 17935
PH: 717.281.1111 FAX: 717.281.1112
WWW.CSDAVIDSON.COM



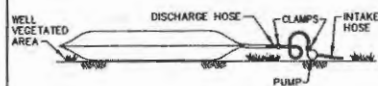
DATE	10/10/2019
DRAWN BY	APS
CHECKED BY	SSM
SCALE	AS SHOWN
DATE	01/30/2020
DRWG. NO.	181004101_OP-11
FILE NO.	1810.0.41.01
SHEET NO.	2 OF 4

NOTES:

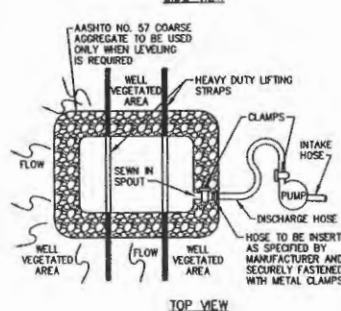
LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4864	50 LB/IN
ORAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70K
ADS % RETAINED	ASTM D-4751	80 SIEVE

- A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
- BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5% FOR SLOPES EXCEEDING 5% CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
- NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. COMPOST BERM OR COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS LOCATED IN HQ OR EV WATERSHEDS, WITHIN 50 FEET OF ANY RECEIVING SURFACE WATER OR WHERE GRASSY AREA IS NOT AVAILABLE.
- THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
- THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
- FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

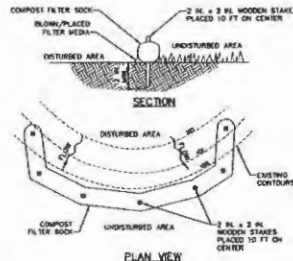


SIDE VIEW

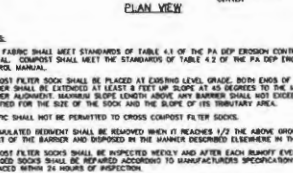


TOP VIEW

STANDARD CONSTRUCTION DETAIL #3-16
PUMPED WATER FILTER BAG
NOT TO SCALE



SECTION

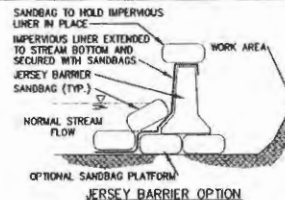


PLAN VIEW

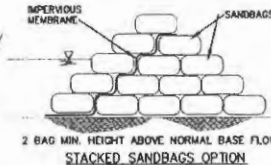
NOTES:

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

STANDARD CONSTRUCTION DETAIL #4-1
COMPOST FILTER SOCK
N.T.S.



JERSEY BARRIER OPTION



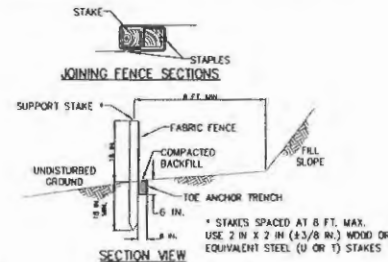
STANDARD CONSTRUCTION DETAIL #3-15
SANDBAG DIVERSION DAM OR COFFERDAM
NOT TO SCALE

NOTES:

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

TABLE 4.1 Compost Sock Fabric Minimum Specifications						
Material Type	3 mil HDPE	5 mil HDPE	5 mil HDPE	Multi-Filament Polypropylene (MFPP)	Heavy Duty Multi-Filament Polypropylene (HMFPP)	
Material Characteristics	Photo-degradable	Photo-degradable	Bio-degradable	Photo-degradable	Photo-degradable	
Sock Diameters	12" 18"	12" 18"	12" 18"	12" 18"	12" 18"	12" 18"
Mesh Opening	3/8"	3/8"	3/8"	3/8"	3/8"	1/8"
Tensile Strength		26 psi	26 psi	44 psi	202 psi	
Ultraviolet Stability %	23% at 1000 hr.	23% at 1000 hr.		100% at 1000 hr.	100% at 1000 hr.	
Original Strength (ASTM G-155)						
Minimum Functional Longevity	6 months	9 months	6 months	1 year	2 years	
Two-ply systems						
Inner Containment Netting				HDPE biaxial net		
	Continuously wound					
	Fusion-welded junctures					
	3/4" X 3/4" Max. aperture size					
Outer Filtration Mesh				Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch)		
	31/6" 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	75% - 100% (dry weight basis)
Organic Portion	Fibrous and elongated
pH	5.5 - 6.5
Moisture Content	30% - 80%
Particle Size	30% - 50% pass through 3/8" sieve
Soluble Salt Concentration	5.0 dS/m (maximum)



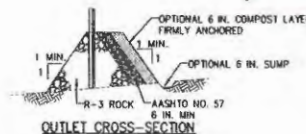
SECTION VIEW

NOTES:

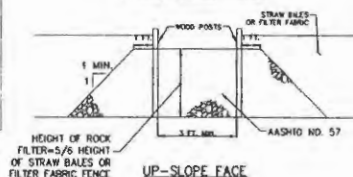
- FABRIC SHALL HAVE THE MINIMUM PROPERTIES AS SHOWN IN TABLE 4.3 OF THE PA DEP EROSION CONTROL MANUAL.
- FABRIC WIDTH SHALL BE 30 IN. MINIMUM. STAKES SHALL BE HARDWOOD OR EQUIVALENT STEEL (U OR T) STAKES.
- SILT FENCE SHALL BE PLACED AT LEVEL EXISTING GRADE. BOTH ENDS OF THE FENCE SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT.
- SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH HALF THE ABOVE GROUND HEIGHT OF THE FENCE.
- ANY SECTION OF SILT FENCE WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET (STANDARD CONSTRUCTION DETAIL # 4-6).
- FENCE SHALL BE REMOVED AND PROPERLY DISPOSED OF WHEN TRIBUTARY AREA IS PERMANENTLY STABILIZED.

STANDARD CONSTRUCTION DETAIL #4-7
STANDARD SILT FENCE (18" HIGH)
N.T.S.

APPROVED
FOR STRUCTURAL
ADEQUACY ONLY
Date: Monday, December 30, 2019
District Bridge Engineer



OUTLET CROSS-SECTION



UP-SLOPE FACE

NOTES:

- A ROCK FILTER OUTLET SHALL BE INSTALLED WHERE FAILURE OF A SILT FENCE OR STRAW BALE BARRIER HAS OCCURRED DUE TO CONCENTRATED FLOW. ANCHORED COMPOST LAYER SHALL BE USED ON UP-SLOPE FACE IN HQ AND EV WATERSHEDS.
- SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET.

STANDARD CONSTRUCTION DETAIL #4-6
ROCK FILTER OUTLET
N.T.S.

DOVER TOWNSHIP BOARD OF SUPERVISORS
SOIL EROSION AND SEDIMENTATION CONTROL DETAILS
DOVER TOWNSHIP
YORK COUNTY, PENNSYLVANIA
EMIG MILL ROAD

C.S. Davidson, Inc.
Excellence in Civil Engineering
1000 N. MARKET STREET, SUITE 100, YORK, PA 17403
717.766.1111
www.cs-davidson.com

DOVER TOWNSHIP
PA DEP EROSION CONTROL MANUAL
DATE: 10/1/19
DRAWN BY: APR
CHECKED BY: BSM
SCALE: AS SHOWN
DATE: 10/1/19
DIVD. NO.: 181984105, DP-11
FILE NO.: 1818.8.41.01
SHEET NO.: 4 OF 4

- 1 The proposal must be typewritten or printed.
- 2 If more than one proposal on any project is submitted by an individual, firm or partnership, corporation or association under the same or different names, only one lowest proposal will be considered.
- 3 Description of Work- -
 - A. If additional space is needed, insert appropriately numbered attachment and note "Continued on attached work sheets."
- 4 Part A of Page 1 to be completed by municipality. Part B of Page 1 to be completed by contractor. Schedule of Prices - Column #1 (Item), #2 (Approximate quantities), #3 (Unit, i.e., ton, square yard, linear feet, etc.) And #4 (Description, i.e., bituminous materials - 9.5 mm S & L, 12.5 mm Wearing, 25.0 mm Base Course, etc.) Must be filled in by the municipality to insure equitable bidding. Columns #5 (Unit Price), #6 (Total) and total amount of bid, must be filled in by the contractor. If more space is needed, add note at the bottom of the page; "Continued on Attachment No. 1-A", and add additional sheet designated as Attachment No. 1-A, 1-B, etc.. Repeat for each additional sheet required. As required by Publication 408, Section 102.06(e), each bidder must submit a completed Form 7126 - Anti-Collusion Affidavit with its bid proposal.
- 5 If liquidated damages are to be assessed, add the following sentence to Part A #2. If all work is not completed on time, liquidated damages will be assessed at the rate of \$870.00 per additional working day. (OR "... as set forth in the attached schedule.")
- 6 Payment and Performance bonds are provided only by the successful bidder. Contracts from \$4,000.00 up to \$5,000.00 in Second Class Townships - performance bond must be not less than 10% or greater than 100% of amount of contract. Contracts greater than \$1,500.00 up to \$10,000.00 in First Class Townships, Boroughs and Third Class Cities - bonds must be between 50 % to 100% of the contract amount. Contracts in excess of \$5,000.00 in Second Class Townships and in excess of \$10,000.00 in First Class Townships, Boroughs and Third Class Cities - bonds must be in 100% of the amount of the contract. Bond Forms MS-944 Attachments 2 and 3 and Workmen's Compensation Affidavit - Attachment 4 must be submitted by the successful bidder within 20 days of the contract award. Failure to submit the bonds shall constitute grounds to cancel the contract.
- 7 *Construction projects, where the estimated cost of the total project exceeds \$25,000, are subject to the provisions of the Pennsylvania Prevailing Wage Act 442. It is the responsibility of the municipality to obtain the Prevailing Wage Scale for the area and include it in the proposal. If the Prevailing Wage Act applies, this fact shall be noted in the advertisement.

On projects utilizing Federal Revenue Sharing Funds, if the project cost exceeds \$2,000 and is financed with 25% or more Federal Revenue Sharing Funds, the Davis Bacon Act applies. Again, it is the responsibility of the municipality to obtain the Davis Bacon Wage Rates, include them in the proposal and note the fact in the advertisement. If both acts are applicable, The Davis Bacon Act has preference over the Pennsylvania Prevailing Wage Act.
- 8 An ESCALATOR CLAUSE is optional; if used, it must be included in the proposal prepared by the municipality. An escalator clause may not be inserted by the contractor.

*(1961, Aug. 15, P.L. 987; 43 P.S. 165)

PERFORMANCE BOND (With Corporate Surety)



pennsylvania
DEPARTMENT OF TRANSPORTATION

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

(NAME OF STATE)

as Surety

are held and firmly bound unto

(NAME OF MUNICIPALITY)

in the full and just sum of

(\$

) 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 York

Municipality Dover Township, 2nd Class

Project Number _____

Fed. Project No. _____
(If Applicable)

State of _____

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 _____

**pennsylvania**

DEPARTMENT OF TRANSPORTATION

Dover Township, 2nd Class**MUNICIPALITY****NOTICE OF COMPLETION****IN REFERENCE TO PROJECT #** _____**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.