
RE: [External] 343-659 Saluda Area Access Road-ESG294125011-00

From Harvey, Daniel (P.E.) <daniharvey@pa.gov>

Date Thu 1/29/2026 9:39 AM

To Wible, Laura <lwible@cecinc.com>; Mileto, Chris S <CMILETO@pa.gov>; Staudenmeier, Pete <pstaudenmeier@cecinc.com>; Kendra V. Schiappa <kendraschiappa@penngeneralenergy.com>

Cc Yeakel, Christopher (OG) <cyeakel@pa.gov>; Chambers, Erin <erichamber@pa.gov>; Pflugrath, Julia <jpflugrath@cecinc.com>; Barravecchio, Alexandria <abarravecc@pa.gov>

Hi Laura,

Yes, those cross sections appear to show the construction details for the project.

Thanks,
Dan

Daniel Harvey, P.E. | Environmental Group Manager
Department of Environmental Protection | Eastern Oil and Gas District
Bureau of District Oil and Gas Operations
208 West Third Street Suite 101 | Williamsport PA 17701
Phone: 570.327.3692 | Fax: 570.327.3420
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From: Wible, Laura <lwible@cecinc.com>

Sent: Wednesday, January 28, 2026 5:05 PM

To: Harvey, Daniel (P.E.) <daniharvey@pa.gov>; Mileto, Chris S <CMILETO@pa.gov>; Staudenmeier, Pete <pstaudenmeier@cecinc.com>; Kendra V. Schiappa <kendraschiappa@penngeneralenergy.com>

Cc: Yeakel, Christopher (OG) <cyeakel@pa.gov>; Chambers, Erin <erichamber@pa.gov>; Pflugrath, Julia <jpflugrath@cecinc.com>; Barravecchio, Alexandria <abarravecc@pa.gov>

Subject: RE: [External] 343-659 Saluda Area Access Road-ESG294125011-00

Good afternoon,

We have revised the sections to be in line with your examples. Can you please take a look at the attached examples of our revisions and let me know if this is inline with your expectations for the sections? Thank you in advance for your guidance here!

Laura

Laura Wible, P.E.* | *Principal*
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From: Harvey, Daniel (P.E.) <daniharvey@pa.gov>

Sent: Monday, January 26, 2026 11:14 AM

To: Wible, Laura <lwible@cecinc.com>; Mileto, Chris S <CMILETO@pa.gov>; Staudenmeier, Pete <pstaudenmeier@cecinc.com>; Kendra V. Schiappa <kendraschiappa@penngeneralenergy.com>

Cc: Yeakel, Christopher (OG) <cyeakel@pa.gov>; Chambers, Erin <erichamber@pa.gov>; Pflugrath, Julia <jpflugrath@cecinc.com>; Barravecchio, Alexandria <abarravecc@pa.gov>

Subject: RE: [External] 343-659 Saluda Area Access Road-ESG294125011-00

Hi Laura,

I'm including a few examples of cross sections from recently approved projects to show what we're talking about. Each is from a different consultant and a slightly different project for a little variety. See the screen shots in the attached Word doc. Obviously these are for 105 resources but the level of detail depicts what is proposed on site and should be applied to resource crossings and sensitive areas for this project.

For the French Mattress blurb, a response in a memo, within the alternatives analysis, or within the letter detailing each TD response is fine. The format isn't as important as having the information within the application somewhere. Thank you for the breakdown of alternatives. Can the response be expanded for a couple additional items? The first is that it does not address feasibility of open bottom structures. The second is will the French Mattresses be constructed to allow for the passage of aquatic macroinvertebrates? We often see them constructed as clean stone encapsulated in geotextile.

Thanks,
Dan

Daniel Harvey, P.E. | Environmental Group Manager
Department of Environmental Protection | Eastern Oil and Gas District
Bureau of District Oil and Gas Operations
208 West Third Street Suite 101 | Williamsport PA 17701

From: Wible, Laura <lwible@cecinc.com>

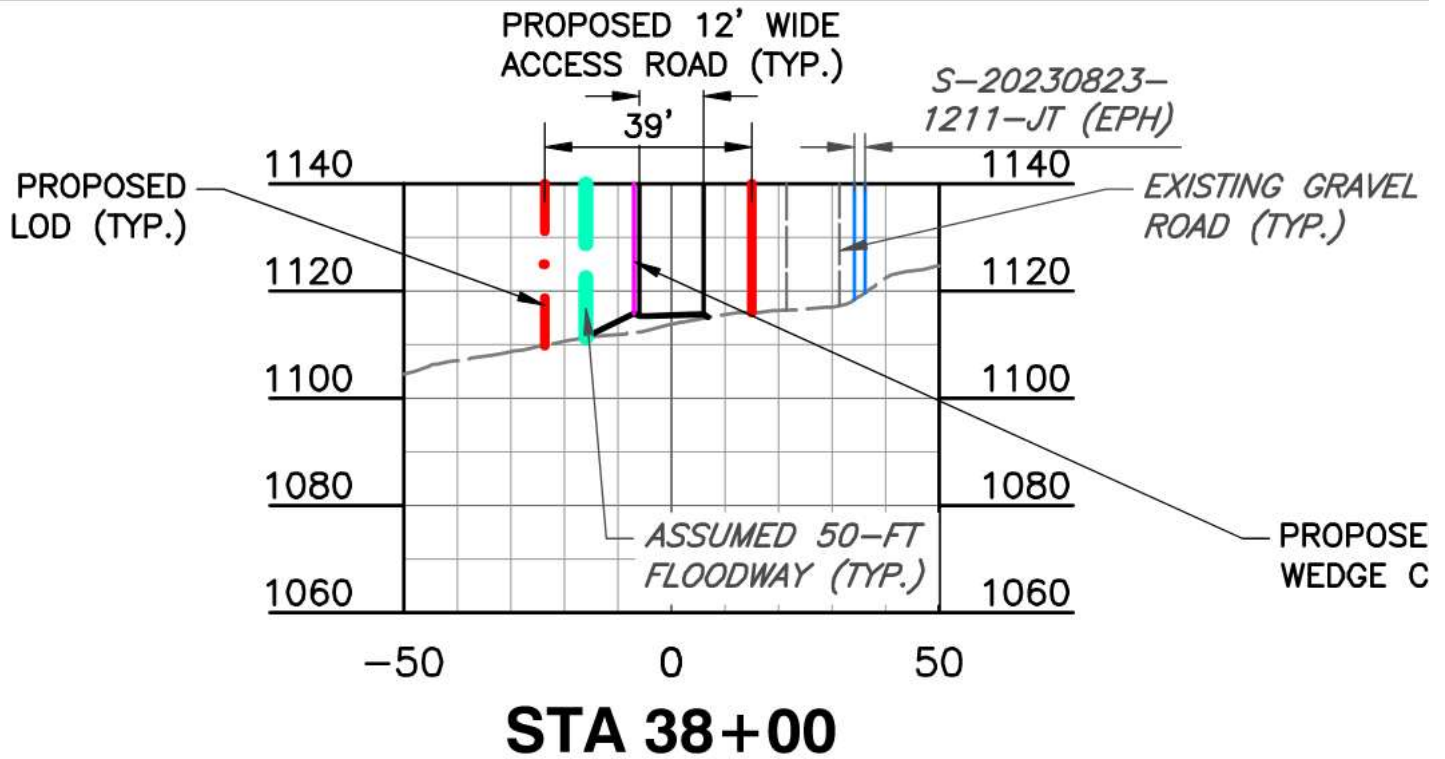
Sent: Friday, January 23, 2026 3:54 PM

To: Mileto, Chris S <CMILETO@pa.gov>; Staudenmeier, Pete <pstaudenmeier@cecinc.com>; Kendra V. Schiappa <kendraschiappa@penngeneralenergy.com>

Cc: Harvey, Daniel (P.E.) <daniharvey@pa.gov>; Yeakel, Christopher (OG) <cyekel@pa.gov>; Chambers, Erin <erichamber@pa.gov>; Pflugrath, Julia <jpflugrath@cecinc.com>

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Thank you, Chris, but I am not sure how large that should be. The sections we included in our responses were 50-scale, which is usually the gold standard for what we provide. These showed the limits of the LOD, the stream, existing and proposed grades, and have elevations associated with them. If you do not have an example you can provide, could we email a draft revised section plan for your review prior to a formal resubmittal? We want to make sure that we are providing what you requested, as I noted in my earlier email. Also, could you please advise on the French Mattress explanation provided below, and comment on whether that is sufficient to be done via memo?



Laura Wible, P.E.* | Principal

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From: Mileto, Chris S <CMILETO@pa.gov>

Sent: Friday, January 23, 2026 3:40 PM

To: Wible, Laura <lwible@cecinc.com>; Staudenmeier, Pete <pstaudenmeier@cecinc.com>; Kendra V. Schiappa <kendraschiappa@penngeneralenergy.com>

Cc: Harvey, Daniel (P.E.) <daniharvey@pa.gov>; Yeakel, Christopher (OG) <cyekel@pa.gov>; Chambers, Erin <erichamber@pa.gov>

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The cross sections of streams and sensitive areas should be at a scale that is capable of showing site specific details such as inlet and outlet elevations, grading and measurements of any associated BMPs, stream profiles and/or ditch cross sections, etc...

Chris Mileto

Chris Mileto | Project Manager

Department of Environmental Protection | Eastern Oil and Gas District

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208 West Third Street Suite 101 | Williamsport PA 17701

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[http://www.dep.pa.gov%0b]www.dep.pa.gov

From: Wible, Laura <lwible@cecinc.com>

Sent: Friday, January 23, 2026 11:31 AM

To: Mileto, Chris S <CMILETO@pa.gov>; Harvey, Daniel (P.E.) <daniharvey@pa.gov>
Subject: [External] 343-659 Saluda Area Access Road-ESG294125011-00

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Good morning, Chris! I have tried to give you a call a few times this week, and I haven't been able to catch you, so I figured I would send an email instead to try and get some guidance on the size/scale of the cross sections you requested. This will add a number of additional pages to the set, so if you could either provide me an example of what you would like to see and at what scale, as well as what level of detail with respect to what all you would like to have shown it would be very helpful for us so that we can get you the information that you want. Since there isn't direct guidance in 102 on this, and we didn't get you what you were looking for last time with our cross sections, and I want to meet the request, I could use a bit of extra help interpreting this comment.

In addition, with respect to the comment on the French mattresses, we were going to provide a memo within the document that noted the following:

1. "Provide a discussion as to the justification for using French mattresses vs open bottom structures" - The purpose of the drop inlets and manholes were to reduce the limits of grading, and thus the impacts to the streams. Due to the high-gradient nature of the streams (i.e., steep slopes), using a culvert without drop inlets and manholes would require raising the road elevation to provide adequate depth of cover over the culvert on the inlet side. In turn, the limits of grading would greatly increase due to the prevailing slopes which would increase the length of the culvert and impacts to the streams. Alternatively, flattening the slopes of the culverts and adding plunge pools on the downstream side presents the same aquatic life passage concerns that the Department had regarding the drop inlets, as the outlet of the pipe would not be embedded six inches as required. Plunge pools also present a significant erosion concern from a stream stability standpoint. Step pool structures to drop the gradient in a less severe manner than the plunge pools were also considered but are not feasible because the structures would have to be constructed into the fill slope of the road to meet the elevation of the pipe outlet. Constructing step pools into the side of a fill slope presents a slope stability concern and threatens the integrity of the road. Therefore, the only alternative without greatly increasing the road's footprint while maintaining aquatic life passage was to use French mattresses. Fish were not observed in the streams proposed to be crossed by French mattresses nor do these streams have suitable fish habitat; therefore, fish passage is not a concern. These streams do, however, support aquatic macroinvertebrate life. Aquatic macroinvertebrates are known to move within the interstitial spaces of the hyporheic zone. Therefore, it is expected that aquatic macroinvertebrates could also move through the interstitial spaces of the French mattress, which maintains a continuous hydrologic connection between the upslope and downslope portions of the streams.

Calculations for the French mattresses were completed and were included in the PDF Saluda AR-ES Calculations_rev1 uploaded to the ES Module, Stream Crossing Calculations start on 276, with the French mattress calculations being provided starting on page 271 of the PDF. In general, the assumptions we made for these calculations were that we took the stream channel depth (from stream delineation forms) and then the stream TOBdepth when inputting this value into the calculation. (If the depth did not provide adequate area, we increased in increments of 5' until the area provided was sufficient to achieve an appropriate factor of safety.

Please feel free to give me a call on my cell at 724-612-0614 to further discuss these two items so that we can be sure to resolve them adequately. Thank you in advance for your assistance! And stay safe during the impending snow!

Laura

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