

Clinton Township Floodplain Administrator P.O. Box 256, Creek Road Factoryville, PA 18419

Re: Atlantic Sunrise Project Central Penn Line North Clinton Township, Wyoming County Floodplain Management Analysis

Dear Sir or Madam:

Transcontinental Gas Pipeline Company, LLC (Transco) proposes to construct and operate the Atlantic Sunrise Project (Project) to provide 1.7 million dekatherms per day of incremental firm transportation of natural gas from the Marcellus Shale production areas in northern Pennsylvania (PA) to its existing market areas, extending to as far south as the Station 85 Pooling Point in Choctaw County, Alabama. The Project includes modifications to the existing Transco Mainline System to reverse the direction of flow, enabling new north-to-south capabilities (bi-directional flow) to transport this new source of natural gas to existing markets. The Project consists of the following primary components within PA:

- Installing greenfield pipeline facilities of approximately 58.6 miles of new 30-inch-diameter pipe from Susquehanna County, PA to Columbia County, PA.
- Installing greenfield pipeline facilities of approximately 127.3 miles of 42-inch-diameter pipe from Columbia County, PA to Lancaster County, PA.;
- Installing two pipeline loops (pipeline laid parallel to existing facilities):
 - o 8.56 miles of 42-inch pipeline loop located in Lycoming County, PA known as the Unity Loop;
 - o 2.50 miles of 36-inch pipeline in Clinton County, PA, known as the Chapman Loop:
- Constructing two new compressor stations, one in Wyoming County and one in Columbia County, PA;
- Additional ancillary facilities, such as mainline valves, cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers;
- Two new meter stations and three new regulator stations with interconnecting piping;
- Additional compression and related modifications to one existing compressor station; and,
- Modification to an existing meter station for use of shared facilities with a new meter station.

Transco's consultants, BL Companies and TRC Solutions (TRC), have completed an analysis of potential impacts on FEMA delineated floodways from the Project in accordance with 25 Pa. Code § 105.13. The analysis for Clinton Township is provided below for your review and comment.

ATLANTIC SUNRISE PROJECT FEMA FLOODPLAIN CROSSINGS CLINTON TOWNSHIP, WYOMING COUNTY, PENNSYLVANIA

Description of Impact	Structure Type and Dimensions	Resource ID	Resource Name	Chapter 93 Classification, Wetland Classification (EV or Other), or Floodway Type	Floodway Fill (cu. yds.)	Impact area (acres)		- Latitude	Longitude
						Temporary	Permanent		Dongitude
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T19- 20005	Floodway to Trout Brook	FEMA Detailed	N/A	0.0993	0.0092	41.55036	-75.82332
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T14- 20003	Floodway to UNT South Branch Tunkhannock Creek	FEMA Detailed	N/A	1.1702	0.0571	41.56393	-75.80648

The floodway crossings listed above are depicted on the enclosed plans from the Project's PADEP Chapter 105 Permit Application.

Please note that construction activities are not expected to create permanent loss of flood storage capacity or hydraulic capacity, as all pre-construction surface elevations will be re-established during restoration. The temporary and permanent impacts noted above are associated with vegetation management and underground pipe installation only, and do not represent a permanent modification of ground elevation or loss of flood storage capacity or hydraulic capacity. No structures are proposed within the FEMA 100-year floodplain, no fill will be placed in the floodways, and no increase in 100-year flood elevation is anticipated as a result of the proposed Project.

On behalf of Transco, BL and TRC respectfully request that Clinton Township review this analysis and, if applicable, provide comments to:

Steve Crescenzo TRC Environmental Corporation 2200 Liberty Avenue, Suite 100 Pittsburgh, PA 15222

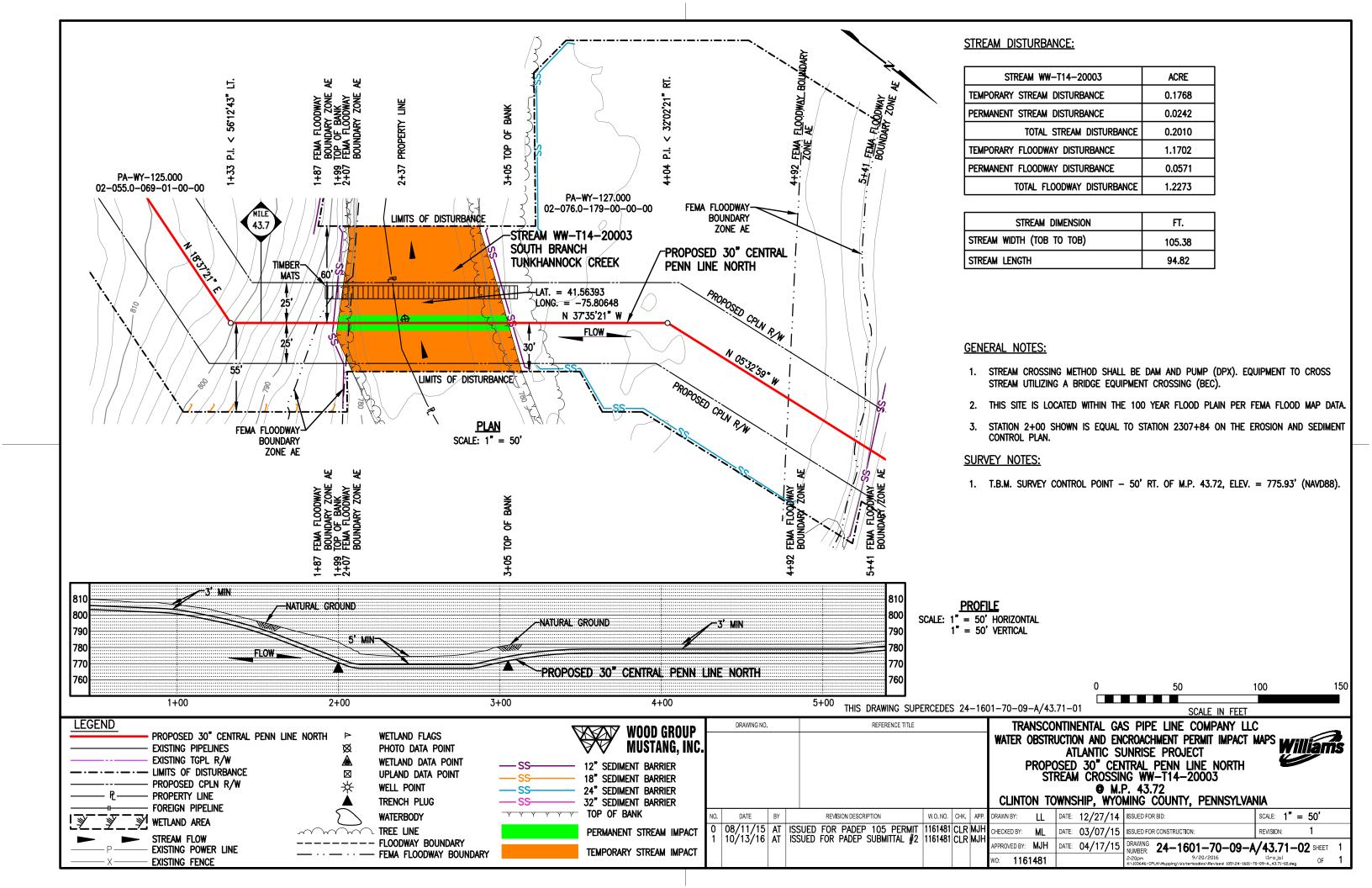
<u>Please do not send comments directly to the PADEP</u>, as we must include them with our permit application. Should you have any questions or concerns regarding this notification, please contact Al Busher at (717)-651-9850 or via email at abusher@blcompanies.com.

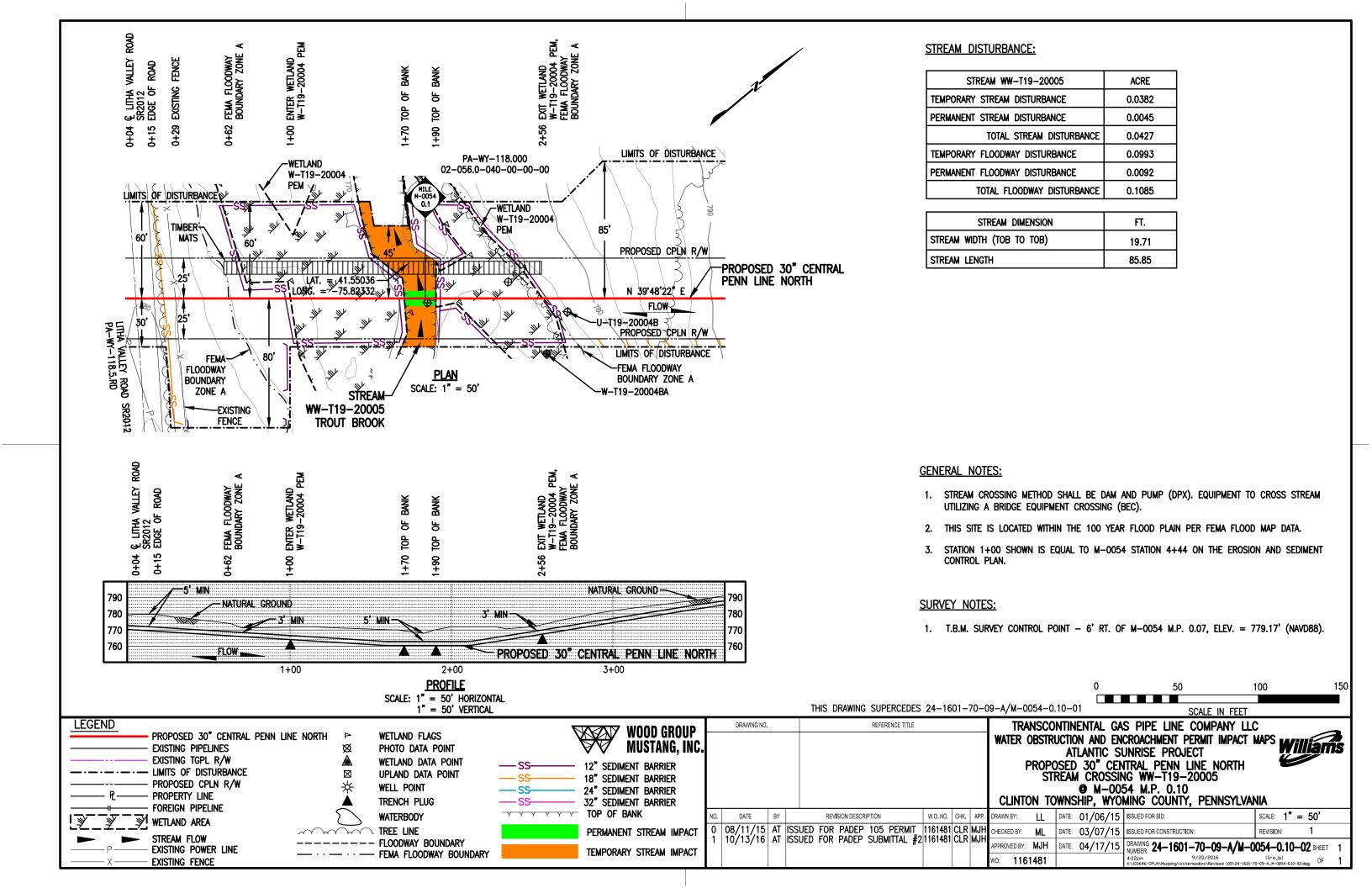
Sincerely,

Alaric J. Busher, PE Senior Engineer

Enclosures: Water Obstruction and Encroachment Permit Impact Maps

Clinton Township October 26, 2016 BL Project No. 14C4909 Page 2 of 2







Eaton Township Floodplain Administrator 1331 Hunter Highway P.O. Box 476 Tunkhannock, PA 18657

Re: Atlantic Sunrise Project Central Penn Line North Eaton Township, Wyoming County Floodplain Management Analysis

Dear Sir or Madam:

Transcontinental Gas Pipeline Company, LLC (Transco) proposes to construct and operate the Atlantic Sunrise Project (Project) to provide 1.7 million dekatherms per day of incremental firm transportation of natural gas from the Marcellus Shale production areas in northern Pennsylvania (PA) to its existing market areas, extending to as far south as the Station 85 Pooling Point in Choctaw County, Alabama. The Project includes modifications to the existing Transco Mainline System to reverse the direction of flow, enabling new north-to-south capabilities (bi-directional flow) to transport this new source of natural gas to existing markets. The Project consists of the following primary components within PA:

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- Two new meter stations and three new regulator stations with interconnecting piping;
- Additional compression and related modifications to one existing compressor station; and,
- Modification to an existing meter station for use of shared facilities with a new meter station.

Transco's consultants, BL Companies and TRC Solutions (TRC), have completed an analysis of potential impacts on FEMA delineated floodways from the Project in accordance with 25 Pa. Code § 105.13. The analysis for Eaton Township is provided below for your review and comment.

ATLANTIC SUNRISE PROJECT FEMA FLOODPLAIN CROSSINGS EATON TOWNSHIP, WYOMING COUNTY, PENNSYLVANIA

Description of Impact	Structure Type and Dimensions	Resource ID	Resource Name	Chapter 93 Classification, Wetland Classification (EV or Other), or Floodway Type	Floodway Fill (cu. yds.)	Impact area (acres)		Latitude	Longitude
						Temporary	Permanent		
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T21- 19001	Floodway to Susquehanna River	FEMA Detailed ¹	N/A	2.0395	0.0958	41.48052	-75.90543

Notes:

The floodway crossing listed above is depicted on the enclosed plans from the Project's PADEP Chapter 105 Permit Application.

Please note that construction activities are not expected to create permanent loss of flood storage capacity or hydraulic capacity, as all pre-construction surface elevations will be re-established during restoration. The temporary and permanent impacts noted above are associated with vegetation management and underground pipe installation only, and do not represent a permanent modification of ground elevation or loss of flood storage capacity or hydraulic capacity. No structures are proposed within the FEMA 100-year floodplain, no fill will be placed in the floodways, and no increase in 100-year flood elevation is anticipated as a result of the proposed Project.

On behalf of Transco, BL and TRC respectfully request that Eaton Township review this analysis and, if applicable, provide comments to:

Steve Crescenzo TRC Environmental Corporation 2200 Liberty Avenue, Suite 100 Pittsburgh, PA 15222

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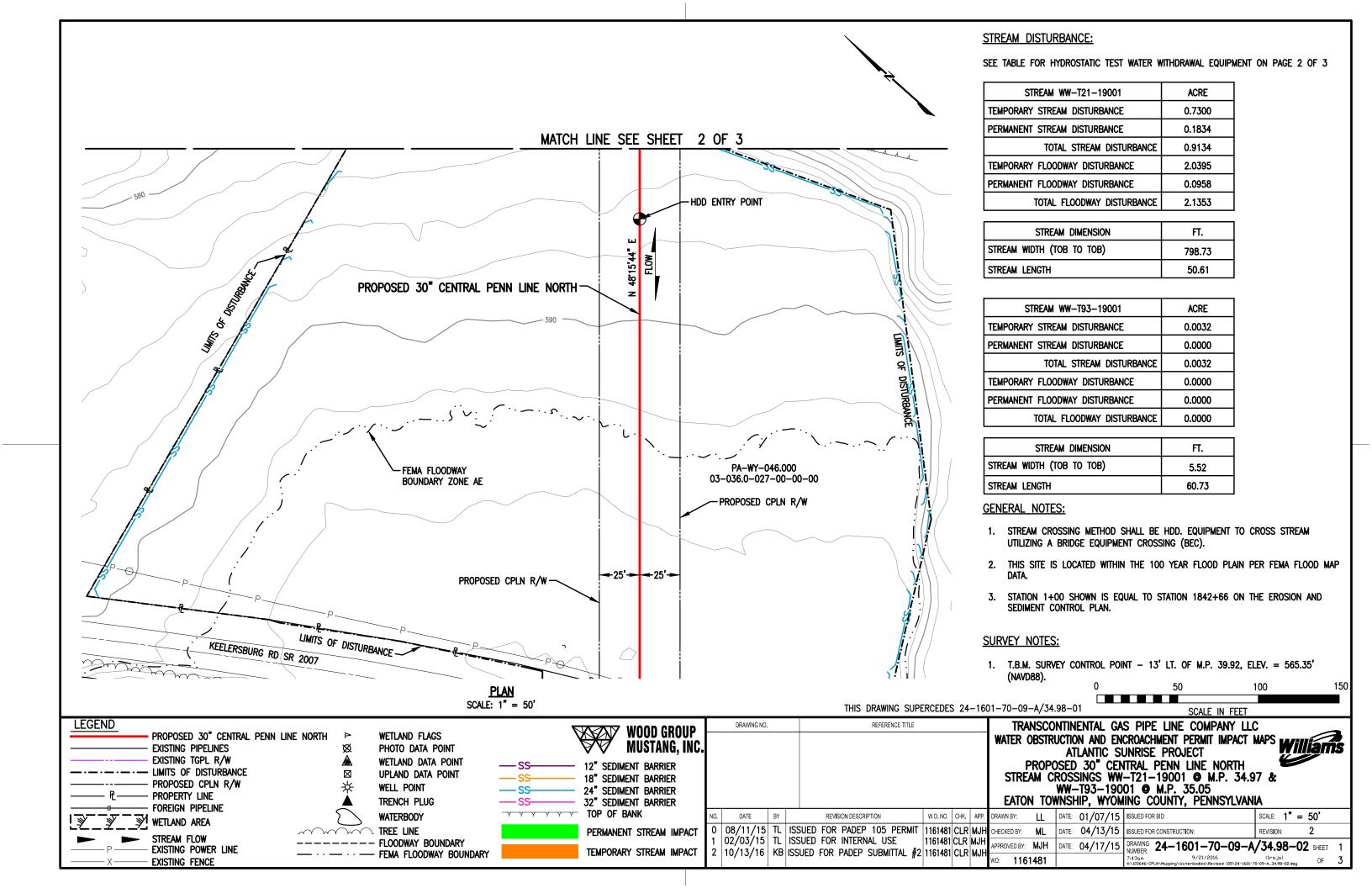
Sincerely,

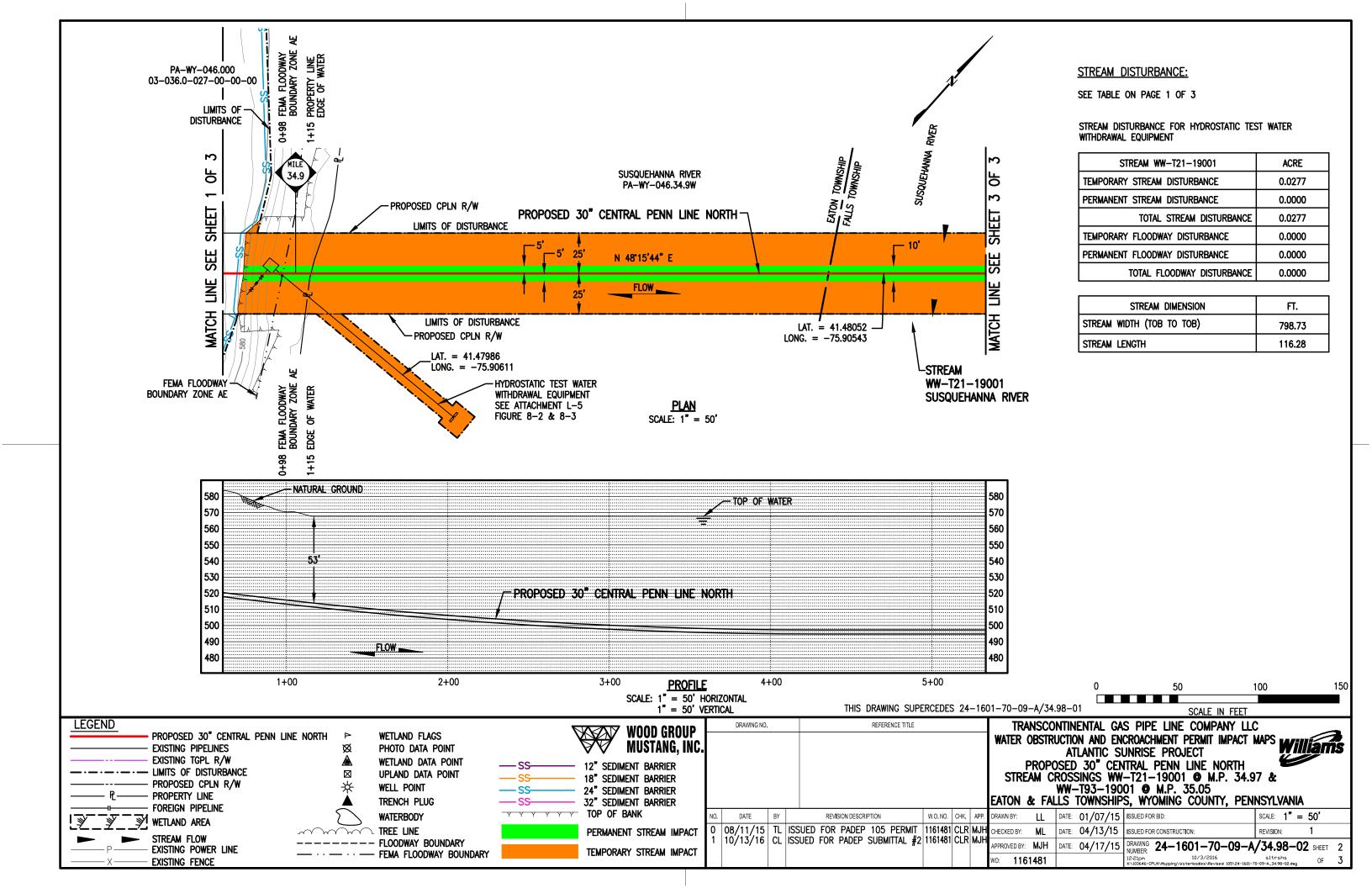
Alaric J. Busher, PE Senior Engineer

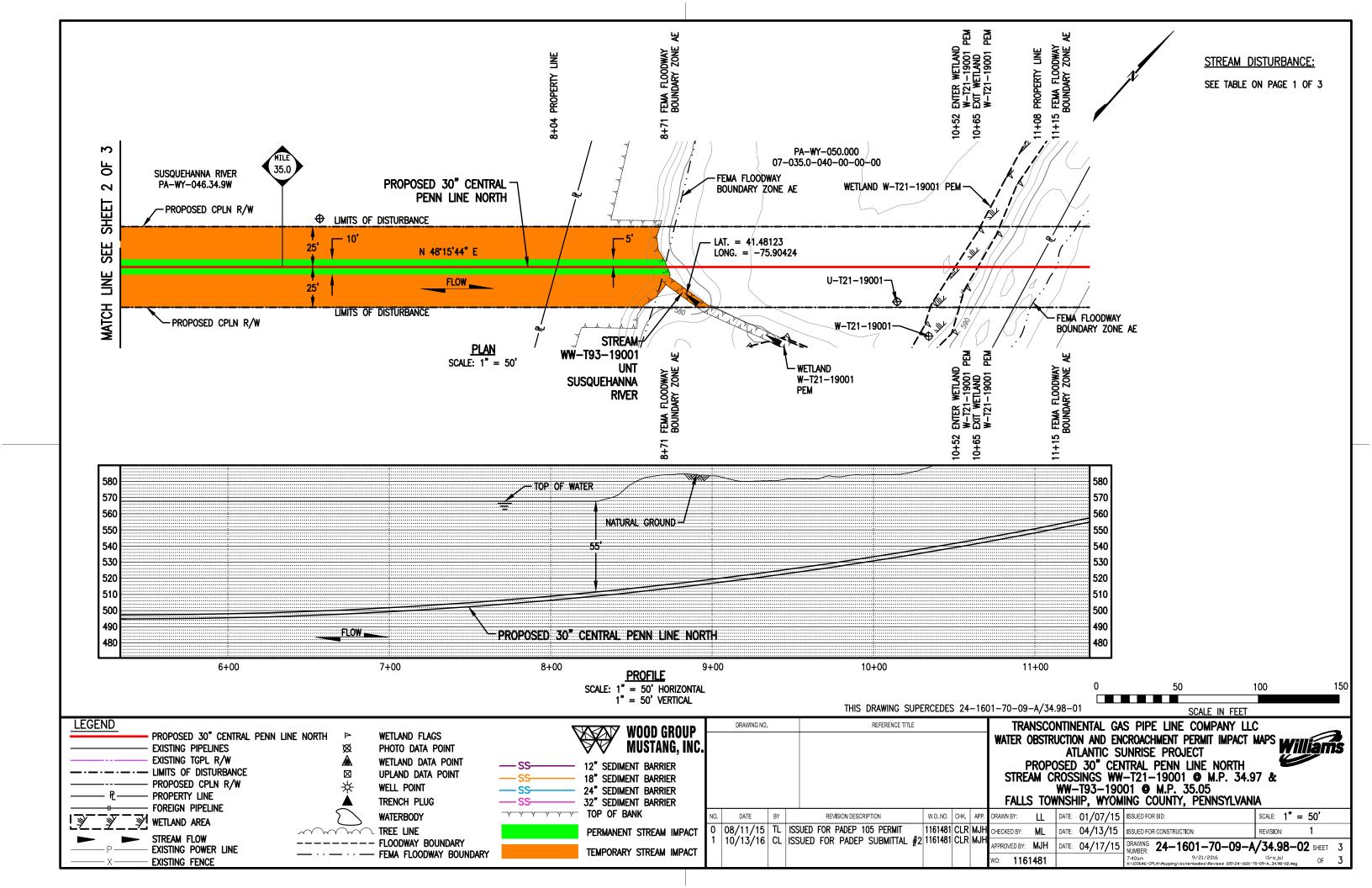
Enclosures: Water Obstruction and Encroachment Permit Impact Maps

Eaton Township October 26, 2016 BL Project No. 14C4909 Page 2 of 2

¹ Multiple streams are included in these calculations as the floodways overlap.









Nicholson Township Floodplain Administrator 90 Padula Road Tunkhannock, PA 18657

Re: Atlantic Sunrise Project Central Penn Line North Nicholson Township, Wyoming County Floodplain Management Analysis

Dear Sir or Madam:

Transcontinental Gas Pipeline Company, LLC (Transco) proposes to construct and operate the Atlantic Sunrise Project (Project) to provide 1.7 million dekatherms per day of incremental firm transportation of natural gas from the Marcellus Shale production areas in northern Pennsylvania (PA) to its existing market areas, extending to as far south as the Station 85 Pooling Point in Choctaw County, Alabama. The Project includes modifications to the existing Transco Mainline System to reverse the direction of flow, enabling new north-to-south capabilities (bi-directional flow) to transport this new source of natural gas to existing markets. The Project consists of the following primary components within PA:

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- Two new meter stations and three new regulator stations with interconnecting piping;
- Additional compression and related modifications to one existing compressor station; and,
- Modification to an existing meter station for use of shared facilities with a new meter station.

Transco's consultants, BL Companies and TRC Solutions (TRC), have completed an analysis of potential impacts on FEMA delineated floodways from the Project in accordance with 25 Pa. Code § 105.13. The analysis for Nicholson Township is provided below for your review and comment.

ATLANTIC SUNRISE PROJECT FEMA FLOODPLAIN CROSSINGS NICHOLSON TOWNSHIP, WYOMING COUNTY, PENNSYLVANIA

Description of Impact	Structure Type and Dimensions	Resource ID	Resource Name	Chapter 93 Classification, Wetland Classification (EV or Other), or Floodway Type	Floodway Fill (cu. yds.)	Impact area (acres)		Latitude	Longitude
						Temporary	Permanent		
Utility Pipeline	Equipment Access and E&S	WW-T54-	Floodway to Tunkhannock	FEMA Detailed	N/A	4.1235	0.3523	41.62682	-75.76035

Crossing

21001

Creek

E&S

Controls

The floodway crossing listed above is depicted on the enclosed plans from the Project's PADEP Chapter 105 Permit Application.

Detailed

Please note that construction activities are not expected to create permanent loss of flood storage capacity or hydraulic capacity, as all pre-construction surface elevations will be re-established during restoration. The temporary and permanent impacts noted above are associated with vegetation management and underground pipe installation only, and do not represent a permanent modification of ground elevation or loss of flood storage capacity or hydraulic capacity. No structures are proposed within the FEMA 100-year floodplain, no fill will be placed in the floodways, and no increase in 100-year flood elevation is anticipated as a result of the proposed Project.

On behalf of Transco, BL and TRC respectfully request that Nicholson Township review this analysis and, if applicable, provide comments to:

> Steve Crescenzo TRC Environmental Corporation 2200 Liberty Avenue, Suite 100 Pittsburgh, PA 15222

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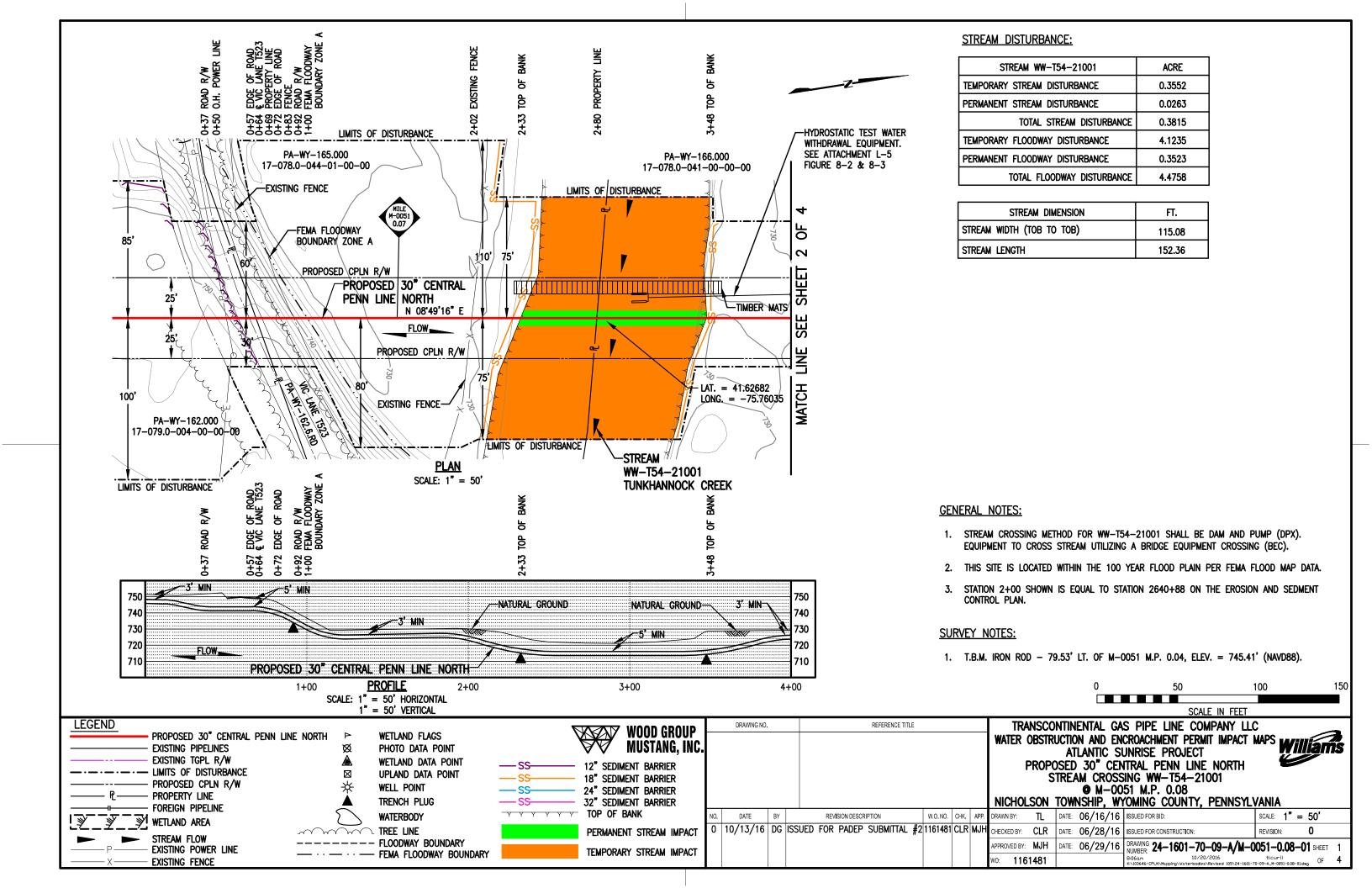
Sincerely,

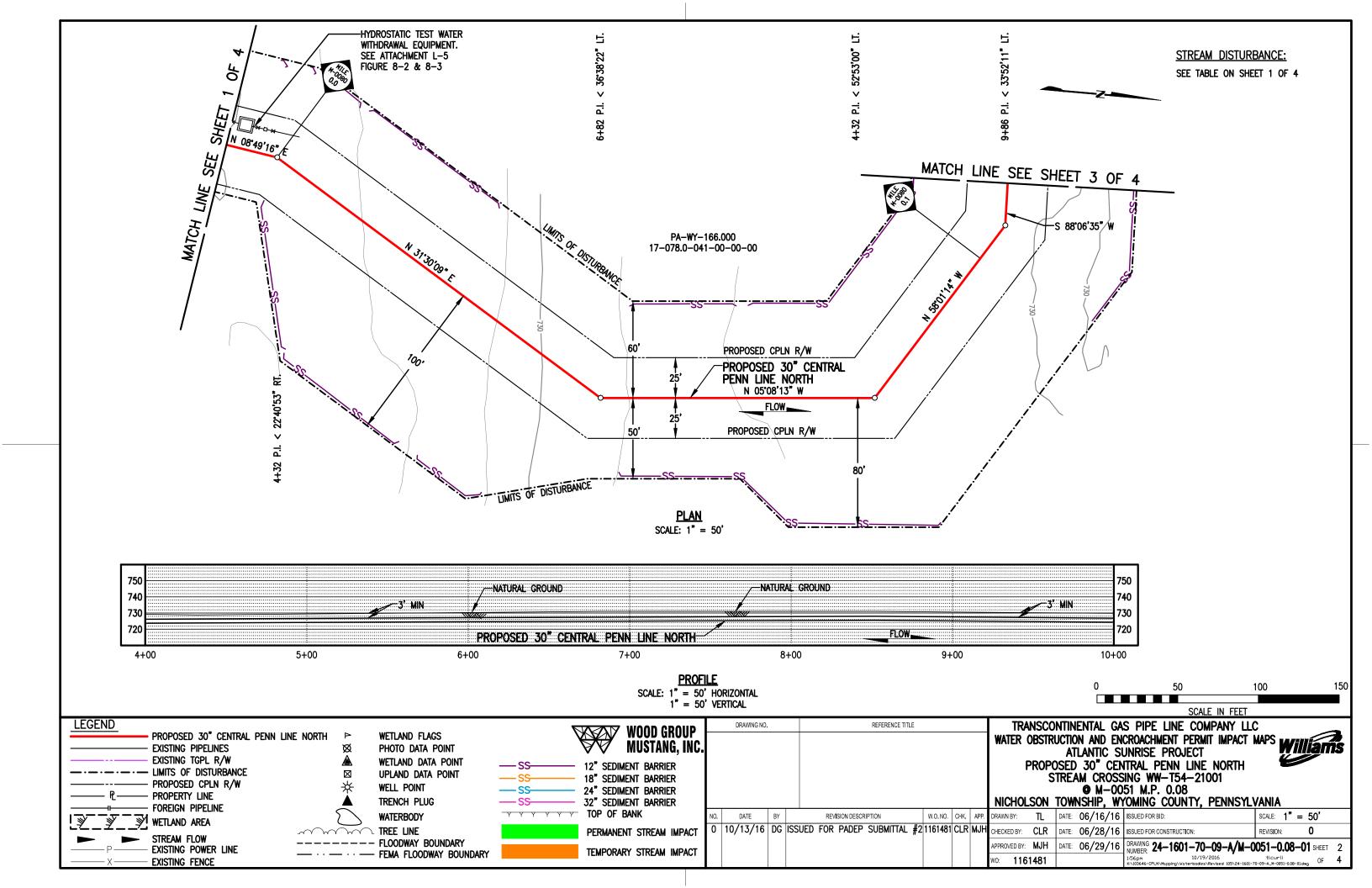
Alaric J. Busher, PE

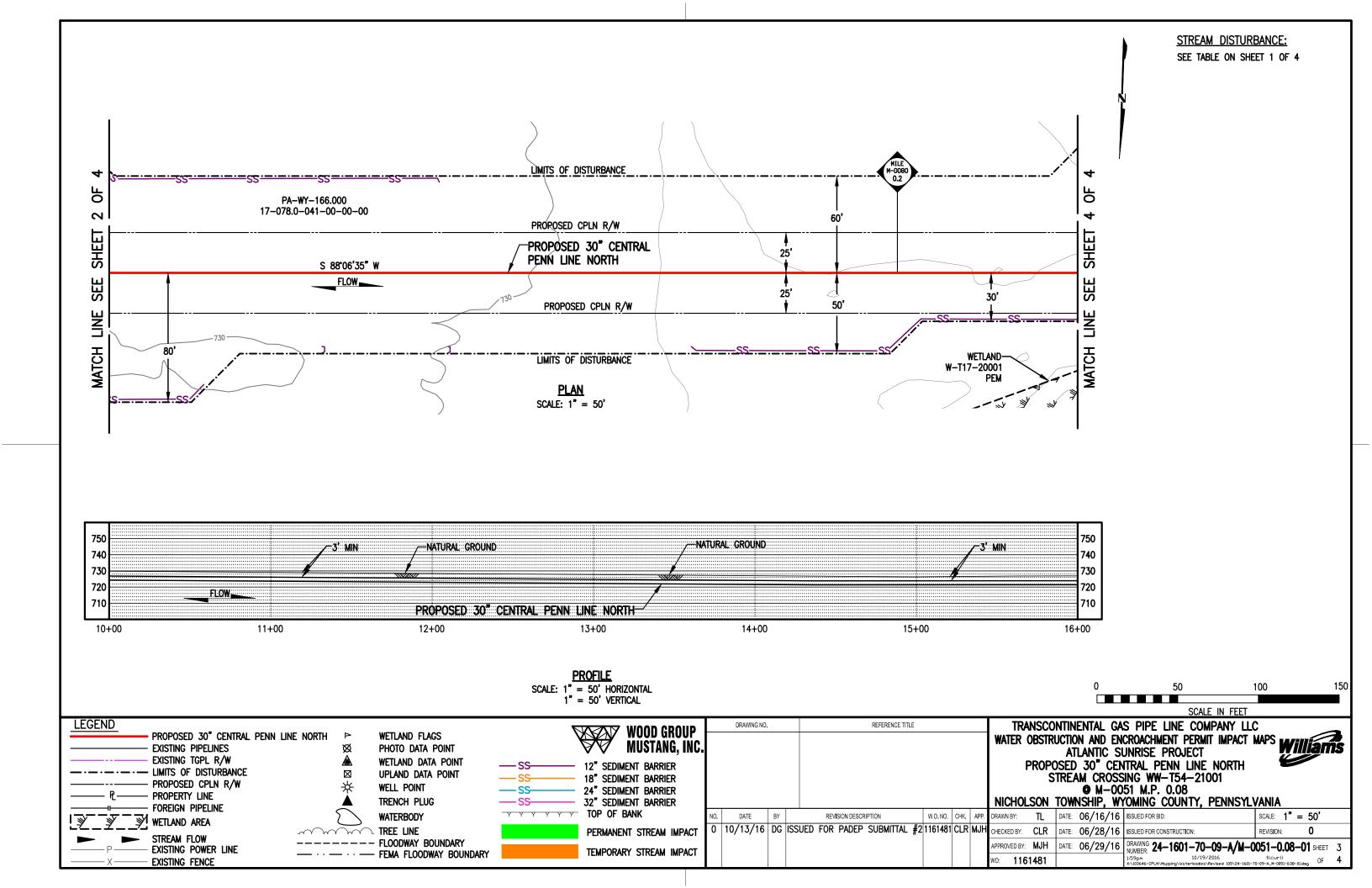
Senior Engineer

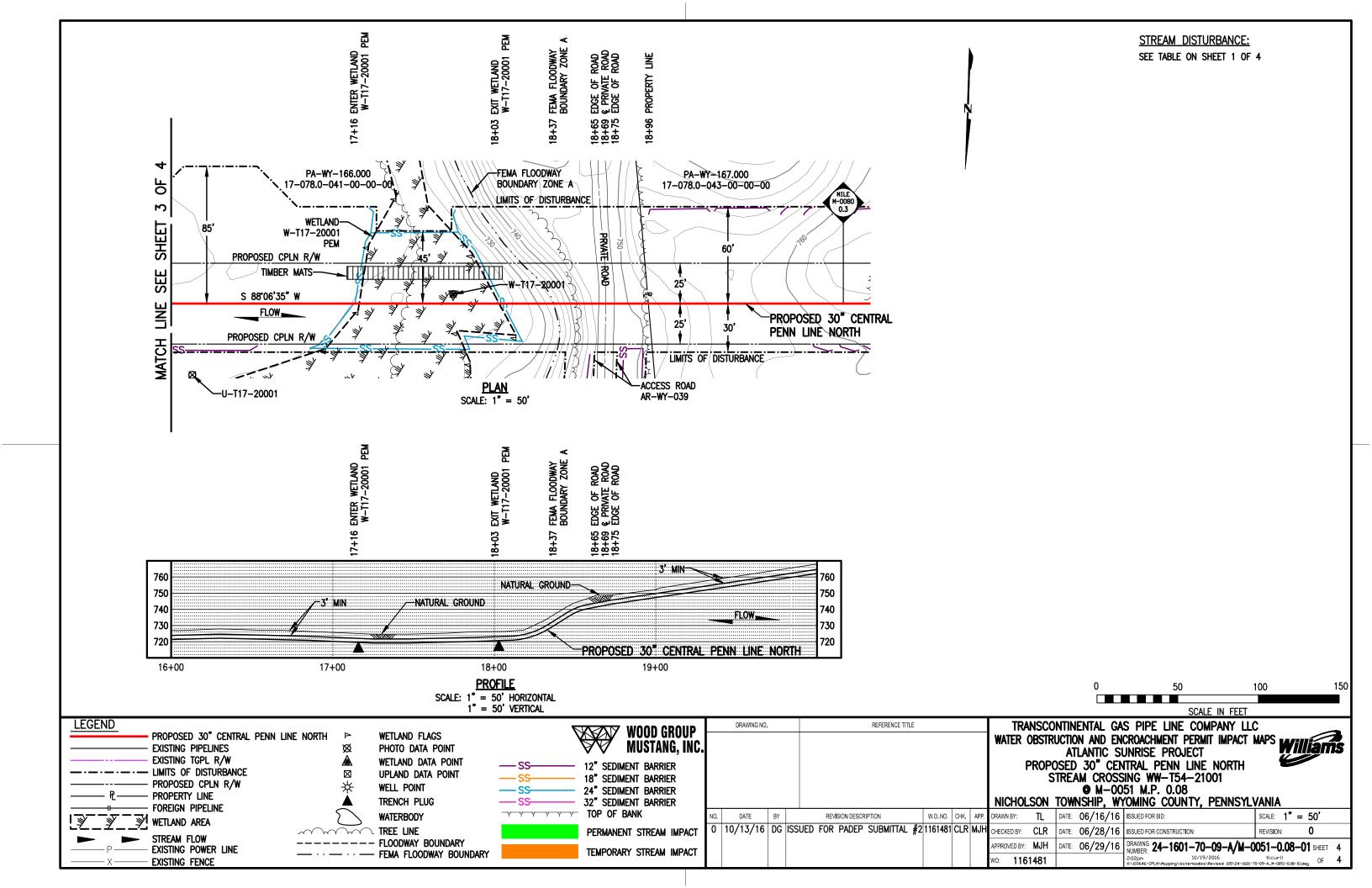
Water Obstruction and Encroachment Permit Impact Maps **Enclosures:**

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Northmoreland Township Floodplain Administrator 15 Municipal Lane Dallas, PA 18612

Re: Atlantic Sunrise Project Central Penn Line North Northmoreland Township, Wyoming County Floodplain Management Analysis

Dear Sir or Madam:

Transcontinental Gas Pipeline Company, LLC (Transco) proposes to construct and operate the Atlantic Sunrise Project (Project) to provide 1.7 million dekatherms per day of incremental firm transportation of natural gas from the Marcellus Shale production areas in northern Pennsylvania (PA) to its existing market areas, extending to as far south as the Station 85 Pooling Point in Choctaw County, Alabama. The Project includes modifications to the existing Transco Mainline System to reverse the direction of flow, enabling new north-to-south capabilities (bi-directional flow) to transport this new source of natural gas to existing markets. The Project consists of the following primary components within PA:

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- Modification to an existing meter station for use of shared facilities with a new meter station.

Transco's consultants, BL Companies and TRC Solutions (TRC), have completed an analysis of potential impacts on FEMA delineated floodways from the Project in accordance with 25 Pa. Code § 105.13. The analysis for Northmoreland Township is provided below for your review and comment.

ATLANTIC SUNRISE PROJECT FEMA FLOODPLAIN CROSSINGS NORTHMORELAND TOWNSHIP, WYOMING COUNTY, PENNSYLVANIA

Description of Impact	Structure Type and Dimensions	Resource ID	Resource Name	Chapter 93 Classification, Wetland Classification (EV or Other), or Floodway Type	Floodway Fill (cu. yds.)	Impact area (acres)		Latitude	Longitude
						Temporary	Permanent		
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T05- 18001	Floodway to Mill Creek	FEMA Detailed ¹	N/A	0.8285	0.1110	41.43833	-75.93058

Notes:

The floodway crossing listed above is depicted on the enclosed plans from the Project's PADEP Chapter 105 Permit Application.

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Sincerely,

Alaric J. Busher, PE Senior Engineer

Enclosures: Water Obstruction and Encroachment Permit Impact Maps

Northmoreland Township October 26, 2016 BL Project No. 14C4909 Page 2 of 2

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