Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application Transcontinental Gas Pipe Line Company, LLC Susquehanna County

## ATTACHMENT O -1 FLOODPLAIN ANALYSIS AND CONSISTENCY

Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application Transcontinental Gas Pipe Line Company, LLC Susquehanna County

Please refer to Attachment C of this application for copies of the letters and consistency requests which have been sent to each County and Municipality. Floodplain management analysis letters that have been provided to the County / Municipality, as well as any concurrence letters received at the time of the application submittal, have been included in this section. Additional concurrence letters will be provided upon receipt; however, because this Project is subject to the jurisdiction of the Federal Energy Regulatory Commission (FERC) under the Natural Gas Act, FERC has exclusive jurisdiction over siting. Therefore, local zoning is preempted.



October 12, 2016

Lenox Township Floodplain Administrator 222 S.R. 2016 Nicholson, PA 18446

Re: Atlantic Sunrise Project Central Penn Line North Lenox Township, Susquehanna 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 Lenox Township is provided below for your review and comment.

## ATLANTIC SUNRISE PROJECT FEMA FLOODPLAIN CROSSINGS LENOX TOWNSHIP, SUSQUEHANNA 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-T12- 21001	Floodway to Willow Brook	FEMA Detailed	N/A	0.0193	0.0041	41.66190	-75.74886
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T50- 21002	Floodway to Millard Creek	FEMA Detailed	N/A	0.1442	0.0201	41.68174	-75.3312
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T92- 21009A	Floodway to UNT to Tower Branch	FEMA Detailed <sup>1</sup>	N/A	0.0079	0.0015	41.69599	-75.71742
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T48- 21001	Floodway to UNT to Tower Branch	FEMA Detailed <sup>1</sup>	N/A	0.0301	0.0029	41.71033	-75.70767

Notes:

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 Lenox Township review this analysis and, if applicable, provide comments to:

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

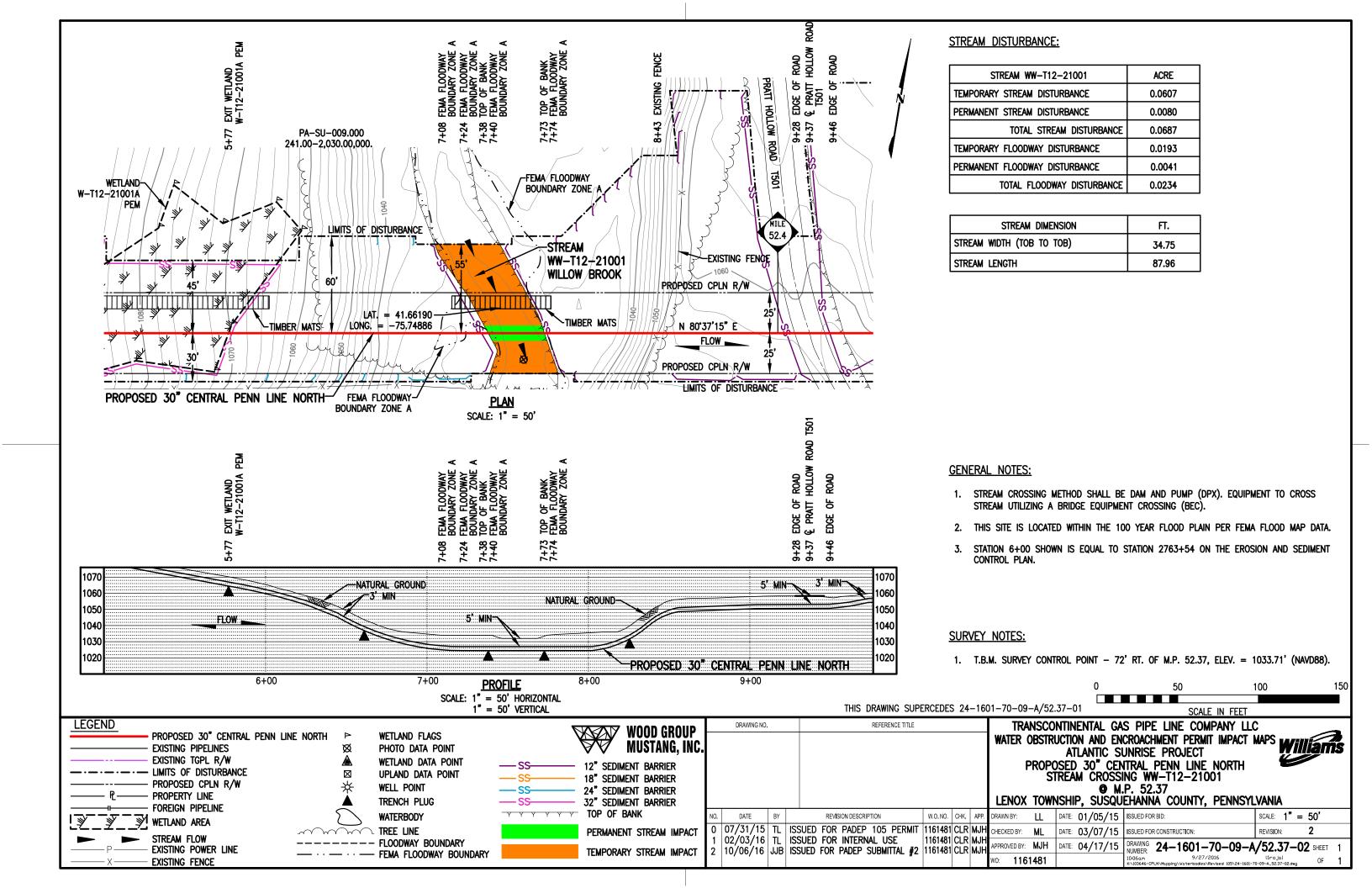
<u>Please do not send comments directly to the PADEP</u>, as we must include them with our permit application. Should you have any questions or concerns regarding this notification, please contact Al Busher at (717) 651-9850 or via email at abusher@blcompanies.com.

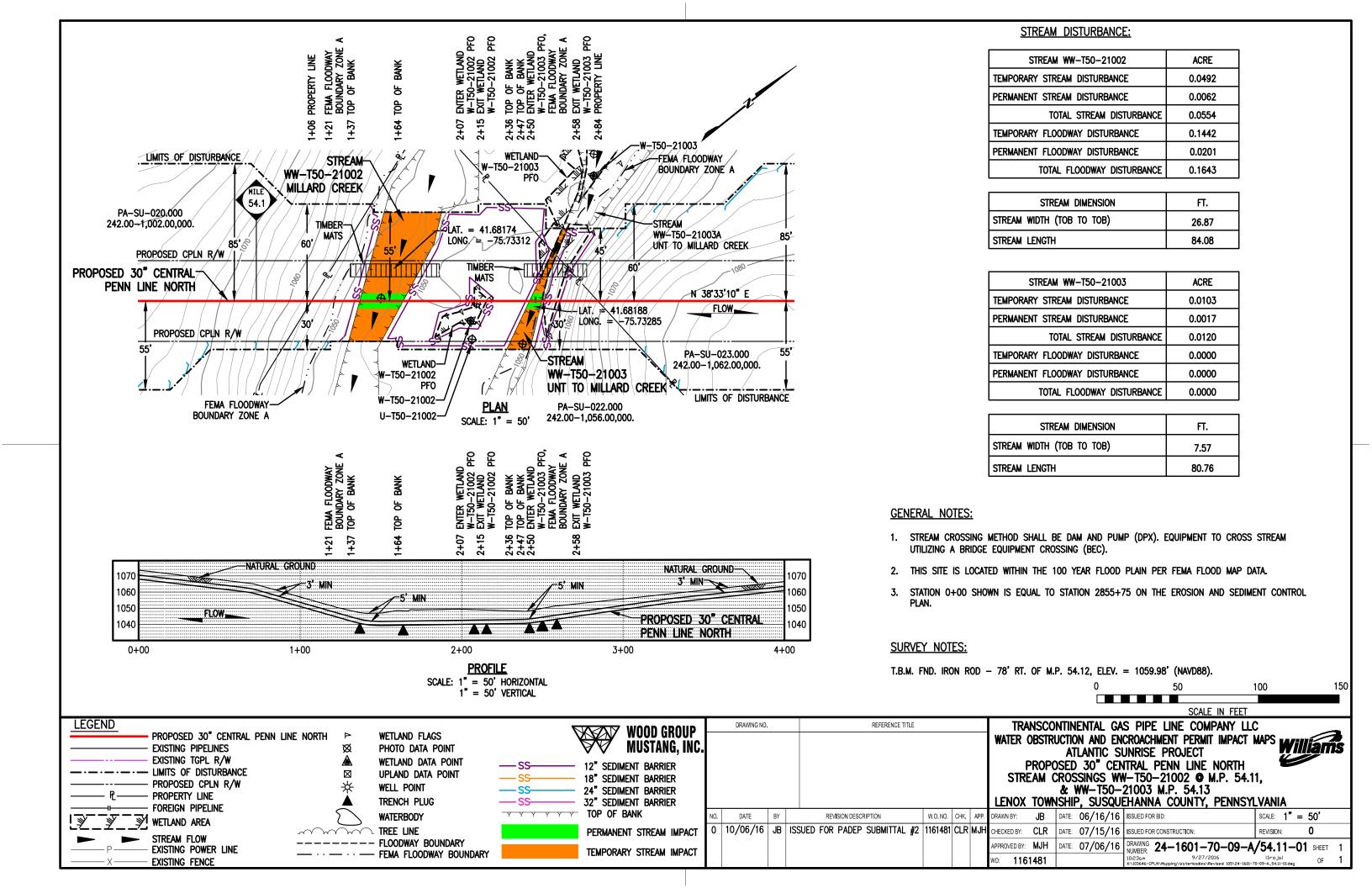
Sincerely,

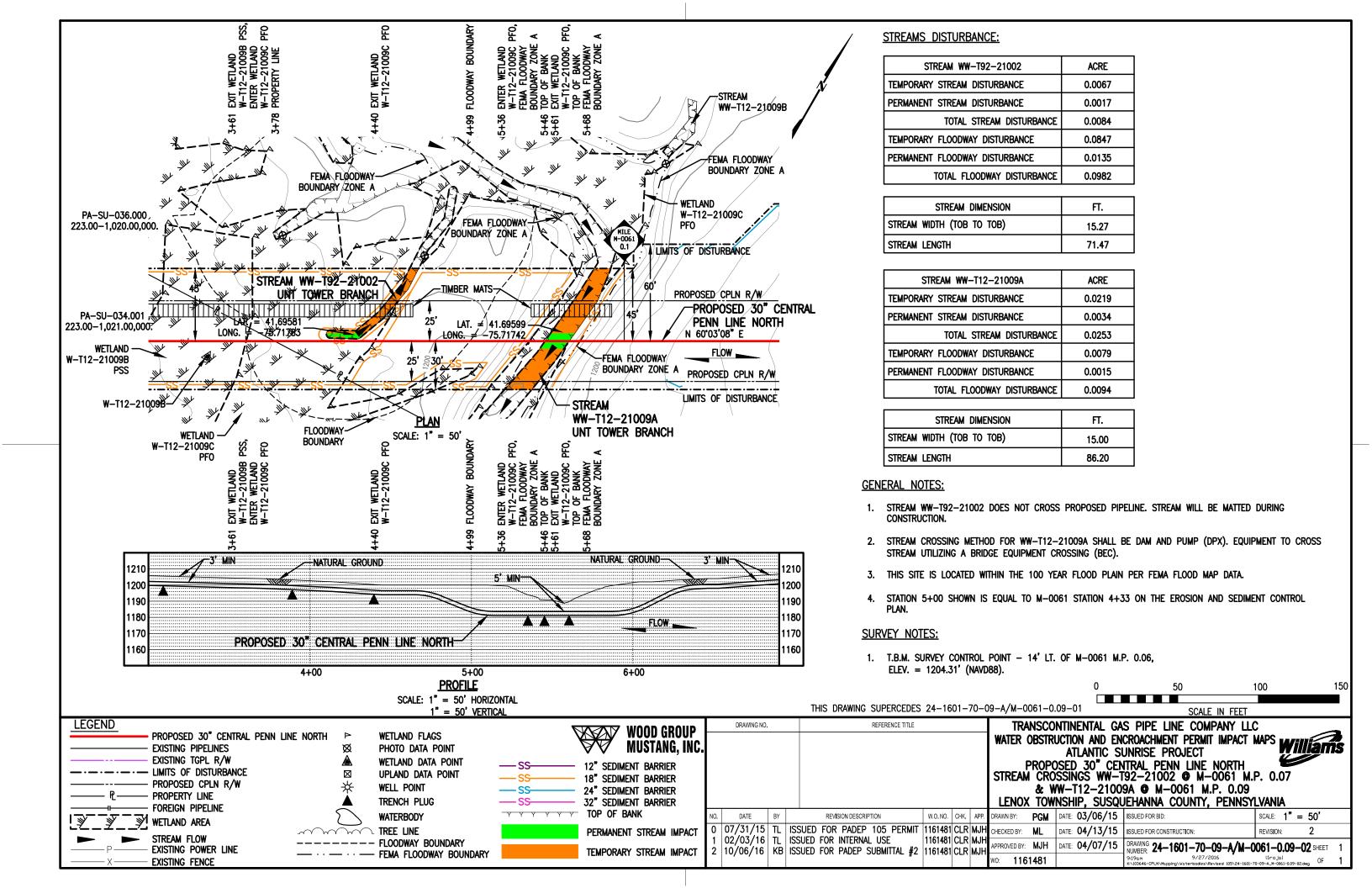
Alaric J. Busher, PE Senior Engineer

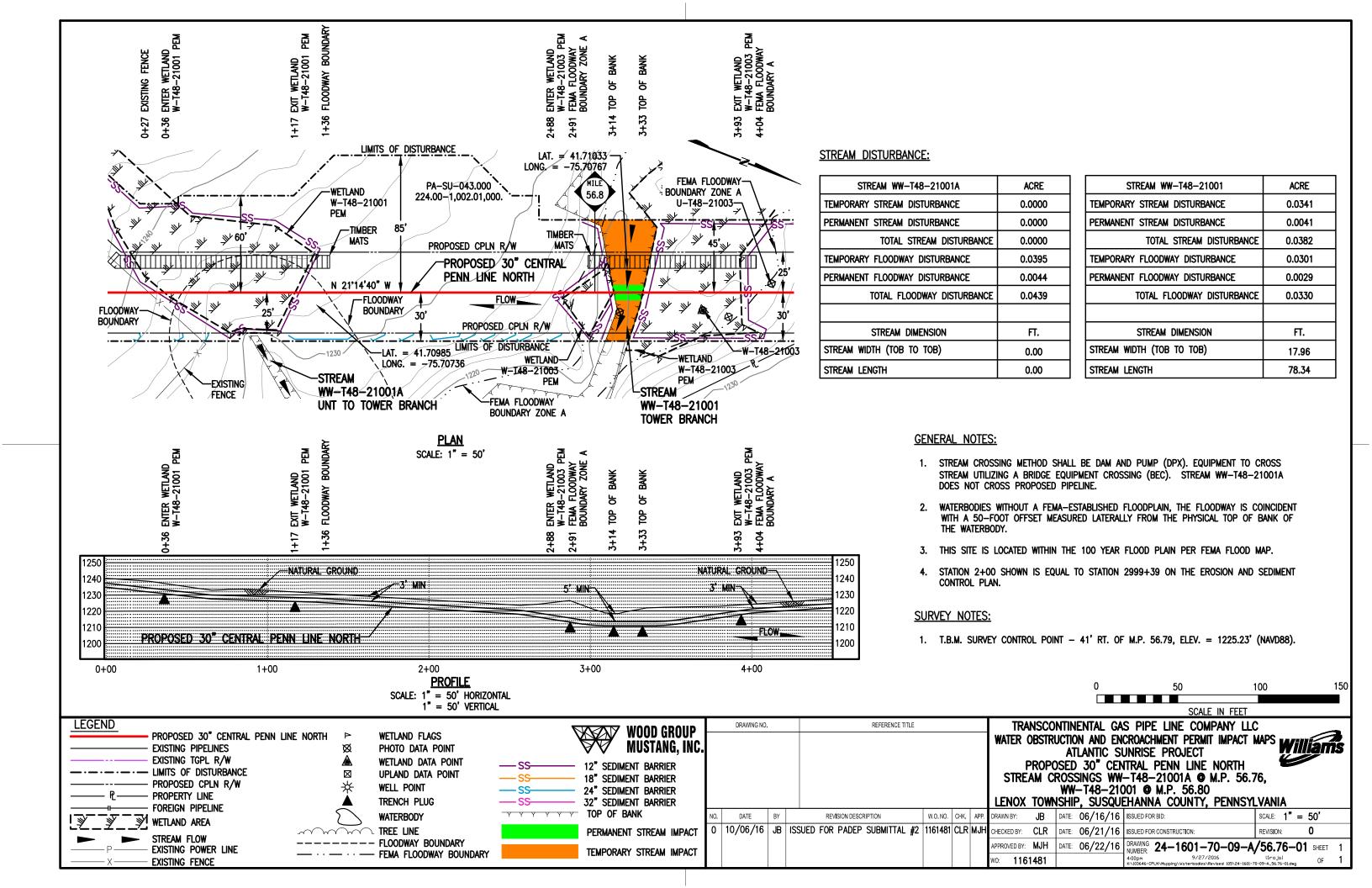
Enclosures: Water Obstruction and Encroachment Permit Impact Maps

<sup>&</sup>lt;sup>1</sup> Multiple streams are included in these calculations as the floodways overlap.











October 17,2016

Dear Customer:

The following is the proof-of-delivery for tracking number 690511408512.

**Delivery Information:** 

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Signed for by: Signature not required Delivery location: 222 STATE ROUTE 2016

Delivery date:

NICHOLSON, PA 18446

Oct 14, 2016 14:59

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NO SIGNATURE REQUIRED

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NICHOLSON, PA 18446 US

Reference

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