

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

**ATTACHMENT O -1
FLOODPLAIN ANALYSIS AND CONSISTENCY**

*Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application
Transcontinental Gas Pipeline Company, LLC
Lebanon 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 28, 2016

East Hanover Township
Floodplain Administrator
1117 School House Road
Annville, PA 17003

Re: Atlantic Sunrise Project
Central Penn Line South
East Hanover Township, Lebanon 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):
 - 8.56 miles of 42-inch pipeline loop located in Lycoming County, PA known as the Unity Loop;
 - 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 East Hanover Township is provided below for your review and comment.

East Hanover Township
October 28, 2016
BL Project No. 14C4909
Page 1 of 2

**ATLANTIC SUNRISE PROJECT
FEMA FLOODPLAIN CROSSINGS
EAST HANOVER TOWNSHIP, LEBANON 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-T14-5006	Floodway to Swatara Creek	FEMA Detailed	N/A	1.7411	0.0870	40.36975	-76.53528

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, underground pipe installation, and temporary contractor staging area use 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 East Hanover Township review this analysis and, if applicable, provide comments to:

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

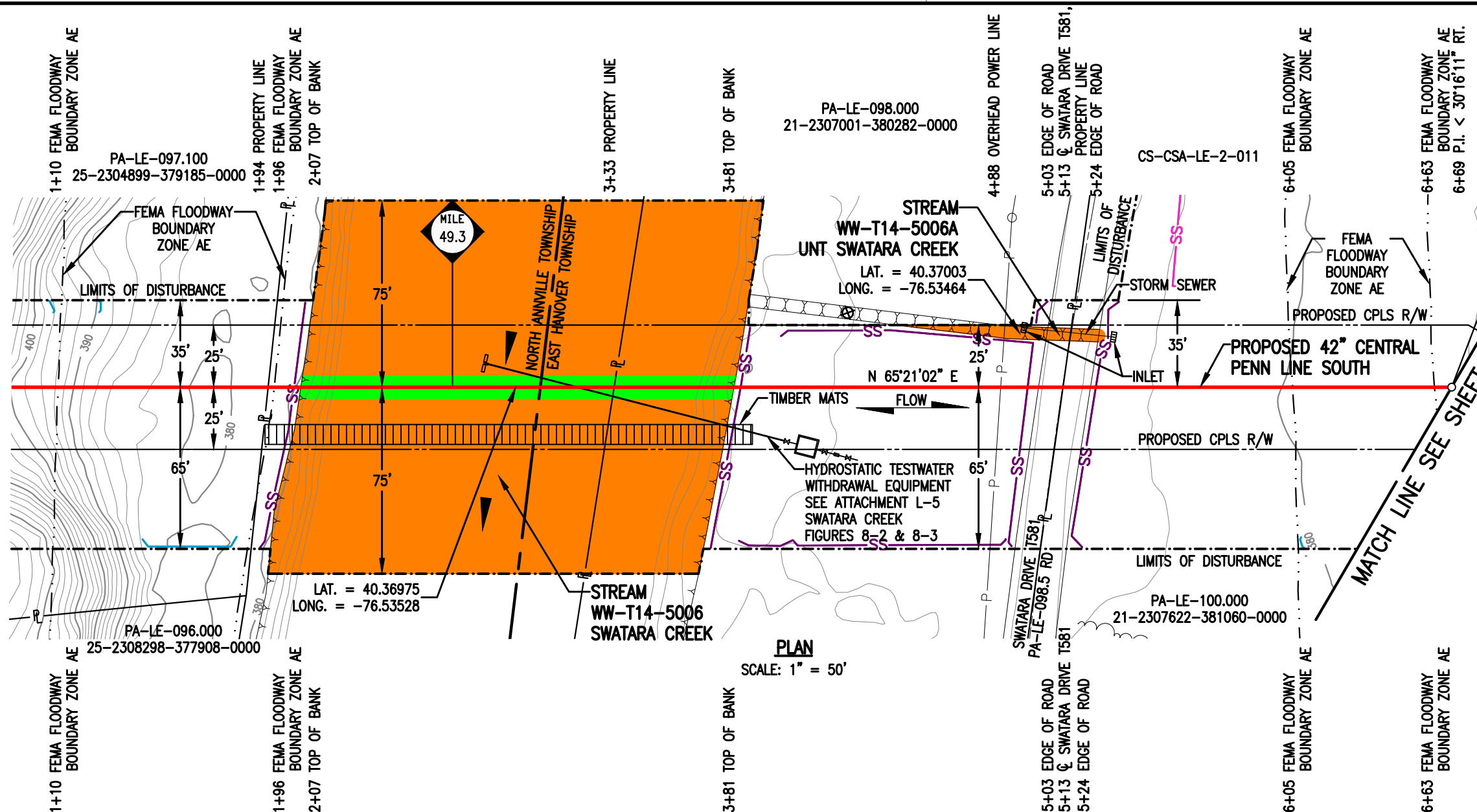
Please do not send comments directly to the PADEP, as we must include them with our permit application. Should you have any questions or concerns regarding this notification, please contact Al Busher at (717)-651-9850 or via email at abusher@blcompanies.com.

Sincerely,

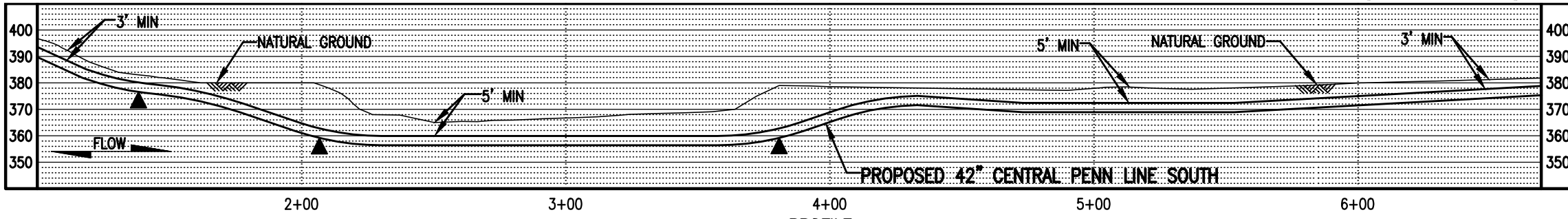


Alaric J. Busher, PE
Senior Engineer

Enclosures: Water Obstruction and Encroachment Permit Impact Maps



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL

STREAM DISTURBANCE:

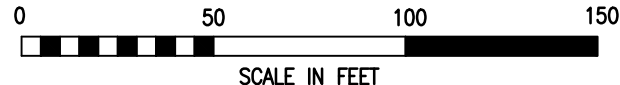
STREAM WW-T14-5006	ACRE
TEMPORARY STREAM DISTURBANCE	0.5616
PERMANENT STREAM DISTURBANCE	0.0400
TOTAL STREAM DISTURBANCE	0.6016
TEMPORARY FLOODWAY DISTURBANCE	1.7411
PERMANENT FLOODWAY DISTURBANCE	0.0870
TOTAL FLOODWAY DISTURBANCE	1.8281

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	174.09
STREAM LENGTH	151.83

STREAM DISTURBANCE:

STREAM WW-T14-5006A	ACRE
TEMPORARY STREAM DISTURBANCE	0.0072
PERMANENT STREAM DISTURBANCE	0.0000
TOTAL STREAM DISTURBANCE	0.0072
TEMPORARY FLOODWAY DISTURBANCE	0.0000
PERMANENT FLOODWAY DISTURBANCE	0.0000
TOTAL FLOODWAY DISTURBANCE	0.0000

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	6.71
STREAM LENGTH	157.11



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT



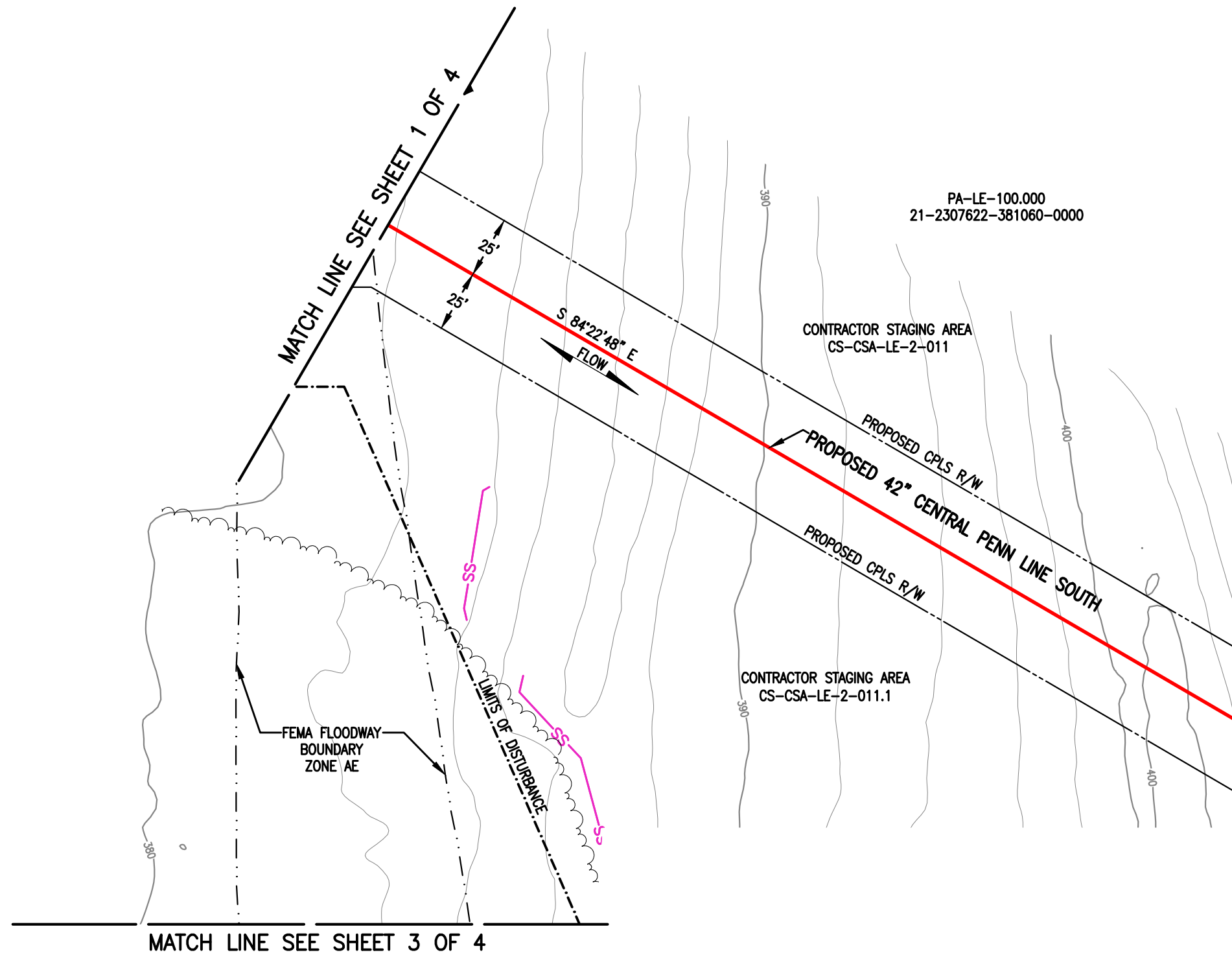
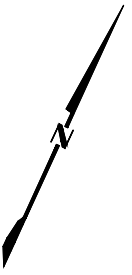
DRAWING NO.	REFERENCE TITLE					
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/19/15	CL	ISSUED FOR PADEP 105 PERMIT	1161503	CLR	MJH
1	02/03/16	AT	ISSUED FOR INTERNAL USE	1161503	CLR	MJH
2	11/02/16	AT	ISSUED FOR PADEP SUBMITTAL #2	1161503	CLR	MJH

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

Williams

DRAWN BY: LL	DATE: 10/17/14	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: ML	DATE: 05/26/15	ISSUED FOR CONSTRUCTION:	REVISION: 2
APPROVED BY: MJH	DATE: 05/29/15	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 1
IWO: 1161503	10/12/2016	nlabell	OF 4

STREAM DISTURBANCE:
SEE TABLE ON SHEET 1 OF 4

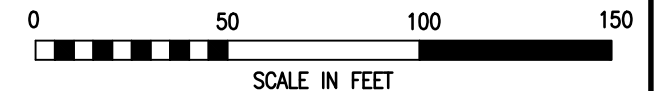


GENERAL NOTES:

1. STREAM CROSSING METHOD FOR WW-T14-5006 SHALL BE FLUME (FX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. STREAM WW-T14-5006A DOES NOT CROSS PROPOSED PIPELINE.
3. THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.
4. TEMPORARY FLOODWAY IMPACTS FOR CS-CSA-LE-2-011 AND CS-CSA-LE-2-011.1 ARE INCLUDED IN STREAM WW-T14-5006 TEMPORARY FLOODWAY DISTURBANCE.
5. STATION 1+00 SHOWN IS EQUAL TO STATION 2601+35 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. SURVEY CONTROL POINT - 40' RT. OF M.P. 49.32, ELEV. = 378.90' (NAVD88).



LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		12" SEDIMENT BARRIER
			18" SEDIMENT BARRIER
			24" SEDIMENT BARRIER
			32" SEDIMENT BARRIER
			PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT

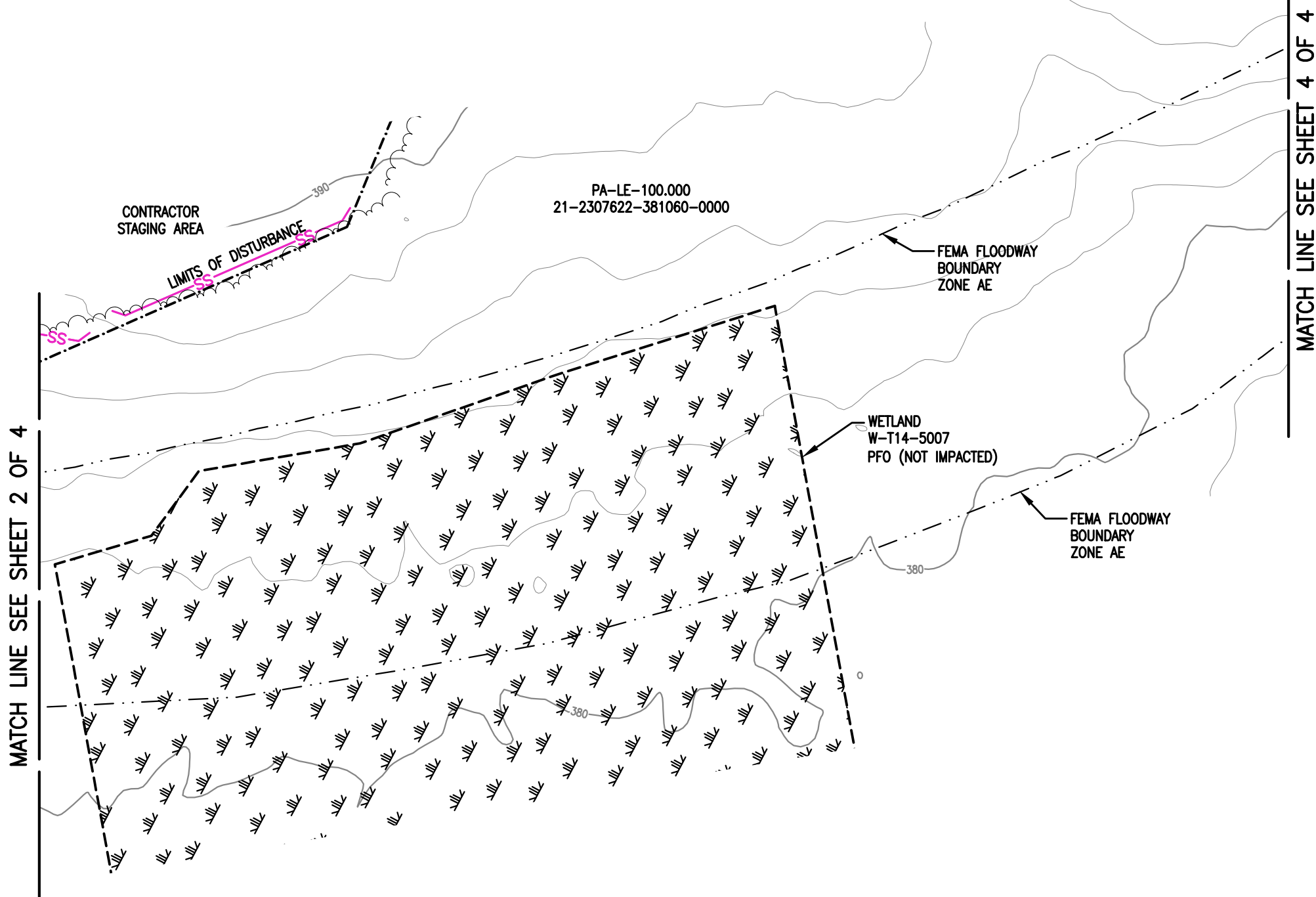
DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	08/19/15	CL	ISSUED FOR PADEP 105 PERMIT
1	11/02/16	AT	ISSUED FOR PADEP SUBMITTAL #2

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

Williams

DRAWN BY: LL	DATE: 10/17/14	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: ML	DATE: 05/26/15	ISSUED FOR CONSTRUCTION:	REVISION: 1
APPROVED BY: MJH	DATE: 05/29/15	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 2
WO: 1161503		1-40pm 10/13/2016 t2le	OF 4

STREAM DISTURBANCE:
SEE TABLE ON SHEET 1 OF 4



MATCH LINE SEE SHEET 2 OF 4

MATCH LINE SEE SHEET 4 OF 4

PA-LE-100.000
21-2307622-381060-0000

CONTRACTOR
STAGING AREA

LIMITS OF DISTURBANCE

FEMA FLOODWAY
BOUNDARY
ZONE AE

WETLAND
W-T14-5007
PFO (NOT IMPACTED)

FEMA FLOODWAY
BOUNDARY
ZONE AE

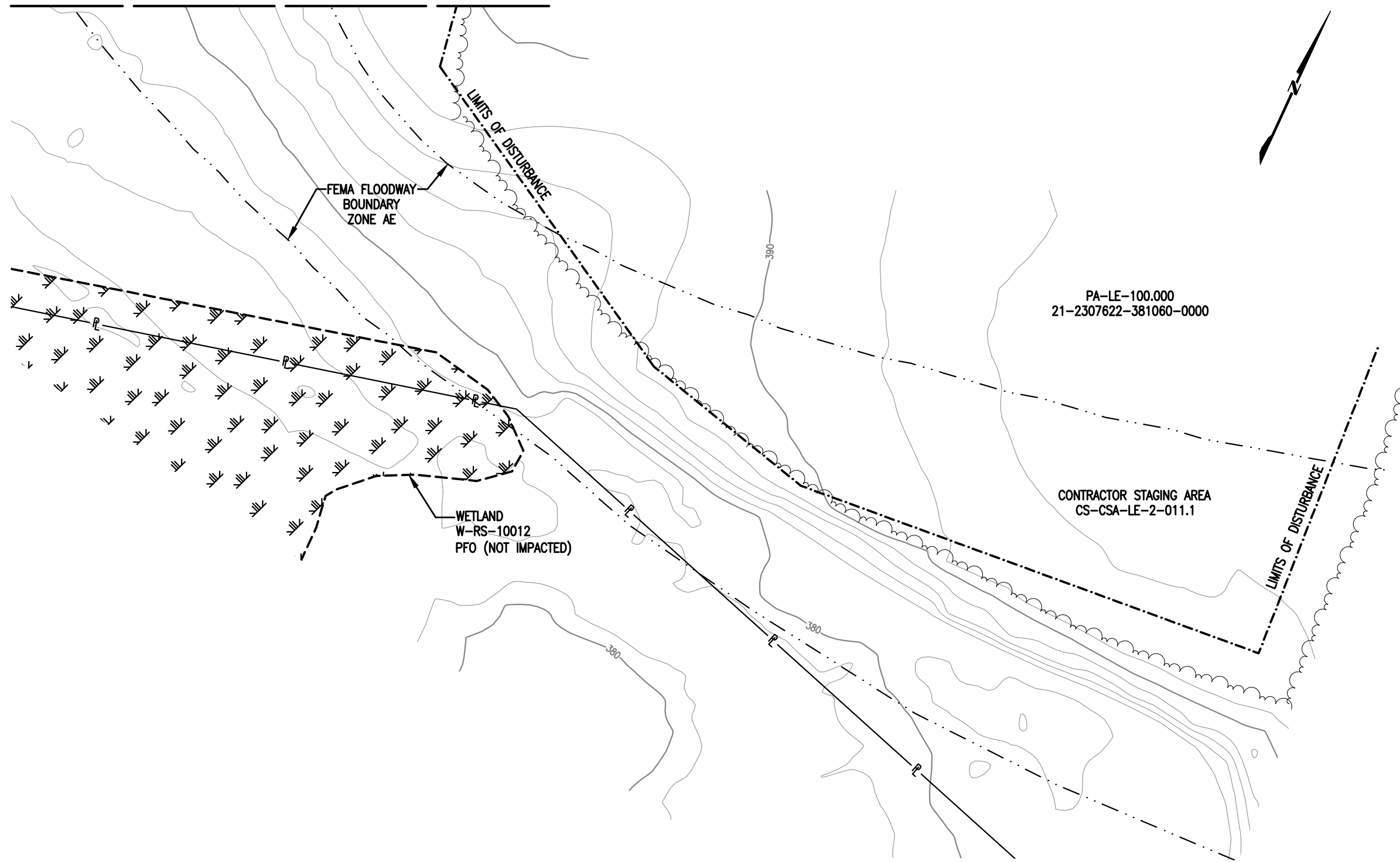


LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT
	12" SEDIMENT BARRIER		18" SEDIMENT BARRIER
	24" SEDIMENT BARRIER		32" SEDIMENT BARRIER
	TOP OF BANK		

DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	11/02/16	AVD	ISSUED FOR PADEP SUBMITTAL #2
			W.O. NO. CHK. APP.
			1161503 CLR MJH

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & Williams
WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

DRAWN BY: AVD	DATE: 07/06/16	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: CLR	DATE: 07/06/16	ISSUED FOR CONSTRUCTION:	REVISION: 0
APPROVED BY: MJH	DATE: 07/06/16	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 3
WO: 1161503		10/13/2016 t2le	OF 4



LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
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	EXISTING FENCE		PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT

DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	11/02/16	AVD	ISSUED FOR PADEP SUBMITTAL #2

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

Williams

DRAWN BY: AVD	DATE: 07/06/16	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: CLR	DATE: 07/06/16	ISSUED FOR CONSTRUCTION:	REVISION: 0
APPROVED BY: MJH	DATE: 07/06/16	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 4
WO: 1161503		10/13/2016 t2le	OF 4



October 28, 2016

North Annville Township
Floodplain Administrator
1020 North Route 934
Annville, PA 17003

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

North Annville Township
October 28, 2016
BL Project No. 14C4909
Page 1 of 2

**ATLANTIC SUNRISE PROJECT
FEMA FLOODPLAIN CROSSINGS
NORTH ANNVILLE TOWNSHIP, LEBANON 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-T43-5003	Floodway to Quittapahilla Creek	FEMA Detailed	N/A	0.2611	0.0294	40.33221	-76.53899
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T14-5006	Floodway to Swatara Creek	FEMA Detailed	N/A	1.7411	0.0870	40.36975	-76.53528

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

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

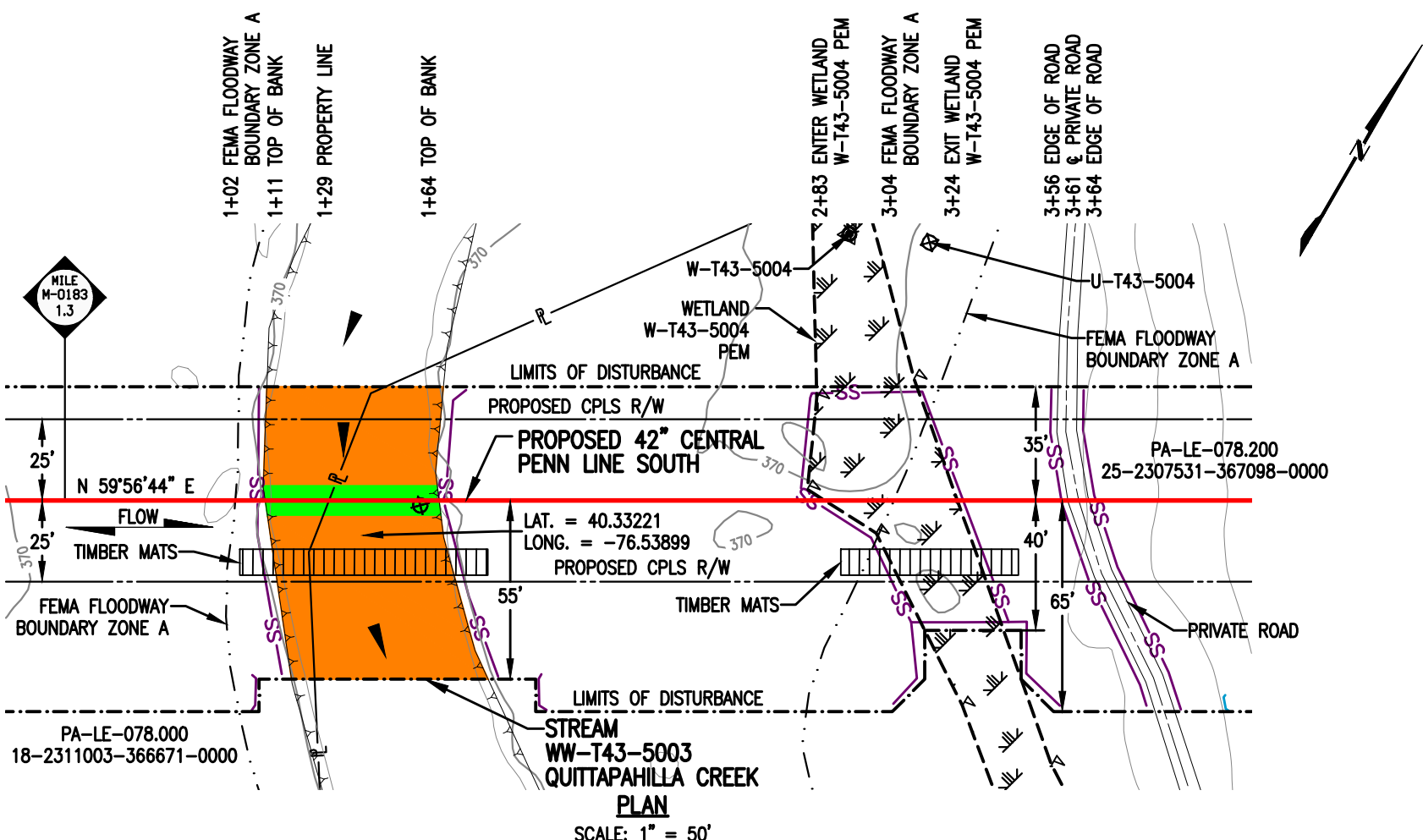
Please do not send comments directly to the PADEP, as we must include them with our permit application. Should you have any questions or concerns regarding this notification, please contact Al Busher at (717)-651-9850 or via email at abusher@blcompanies.com.

Sincerely,



Alaric J. Busher, PE
Senior Engineer

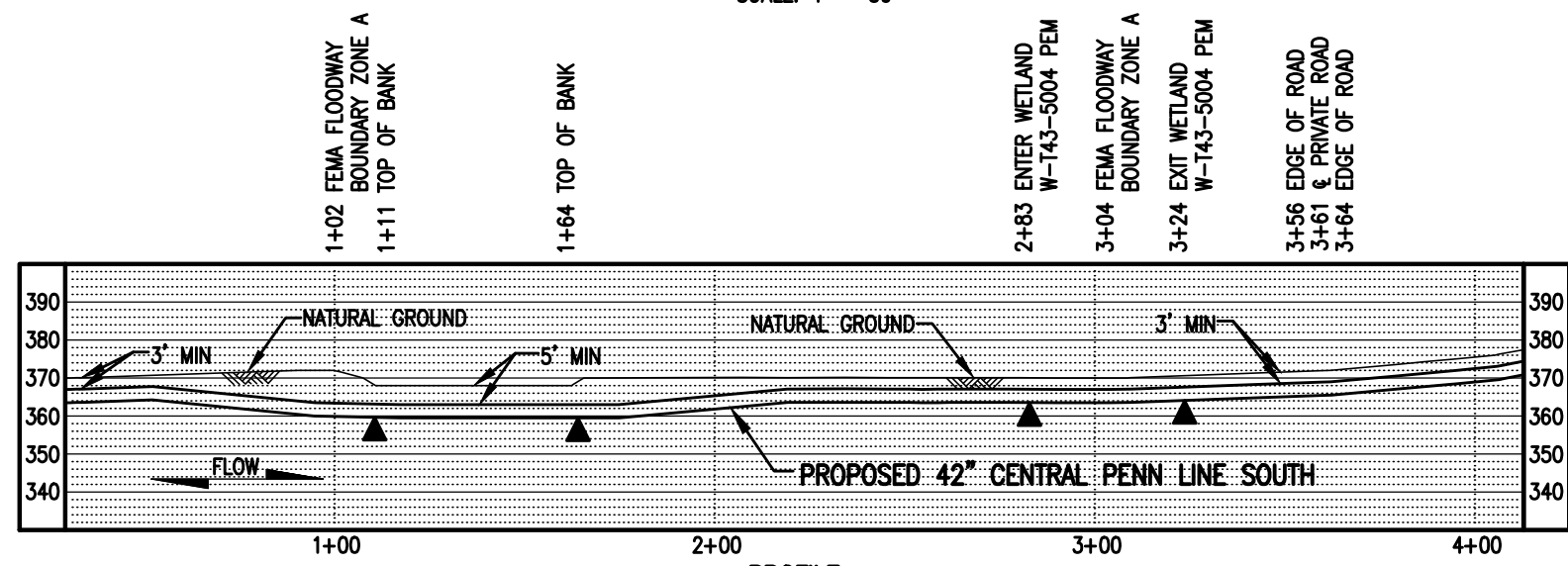
Enclosures: Water Obstruction and Encroachment Permit Impact Maps



STREAM DISTURBANCE:

STREAM WW-T43-5003	ACRE
TEMPORARY STREAM DISTURBANCE	0.1010
PERMANENT STREAM DISTURBANCE	0.0123
TOTAL STREAM DISTURBANCE	0.1133
TEMPORARY FLOODWAY DISTURBANCE	0.2611
PERMANENT FLOODWAY DISTURBANCE	0.0294
TOTAL FLOODWAY DISTURBANCE	0.2905

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	53.49
STREAM LENGTH	93.54

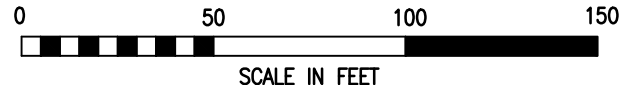


GENERAL NOTES:

1. STREAM CROSSING METHOD SHALL BE FLUME (FX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.
3. STATION 1+00 SHOWN IS EQUAL TO M-0183 STATION 69+18 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. SURVEY CONTROL POINT - 14' RT. OF M-0183 M.P. 1.32, ELEV. = 371.09' (NAVD88).



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		

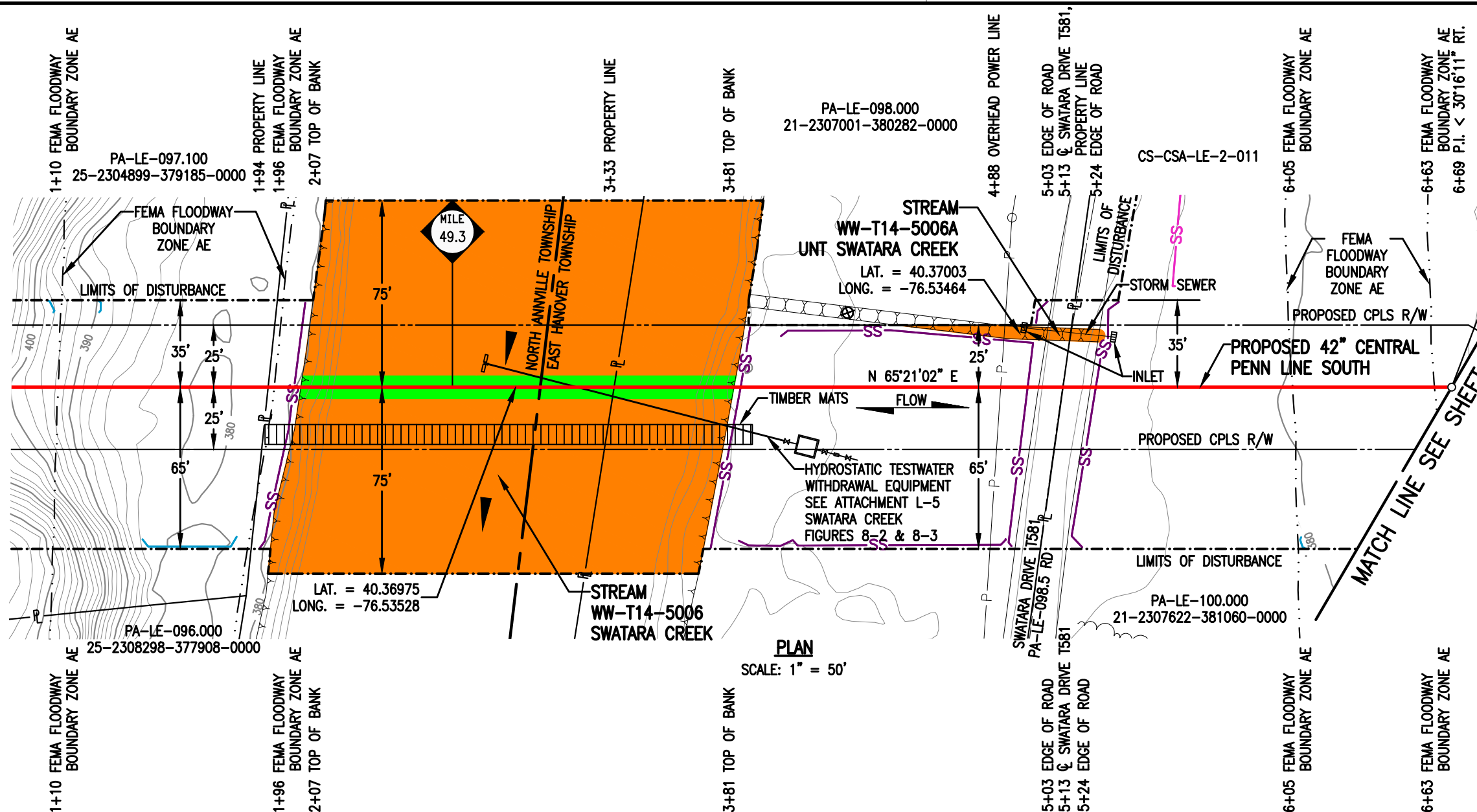
	12" SEDIMENT BARRIER
	18" SEDIMENT BARRIER
	24" SEDIMENT BARRIER
	32" SEDIMENT BARRIER
	PERMANENT STREAM IMPACT
	TEMPORARY STREAM IMPACT

WOOD GROUP MUSTANG, INC.

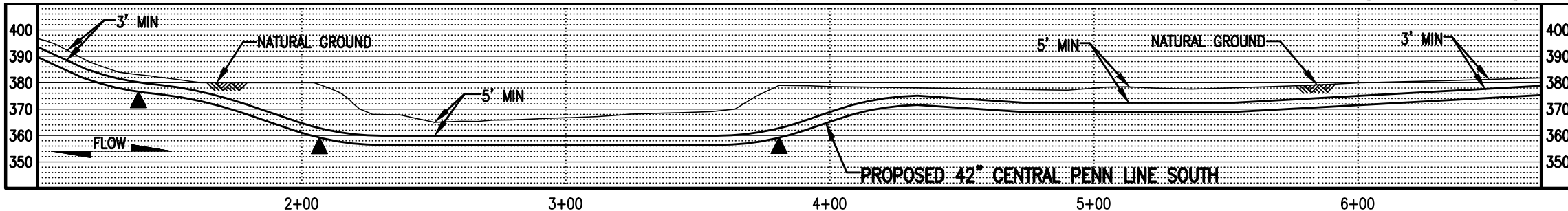
DRAWING NO.		REFERENCE TITLE	

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSING WW-T43-5003
M-0183 M.P. 1.32
NORTH ANNVILLE TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA

NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.	DRAWN BY: FH	DATE: 07/15/15	ISSUED FOR BID:	SCALE: 1" = 50'
0	08/19/15	FH	ISSUED FOR PADEP 105 PERMIT	1161503	CLR	MJH	CHECKED BY: CLR	DATE: 07/15/15	ISSUED FOR CONSTRUCTION:	REVISION: 2
1	02/03/16	AT	ISSUED FOR INTERNAL USE	1161503	CLR	MJH	APPROVED BY: MJH	DATE: 08/12/15	DRAWING NUMBER: 24-1600-70-09-A/M-0183-1.32-01	SHEET 1
2	11/02/16	LL	ISSUED FOR PADEP SUBMITTAL #2	1161503	CLR	MJH	IWO: 1161503	DATE: 10/13/2016	nlabell	OF 1



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL

STREAM DISTURBANCE:

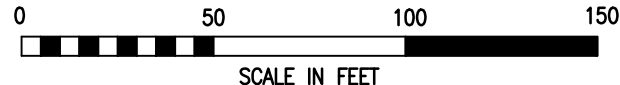
STREAM WW-T14-5006	ACRE
TEMPORARY STREAM DISTURBANCE	0.5616
PERMANENT STREAM DISTURBANCE	0.0400
TOTAL STREAM DISTURBANCE	0.6016
TEMPORARY FLOODWAY DISTURBANCE	1.7411
PERMANENT FLOODWAY DISTURBANCE	0.0870
TOTAL FLOODWAY DISTURBANCE	1.8281

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	174.09
STREAM LENGTH	151.83

STREAM DISTURBANCE:

STREAM WW-T14-5006A	ACRE
TEMPORARY STREAM DISTURBANCE	0.0072
PERMANENT STREAM DISTURBANCE	0.0000
TOTAL STREAM DISTURBANCE	0.0072
TEMPORARY FLOODWAY DISTURBANCE	0.0000
PERMANENT FLOODWAY DISTURBANCE	0.0000
TOTAL FLOODWAY DISTURBANCE	0.0000

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	6.71
STREAM LENGTH	157.11



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		12" SEDIMENT BARRIER
			18" SEDIMENT BARRIER
			24" SEDIMENT BARRIER
			32" SEDIMENT BARRIER
			TOP OF BANK
	PERMANENT STREAM IMPACT		
	TEMPORARY STREAM IMPACT		



DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	08/19/15	CL	ISSUED FOR PADEP 105 PERMIT
1	02/03/16	AT	ISSUED FOR INTERNAL USE
2	11/02/16	AT	ISSUED FOR PADEP SUBMITTAL #2

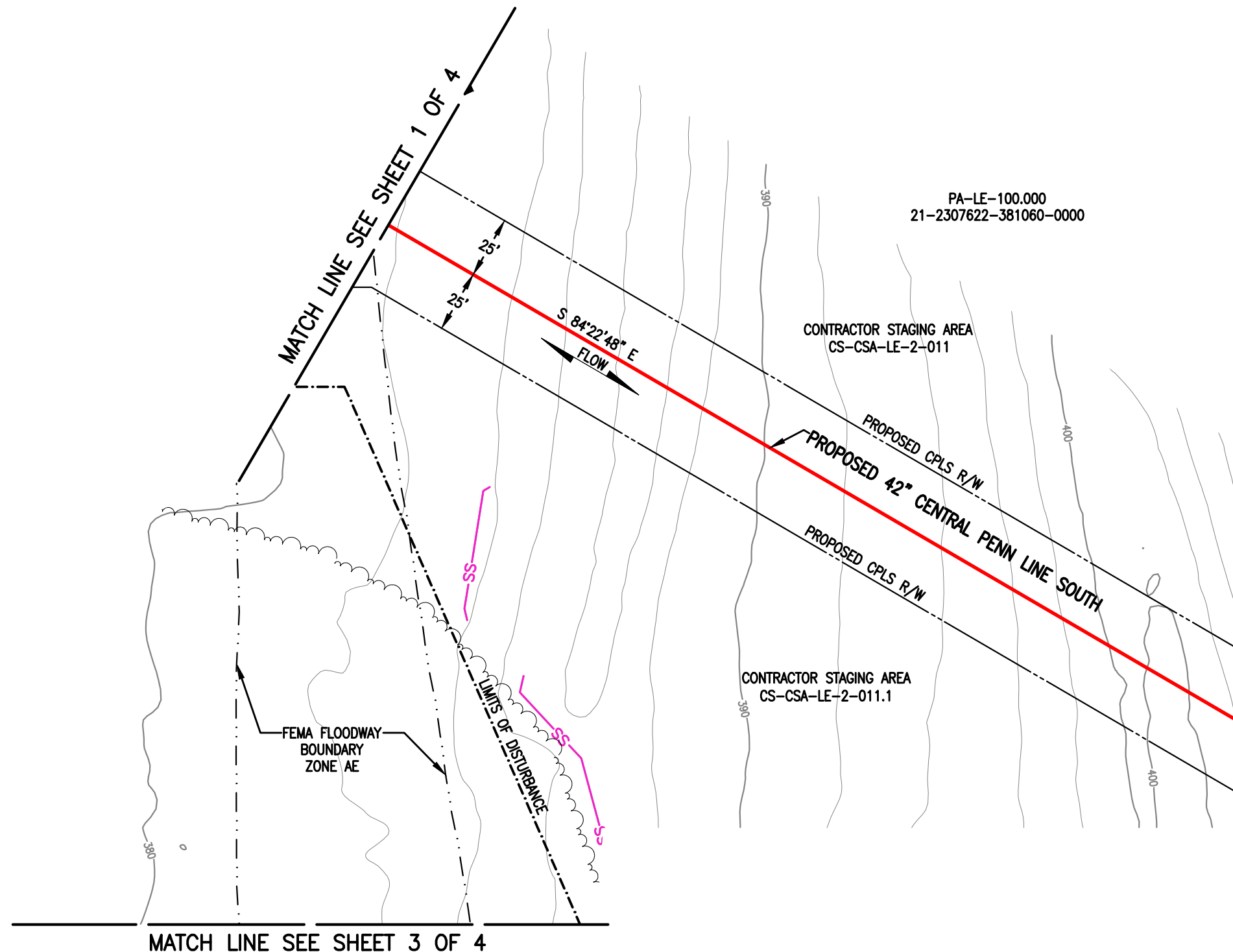
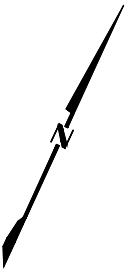
TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

Williams

W.O. NO.	CHK.	APP.	DRAWN BY:	LL	DATE:	10/17/14	ISSUED FOR BID:
1161503	CLR	MJH	CHECKED BY:	ML	DATE:	05/26/15	ISSUED FOR CONSTRUCTION:
1161503	CLR	MJH	APPROVED BY:	MJH	DATE:	05/29/15	DRAWING NUMBER:
1161503	CLR	MJH	IWO:	1161503			24-1600-70-09-A/49.30-01

SCALE: 1" = 50'
 REVISION: 2
 SHEET 1 OF 4

STREAM DISTURBANCE:
SEE TABLE ON SHEET 1 OF 4

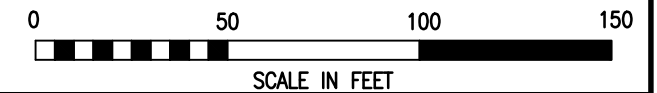


GENERAL NOTES:

1. STREAM CROSSING METHOD FOR WW-T14-5006 SHALL BE FLUME (FX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. STREAM WW-T14-5006A DOES NOT CROSS PROPOSED PIPELINE.
3. THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.
4. TEMPORARY FLOODWAY IMPACTS FOR CS-CSA-LE-2-011 AND CS-CSA-LE-2-011.1 ARE INCLUDED IN STREAM WW-T14-5006 TEMPORARY FLOODWAY DISTURBANCE.
5. STATION 1+00 SHOWN IS EQUAL TO STATION 2601+35 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. SURVEY CONTROL POINT - 40' RT. OF M.P. 49.32, ELEV. = 378.90' (NAVD88).



LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		12" SEDIMENT BARRIER
			18" SEDIMENT BARRIER
			24" SEDIMENT BARRIER
			32" SEDIMENT BARRIER
			TOP OF BANK
			PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT

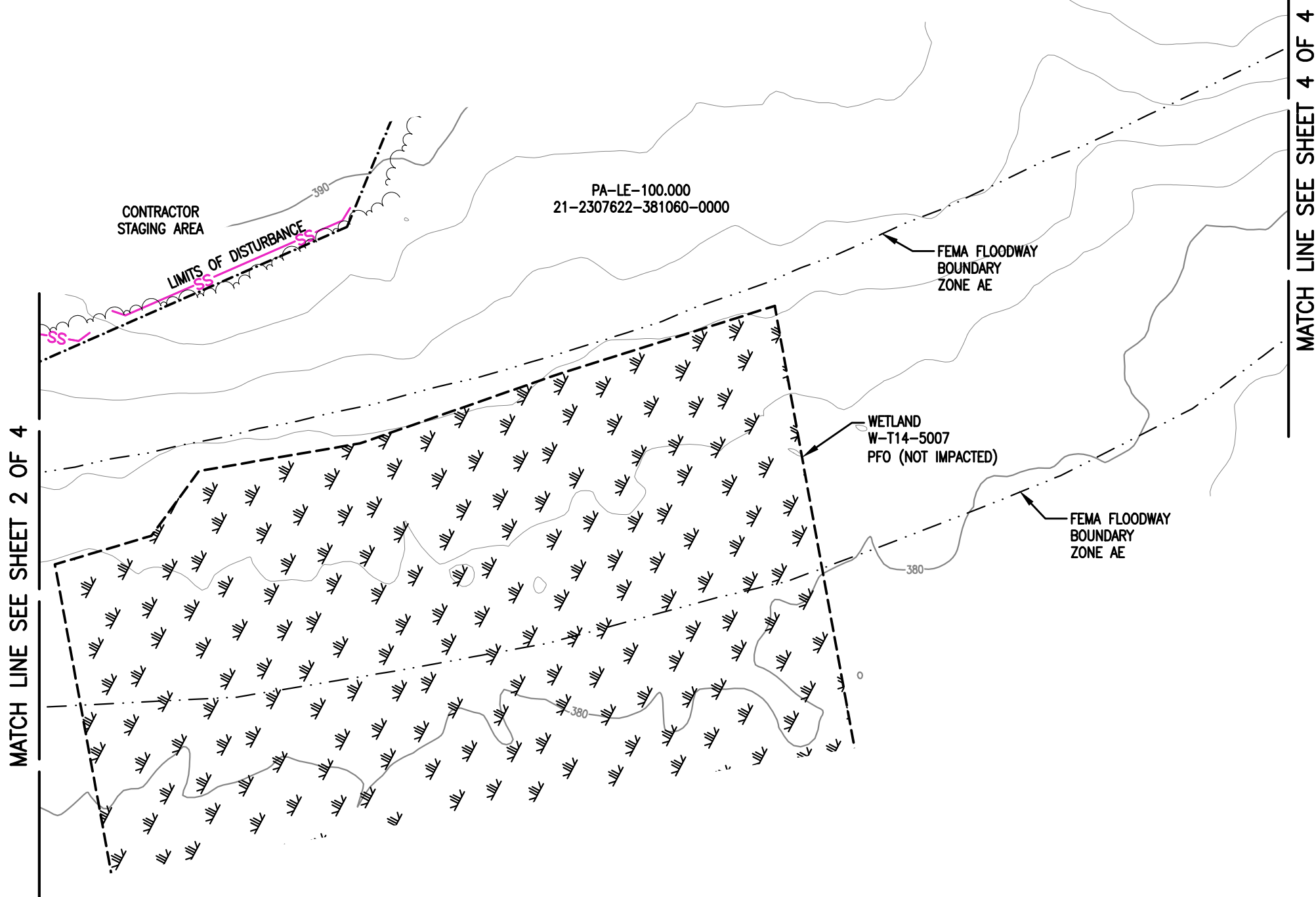
DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	08/19/15	CL	ISSUED FOR PADEP 105 PERMIT
1	11/02/16	AT	ISSUED FOR PADEP SUBMITTAL #2

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
 WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
 ATLANTIC SUNRISE PROJECT
 PROPOSED 42" CENTRAL PENN LINE SOUTH
 STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
 NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

Williams

DRAWN BY: LL	DATE: 10/17/14	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: ML	DATE: 05/26/15	ISSUED FOR CONSTRUCTION:	REVISION: 1
APPROVED BY: MJH	DATE: 05/29/15	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 2
WO: 1161503		1-40pm 10/13/2016 t2le	OF 4

STREAM DISTURBANCE:
SEE TABLE ON SHEET 1 OF 4



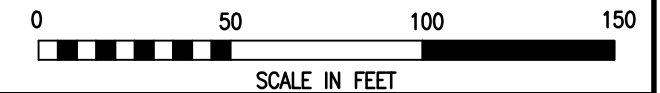
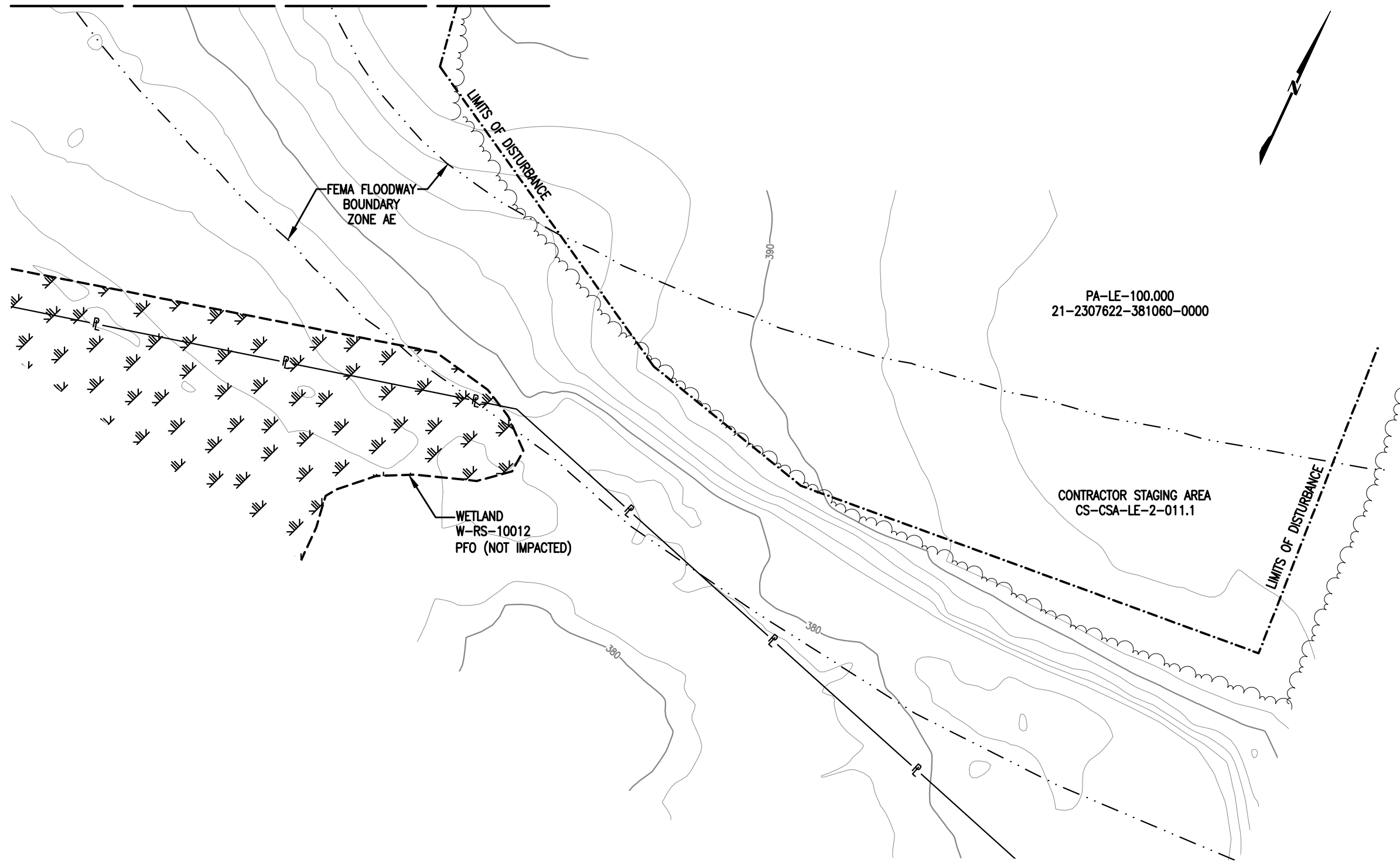
LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		PERMANENT STREAM IMPACT
	EXISTING POWER LINE		TEMPORARY STREAM IMPACT
	EXISTING FENCE		FLOODWAY BOUNDARY
			FEMA FLOODWAY BOUNDARY
	12" SEDIMENT BARRIER		TOP OF BANK
	18" SEDIMENT BARRIER		
	24" SEDIMENT BARRIER		
	32" SEDIMENT BARRIER		

DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	11/02/16	AVD	ISSUED FOR PADEP SUBMITTAL #2
			W.O. NO. CHK. APP.
			1161503 CLR MJH

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

DRAWN BY: AVD	DATE: 07/06/16	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: CLR	DATE: 07/06/16	ISSUED FOR CONSTRUCTION:	REVISION: 0
APPROVED BY: MJH	DATE: 07/06/16	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 3
WO: 1161503		10/13/2016 t2le	OF 4

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LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT

DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	11/02/16	AVD	ISSUED FOR PADEP SUBMITTAL #2

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSINGS WW-T14-5006 @ M.P. 49.30 & WW-T14-5006A @ M.P. 49.34
NORTH ANNVILLE AND EAST HANOVER TOWNSHIPS, LEBANON COUNTY, PENNSYLVANIA

DRAWN BY: AVD	DATE: 07/06/16	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: CLR	DATE: 07/06/16	ISSUED FOR CONSTRUCTION:	REVISION: 0
APPROVED BY: MJH	DATE: 07/06/16	DRAWING NUMBER: 24-1600-70-09-A/49.30-01	SHEET 4
WO: 1161503		10/13/2016 t2le	OF 4



October 28, 2016

South Annville Township
Floodplain Administrator
1042 Horseshoe Pike
Lebanon, PA 17042

Re: Atlantic Sunrise Project
Central Penn Line South
South Annville Township, Lebanon 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):
 - 8.56 miles of 42-inch pipeline loop located in Lycoming County, PA known as the Unity Loop;
 - 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 South Annville Township is provided below for your review and comment.

South Annville Township
October 28, 2016
BL Project No. 14C4909
Page 1 of 2

**ATLANTIC SUNRISE PROJECT
FEMA FLOODPLAIN CROSSINGS
SOUTH ANNVILLE TOWNSHIP, LEBANON 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-T64-5001	Floodway to Gingrich Run	FEMA Detailed	N/A	0.5006	0.0480 ¹	40.28045	-76.53061

¹ Permanent impacts associated with utility pipeline crossings are based on the permanent pipe footprint within the floodplain (pipe trench width x pipe crossing length). No permanent alternation to the floodway contours and elevation is associated with these permanent impacts.

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

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

Please do not send comments directly to the PADEP. 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.

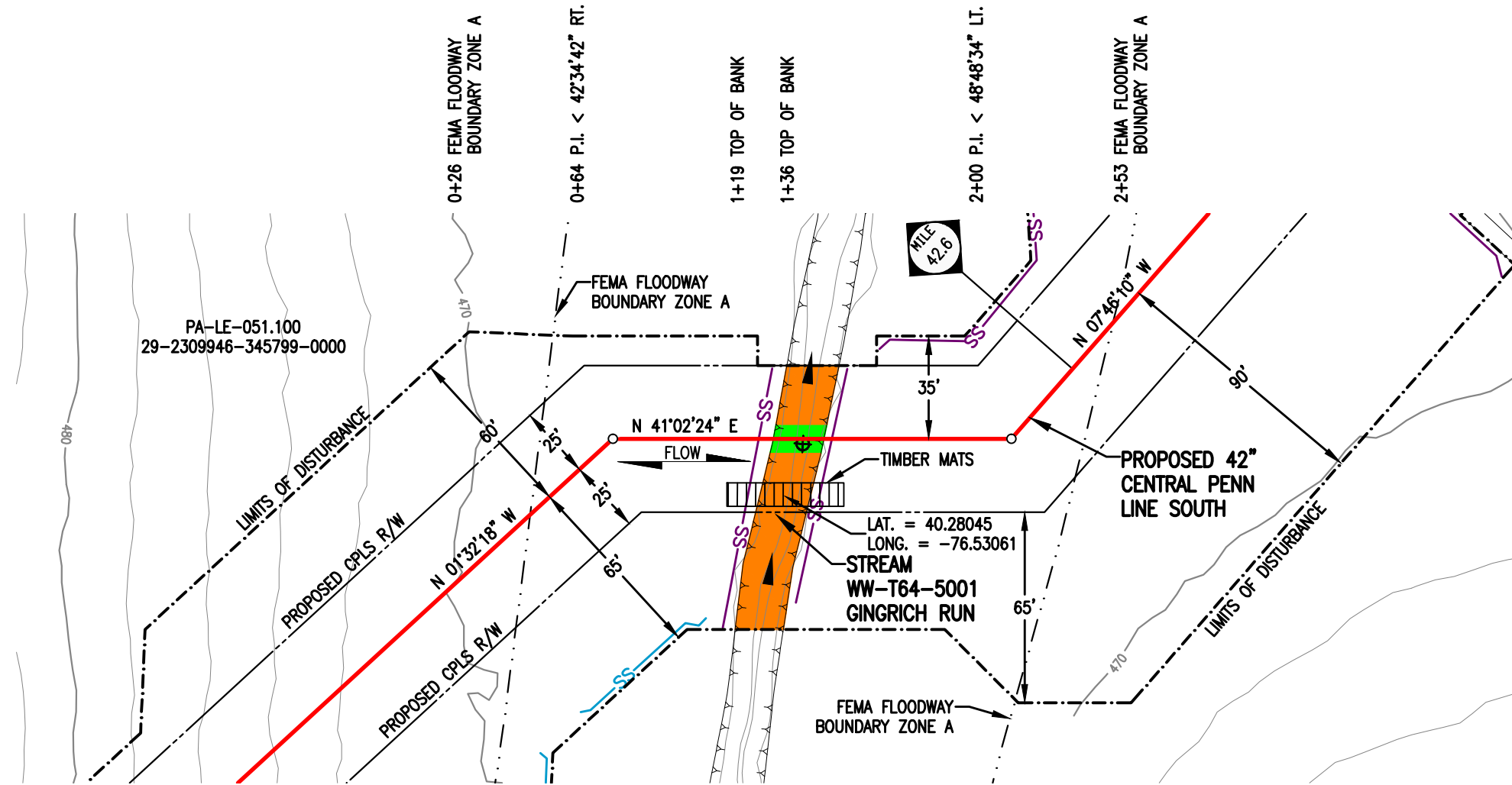
Sincerely,



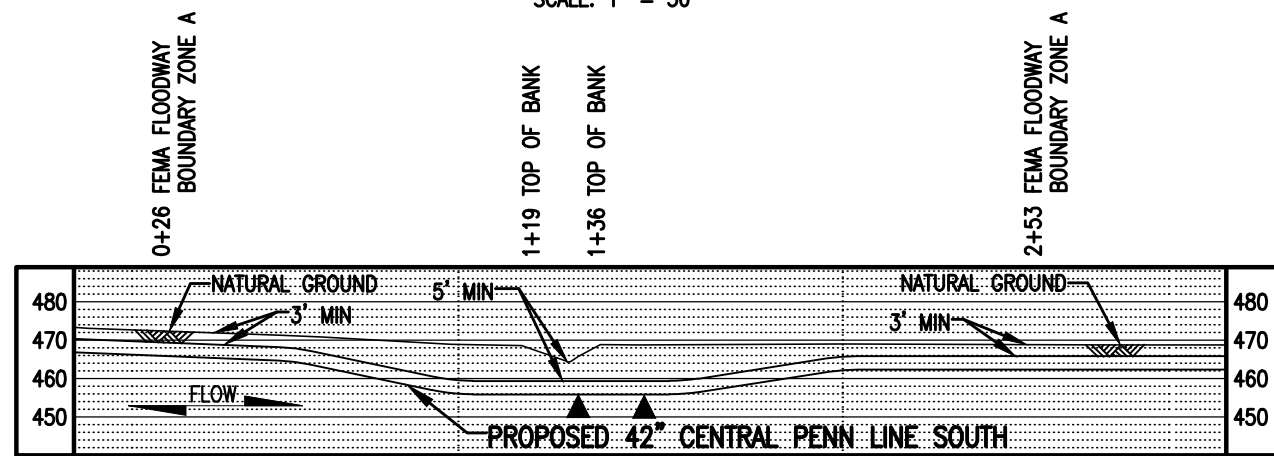
Alaric J. Busher, PE
Senior Engineer

Enclosures: Water Obstruction and Encroachment Permit Impact Maps

PA-LE-051.100
29-2309946-345799-0000



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL

STREAM DISTURBANCE:

STREAM WW-T64-5001	ACRE
TEMPORARY STREAM DISTURBANCE	0.0316
PERMANENT STREAM DISTURBANCE	0.0040
TOTAL STREAM DISTURBANCE	0.0356
TEMPORARY FLOODWAY DISTURBANCE	0.5006
PERMANENT FLOODWAY DISTURBANCE	0.0480
TOTAL FLOODWAY DISTURBANCE	0.5486

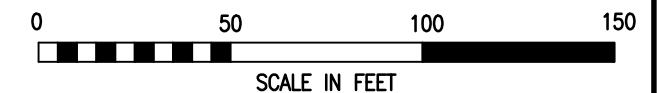
STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	17.19
STREAM LENGTH	91.82

GENERAL NOTES:

1. STREAM CROSSING METHOD SHALL BE FLUME (FX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. THIS SITE IS LOCATED WITHIN THE 100 YEAR PLAIN PER FEMA FLOOD MAP DATA.
3. STATION 1+00 SHOWN IS EQUAL TO STATION 2247+96 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. SURVEY CONTROL POINT - 32' RT. OF M.P. 42.62, ELEV. = 468.93' (NAVD88).



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT



DRAWING NO.		REFERENCE TITLE	
TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS ATLANTIC SUNRISE PROJECT PROPOSED 42" CENTRAL PENN LINE SOUTH STREAM CROSSING WW-T64-5001 M.P. 42.58 SOUTH ANNVILLE TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA			
NO.	DATE	BY	REVISION DESCRIPTION
0	11/02/16	DLK	ISSUED FOR PADEP SUBMITTAL #2
W.O. NO.	CHK.	APP.	DRAWN BY: DLK
1161503	CLR	MJH	DATE: 07/05/16
			CHECKED BY: CLR
			DATE: 07/05/16
			APPROVED BY: MJH
			DATE: 07/06/16
W.O. NO.	ISSUED FOR BID:	ISSUED FOR CONSTRUCTION:	SCALE: 1" = 50'
1161503			REVISION: 0
	DRAWING NUMBER: 24-1600-70-09-A/42.58-01	SHEET 1	
	7:53am 10/13/2016 t4nguye	OF 1	



October 28, 2016

South Londonderry Township
Floodplain Administrator
20 West Market Street
P.O. Box 3
Campbelltown, PA 17010-0003

Re: Atlantic Sunrise Project
Central Penn Line South
South Londonderry Township, Lebanon 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):
 - 8.56 miles of 42-inch pipeline loop located in Lycoming County, PA known as the Unity Loop;
 - 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 South Londonderry Township is provided below for your review and comment.

South Londonderry Township
October 28, 2016
BL Project No. 14C4909
Page 1 of 3

**ATLANTIC SUNRISE PROJECT
FEMA FLOODPLAIN CROSSINGS
SOUTH LONDONDERRY TOWNSHIP, LEBANON 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-T30-4002	Floodway to Conewago Creek	FEMA Detailed ¹	N/A	1.5265	0.1012 ²	40.21718	-76.54416
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T53-4001	Floodway to UNT to Little Conewago Creek	FEMA Detailed	N/A	0.1869	0.0283 ²	40.23945	-76.53918

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

² Permanent impacts associated with utility pipeline crossings are based on the permanent pipe footprint within the floodplain (pipe trench width x pipe crossing length). No permanent alternation to the floodway contours and elevation is associated with these permanent impacts.

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

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

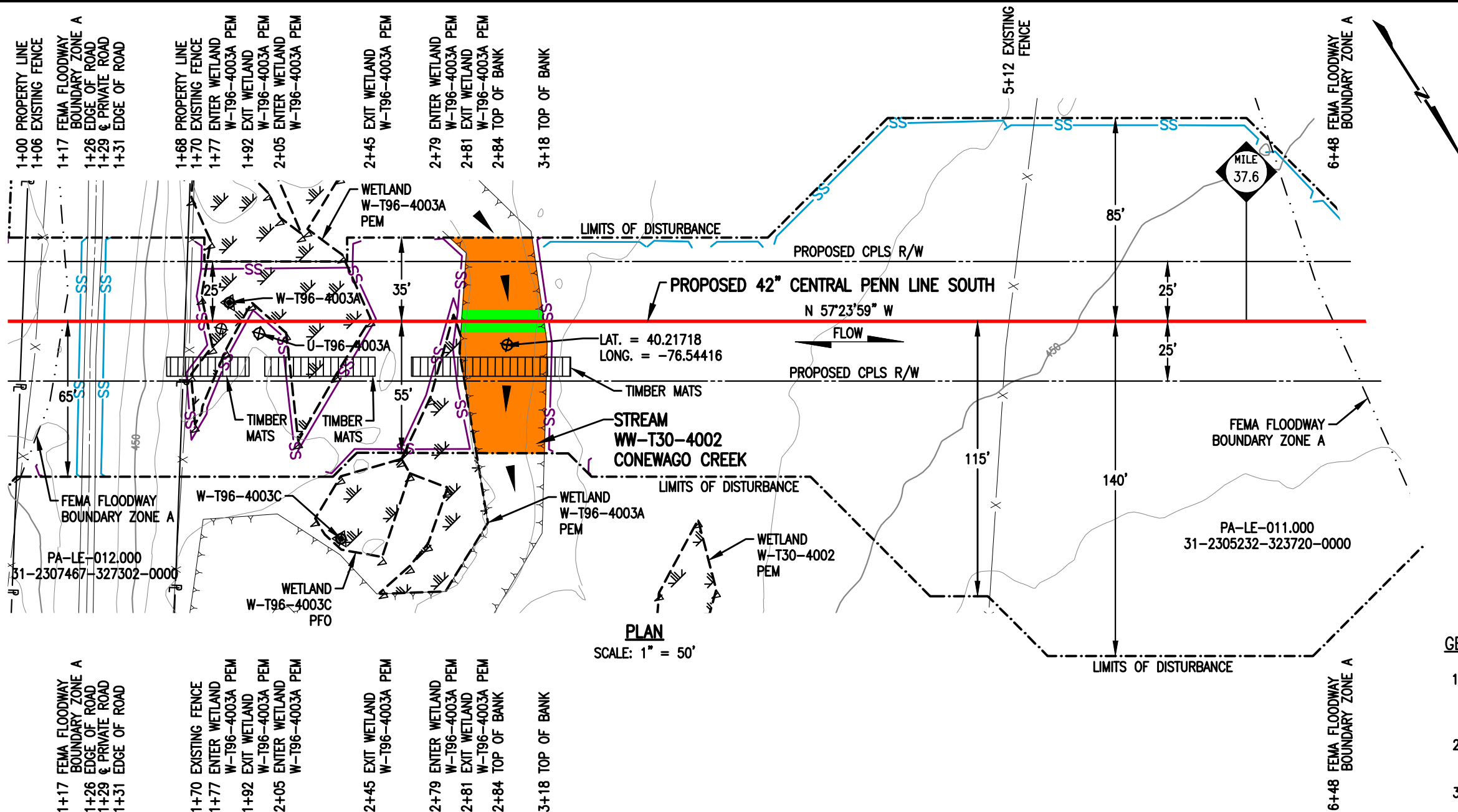
Please do not send comments directly to the PADEP, as we must include them with our permit application. Should you have any questions or concerns regarding this notification, please contact Al Busher at (717)-651-9850 or via email at abusher@blcompanies.com.

Sincerely,



Alaric J. Busher, PE
Senior Engineer

Enclosures: Water Obstruction and Encroachment Permit Impact Maps



PLAN
SCALE: 1" = 50'

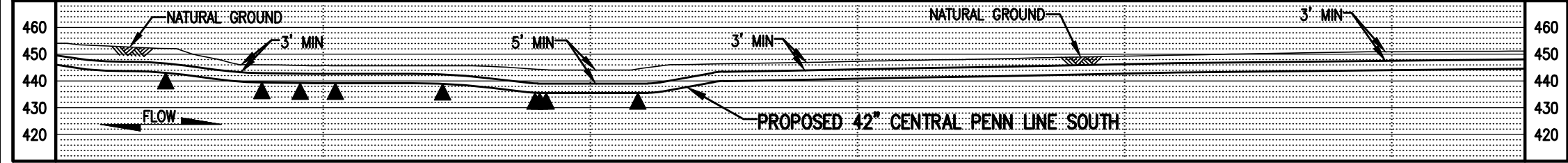
STREAM DISTURBANCE:

STREAM WW-T30-4002	ACRE
TEMPORARY STREAM DISTURBANCE	0.0594
PERMANENT STREAM DISTURBANCE	0.0079
TOTAL STREAM DISTURBANCE	0.0673
TEMPORARY FLOODWAY DISTURBANCE	1.5265
PERMANENT FLOODWAY DISTURBANCE	0.1012
TOTAL FLOODWAY DISTURBANCE	1.6277

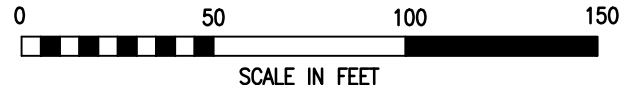
STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	34.39
STREAM LENGTH	90.80

- GENERAL NOTES:**
1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP (DPX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
 2. THIS IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.
 3. STATION 2+00 SHOWN IS EQUAL TO STATION 1981+10 ON THE EROSION AND SEDIMENT CONTROL PLAN.

- SURVEY NOTES:**
1. T.B.M. IRON ROD - 280' RT. OF M.P. 37.51, ELEV.= 447.65' (NAVD88).



PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		PERMANENT STREAM IMPACT
			TEMPORARY STREAM IMPACT



DRAWING NO.		REFERENCE TITLE	
NO.	DATE	BY	REVISION DESCRIPTION
0	08/19/15	AT	ISSUED FOR PADEP 105 PERMIT
1	02/03/16	AT	ISSUED FOR INTERNAL USE
2	11/02/16	MGJ	ISSUED FOR PADEP SUBMITTAL #2

TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC
WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS
ATLANTIC SUNRISE PROJECT
PROPOSED 42" CENTRAL PENN LINE SOUTH
STREAM CROSSING WW-T30-4002
© M.P. 37.54
SOUTH LONDONDERRY TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA

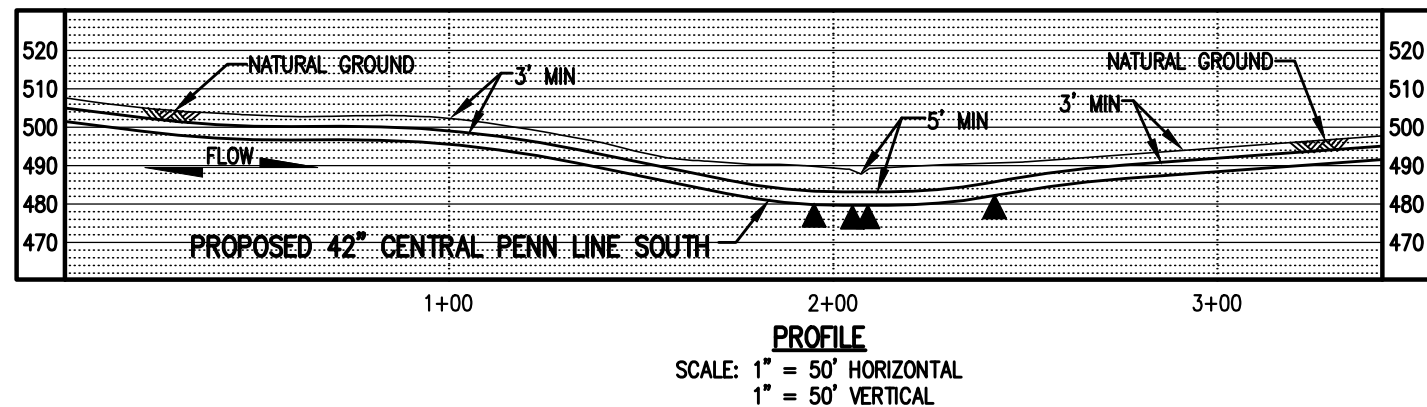
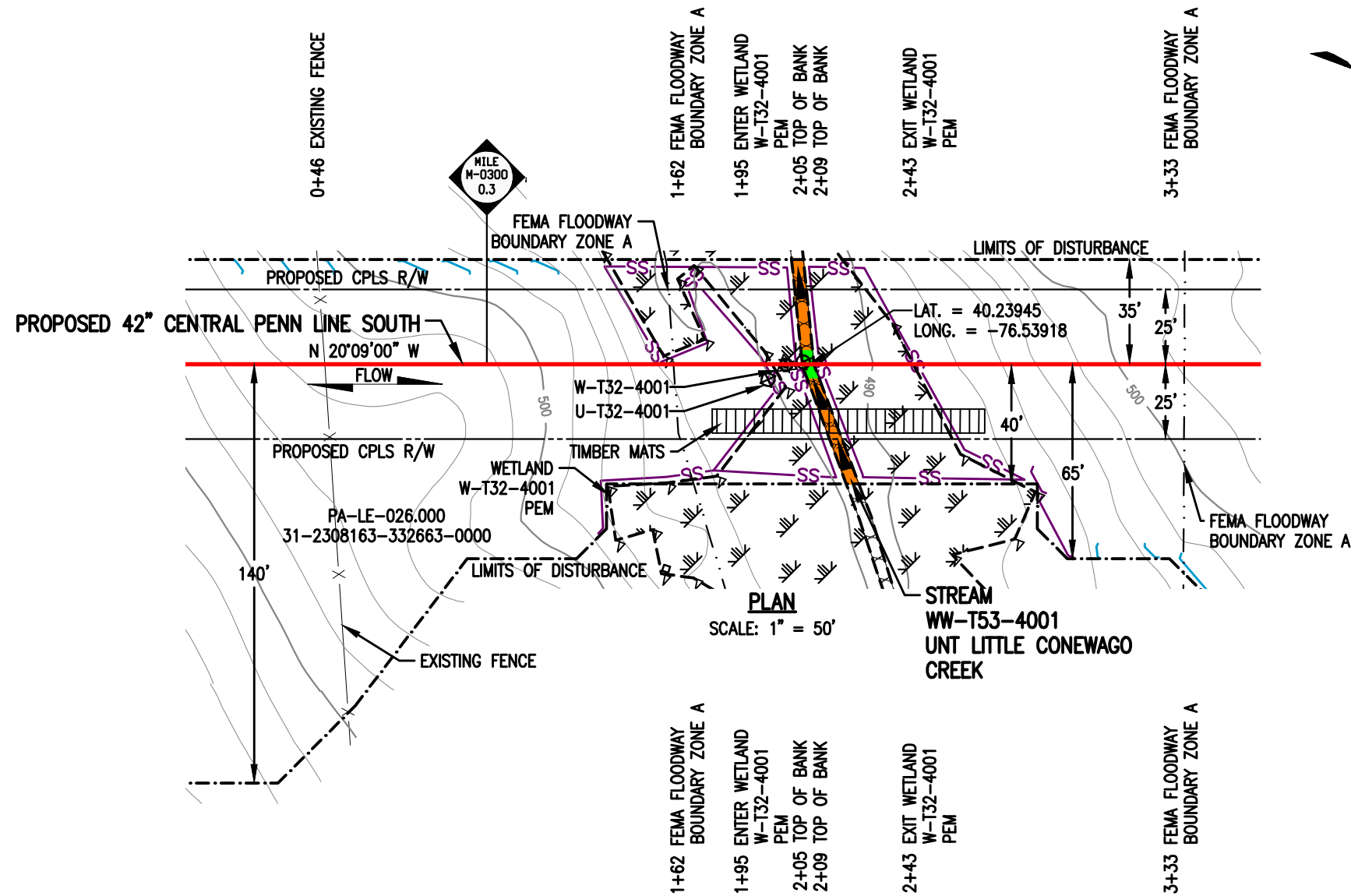
Williams

DRAWN BY: THL	DATE: 05/01/15	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: JM	DATE: 05/29/15	ISSUED FOR CONSTRUCTION:	REVISION: 2
APPROVED BY: MJH	DATE: 05/29/15	DRAWING NUMBER: 24-1600-70-09-A/37.54-01	SHEET 1
IWO: 1161503		10/13/2016	OF 1

STREAM DISTURBANCE:

STREAM WW-T53-4001	ACRE
TEMPORARY STREAM DISTURBANCE	0.0060
PERMANENT STREAM DISTURBANCE	0.0009
TOTAL STREAM DISTURBANCE	0.0069
TEMPORARY FLOODWAY DISTURBANCE	0.1862
PERMANENT FLOODWAY DISTURBANCE	0.0283
TOTAL FLOODWAY DISTURBANCE	0.2145

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	3.88
STREAM LENGTH	79.69



GENERAL NOTES:

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP (DPX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FLOOD MAP DATA.
3. STATION 0+00 SHOWN IS EQUAL TO M-0300 STATION 15+84 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. IRON ROD - 155' LT. OF M-0300 M.P. 0.41, ELEV. = 525.48' (NAVD88).



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS	
	EXISTING PIPELINES		PHOTO DATA POINT	
	EXISTING TGPL R/W		WETLAND DATA POINT	
	LIMITS OF DISTURBANCE		UPLAND DATA POINT	
	PROPOSED CPLS R/W		WELL POINT	
	PROPERTY LINE		TRENCH PLUG	
	FOREIGN PIPELINE		WATERBODY	
	WETLAND AREA		TREE LINE	
	STREAM FLOW		FLOODWAY BOUNDARY	
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY	
	EXISTING FENCE		PERMANENT STREAM IMPACT	
			TEMPORARY STREAM IMPACT	
	12" SEDIMENT BARRIER			
	18" SEDIMENT BARRIER			
	24" SEDIMENT BARRIER			
	32" SEDIMENT BARRIER			
	TOP OF BANK			

DRAWING NO.		REFERENCE TITLE		<p>TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS ATLANTIC SUNRISE PROJECT PROPOSED 42" CENTRAL PENN LINE SOUTH STREAM CROSSING WW-T53-4001 M-0300 M.P. 0.32 SOUTH LONDONDERRY TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA</p>						
NO.	DATE	BY	REVISION DESCRIPTION					W.O. NO.	CHK.	APP.
0	11/02/16	DLK	ISSUED FOR PADEP SUBMITTAL #2					1161503	CLR	MJH
DRAWN BY: TL		DATE: 06/30/15		ISSUED FOR BID:		SCALE: 1" = 50'				
CHECKED BY: CLR		DATE: 06/30/15		ISSUED FOR CONSTRUCTION:		REVISION: 0				
APPROVED BY: MJH		DATE: 07/16/15		DRAWING NUMBER: 24-1600-70-09-A/M-0300-0.35-01		SHEET 1				
WO: 1161503		10/6/2016		9:56am		OF 1				



October 28, 2016

Union Township
Floodplain Administrator
3111 S.R. 72
Jonestown, PA 17038

Re: Atlantic Sunrise Project
Central Penn Line South
Union Township, Lebanon 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):
 - 8.56 miles of 42-inch pipeline loop located in Lycoming County, PA known as the Unity Loop;
 - 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 Union Township is provided below for your review and comment.

Union Township
October 28, 2016
BL Project No. 14C4909
Page 1 of 3

**ATLANTIC SUNRISE PROJECT
FEMA FLOODPLAIN CROSSINGS
UNION TOWNSHIP, LEBANON 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-T32-6001	Floodway to Forge Creek	FEMA Detailed	N/A	0.3167	0.0380 ¹	40.45347	-76.53286
Utility Pipeline Crossing	Equipment Access and E&S Controls	WW-T23-6003	Floodway to Trout Run	FEMA Detailed	N/A	0.2584	0.0306 ¹	40.48026	-76.55555
Temporary Road Crossing	Equipment Access and E&S Controls	WW-T40-6002	Floodway to Forge Creek	FEMA Detailed	0.00 ²	0.2357	0.000	40.45851	-76.54185

¹ Permanent impacts associated with utility pipeline crossings are based on the permanent pipe footprint within the floodplain (pipe trench width x pipe crossing length). No permanent alternation to the floodway contours and elevation is associated with these permanent impacts.
² Floodway fill is associated with a temporary access road. Pre development contours will be restored prior to permit termination.

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 and temporary access road grading 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 permanent 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 Union Township review this analysis and, if applicable, provide comments to:

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

Please do not send comments directly to the PADEP, 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.

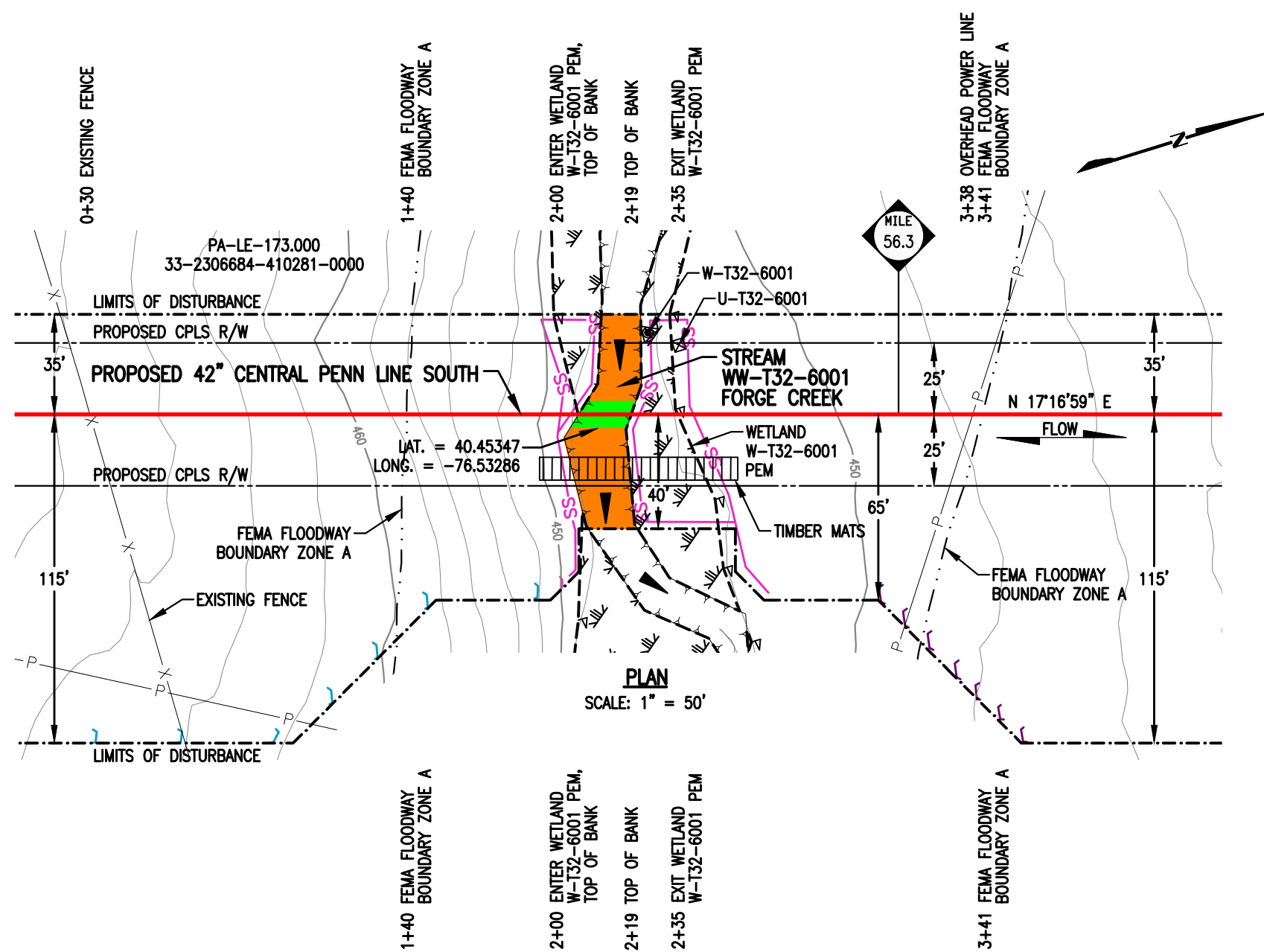
Sincerely,



Alaric J. Busher, PE
Senior Engineer

Enclosures: Water Obstruction and Encroachment Permit Impact Map

Union Township
October 28, 2016
BL Project No. 14C4909
Page 2 of 3



STREAM DISTURBANCE:

STREAM WW-T32-6001	ACRE
TEMPORARY STREAM DISTURBANCE	0.0259
PERMANENT STREAM DISTURBANCE	0.0042
TOTAL STREAM DISTURBANCE	0.0301
TEMPORARY FLOODWAY DISTURBANCE	0.3167
PERMANENT FLOODWAY DISTURBANCE	0.0380
TOTAL FLOODWAY DISTURBANCE	0.3547

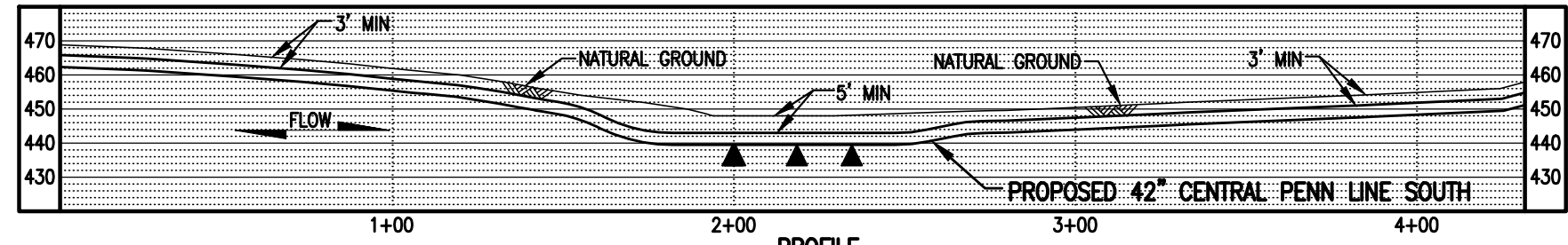
STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	18.39
STREAM LENGTH	75.85

GENERAL NOTES:

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP (DPX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.
3. STATION 1+00 SHOWN IS EQUAL TO STATION 2970+52 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. I.R. POINT - 941' RT. OF M.P. 56.30, ELEV.= 459.18' (NAVD88).



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		FLOODWAY BOUNDARY
	EXISTING POWER LINE		FEMA FLOODWAY BOUNDARY
	EXISTING FENCE		

WOOD GROUP MUSTANG, INC.

	12" SEDIMENT BARRIER		PERMANENT STREAM IMPACT
	18" SEDIMENT BARRIER		TEMPORARY STREAM IMPACT
	24" SEDIMENT BARRIER		
	32" SEDIMENT BARRIER		
	TOP OF BANK		

DRAWING NO.		REFERENCE TITLE		TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS ATLANTIC SUNRISE PROJECT PROPOSED 42" CENTRAL PENN LINE SOUTH STREAM CROSSING WW-T32-6001 M.P. 56.28 UNION TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA						
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.	DRAWN BY: TL	DATE: 03/13/15	ISSUED FOR BID:	SCALE: 1" = 50'
0	08/19/15	CR	ISSUED FOR PADEP 105 PERMIT	1161503	CLR	MJH	CHECKED BY: CLR	DATE: 05/22/15	ISSUED FOR CONSTRUCTION:	REVISION: 2
1	02/03/16	AT	ISSUED FOR INTERNAL USE	1161503	CLR	MJH	APPROVED BY: MJH	DATE: 05/25/15	DRAWING NUMBER: 24-1600-70-09-A/56.28-01	SHEET 1
2	11/02/16	AT	ISSUED FOR PADEP SUBMITTAL #2	1161503	CLR	MJH	IWO: 1161503		348pm 10/12/2016 vqtran	OF 1

GENERAL NOTES:

- THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.

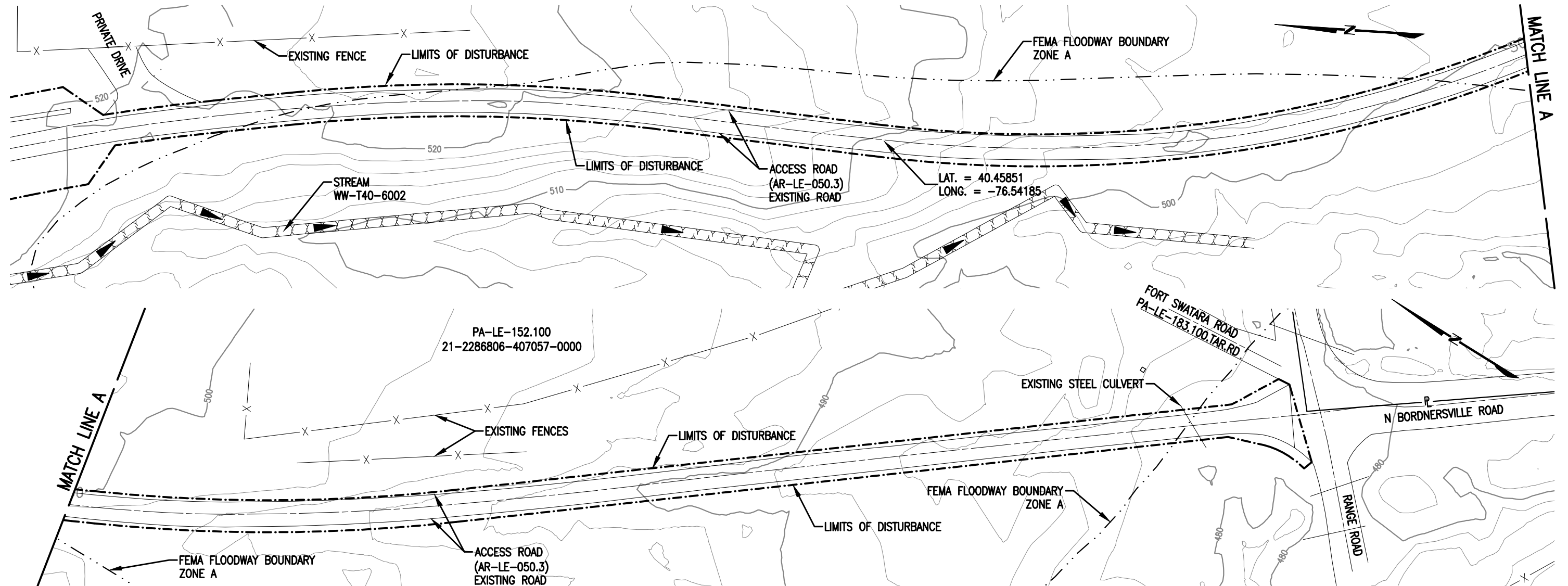
SURVEY NOTES:

- T.B.M. SURVEY CONTROL POINT - 31' LT. OF M-0205 M.P. 0.15, ELEV. = 575.39' (NAVD88).

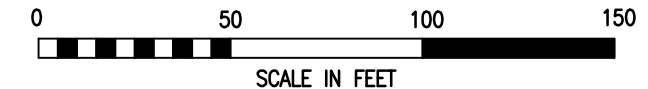
STREAM DISTURBANCE:

STREAM	ACRE
WW-T40-6002	
TEMPORARY STREAM DISTURBANCE	0.0000
PERMANENT STREAM DISTURBANCE	0.0000
TOTAL STREAM DISTURBANCE	0.0000
TEMPORARY FLOODWAY DISTURBANCE	0.2375
PERMANENT FLOODWAY DISTURBANCE	0.0000
TOTAL FLOODWAY DISTURBANCE	0.2375

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	0.00
STREAM LENGTH	0.00

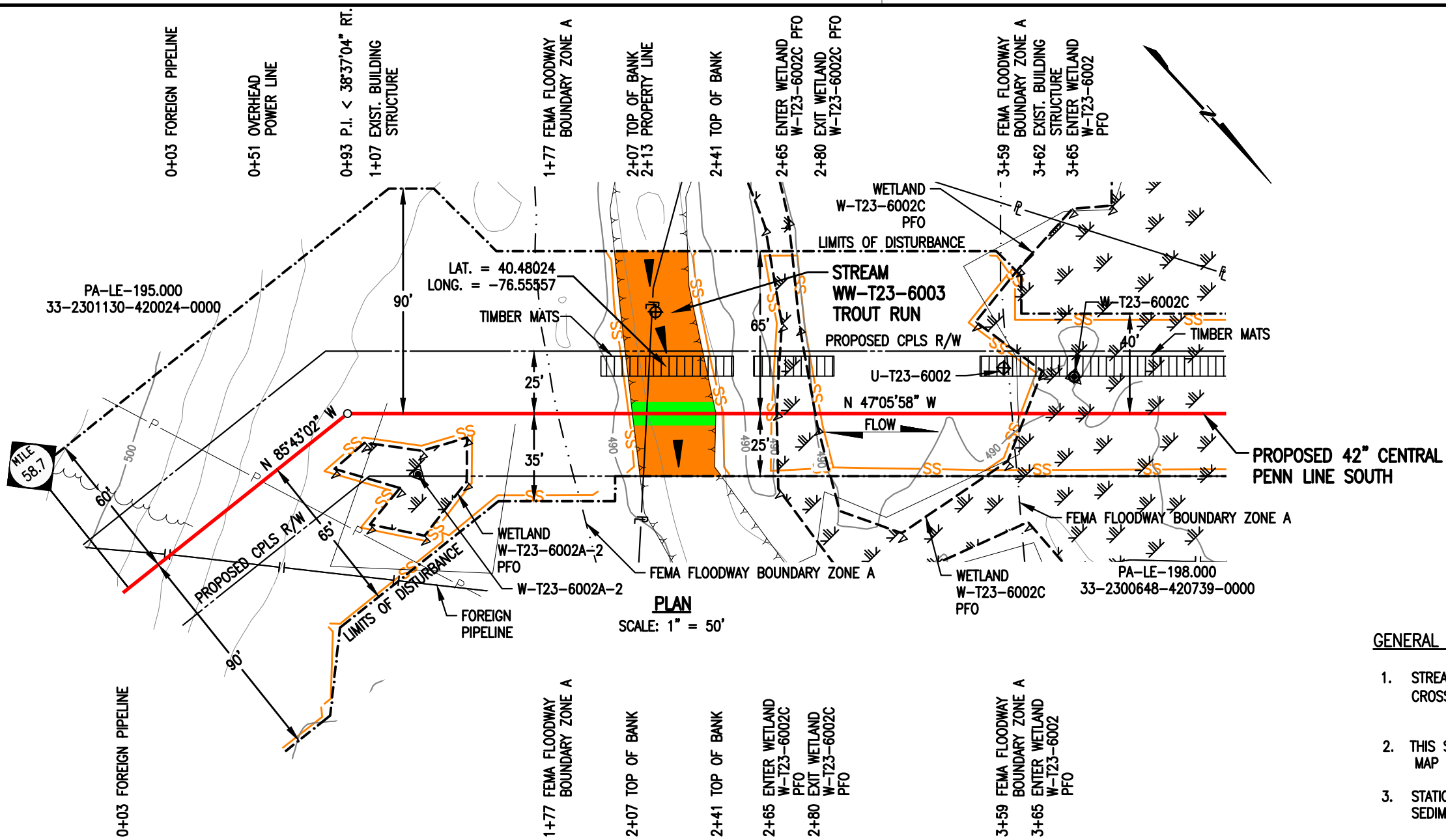


PLAN
SCALE: 1" = 50'

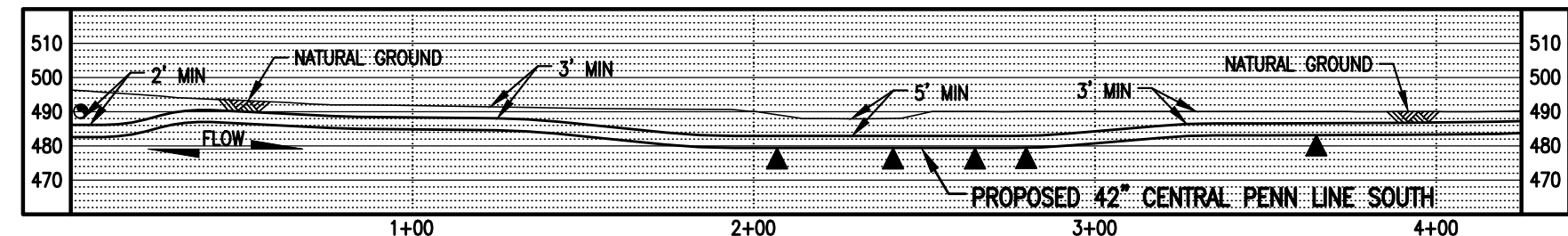


LEGEND		WOOD GROUP MUSTANG, INC.	
	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS
	EXISTING PIPELINES		PHOTO DATA POINT
	EXISTING TGPL R/W		WETLAND DATA POINT
	LIMITS OF DISTURBANCE		UPLAND DATA POINT
	PROPOSED CPLS R/W		WELL POINT
	PROPERTY LINE		TRENCH PLUG
	FOREIGN PIPELINE		WATERBODY
	WETLAND AREA		TREE LINE
	STREAM FLOW		PERMANENT STREAM IMPACT
	EXISTING POWER LINE		TEMPORARY STREAM IMPACT
	EXISTING FENCE		FLOODWAY BOUNDARY
			FEMA FLOODWAY BOUNDARY

DRAWING NO.		REFERENCE TITLE	
		TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS ATLANTIC SUNRISE PROJECT PROPOSED 42" CENTRAL PENN LINE SOUTH STREAM CROSSING WW-T40-6002 M-0205 M.P. 0.15 UNION TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA	
NO.	DATE	BY	REVISION DESCRIPTION
0	11/02/16	MF	ISSUED FOR PADEP SUBMITTAL #2
W.O. NO.	CHK.	APP.	DRAWN BY: MF
1161503	CLR	MJH	DATE: 06/20/16
			ISSUED FOR BID: SCALE: 1" = 50'
			CHECKED BY: CLR
			DATE: 07/06/16
			ISSUED FOR CONSTRUCTION: REVISION: 0
			APPROVED BY: MJH
			DATE: 07/06/16
			DRAWING NUMBER: 24-1600-70-09-A/AR-LE-050.3-01 SHEET 1
			11-38am 10/12/2016 vqtran OF 1
			W.O. NO.: 1161503



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: 1" = 50' HORIZONTAL
1" = 50' VERTICAL

STREAM DISTURBANCE:

STREAM WW-T23-6003	ACRE
TEMPORARY STREAM DISTURBANCE	0.0560
PERMANENT STREAM DISTURBANCE	0.0076
TOTAL STREAM DISTURBANCE	0.0636
TEMPORARY FLOODWAY DISTURBANCE	0.2584
PERMANENT FLOODWAY DISTURBANCE	0.0306
TOTAL FLOODWAY DISTURBANCE	0.2890

STREAM DIMENSION	FT.
STREAM WIDTH (TOB TO TOB)	33.26
STREAM LENGTH	96.62

GENERAL NOTES:

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP (DPX). EQUIPMENT TO CROSS STREAM UTILIZING A BRIDGE EQUIPMENT CROSSING (BEC).
2. THIS SITE IS LOCATED WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD MAP DATA.
3. STATION 1+00 SHOWN IS EQUAL TO STATION 3100+54 ON THE EROSION AND SEDIMENT CONTROL PLAN.

SURVEY NOTES:

1. T.B.M. SURVEY CONTROL POINT - 20' RT. OF M.P. 58.71, ELEV.= 492.39' (NAVD88).



LEGEND

	PROPOSED 42" CENTRAL PENN LINE SOUTH		WETLAND FLAGS		WOOD GROUP MUSTANG, INC.
	EXISTING PIPELINES		PHOTO DATA POINT		12" SEDIMENT BARRIER
	EXISTING TGPL R/W		WETLAND DATA POINT		18" SEDIMENT BARRIER
	LIMITS OF DISTURBANCE		UPLAND DATA POINT		24" SEDIMENT BARRIER
	PROPOSED CPLS R/W		WELL POINT		32" SEDIMENT BARRIER
	PROPERTY LINE		TRENCH PLUG		PERMANENT STREAM IMPACT
	FOREIGN PIPELINE		WATERBODY		TEMPORARY STREAM IMPACT
	WETLAND AREA		TREE LINE		FLOODWAY BOUNDARY
	STREAM FLOW		FEMA FLOODWAY BOUNDARY		
	EXISTING POWER LINE				
	EXISTING FENCE				

DRAWING NO.		REFERENCE TITLE		TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS ATLANTIC SUNRISE PROJECT PROPOSED 42" CENTRAL PENN LINE SOUTH STREAM CROSSING WW-T23-6003 © M.P. 58.75 UNION TOWNSHIP, LEBANON COUNTY, PENNSYLVANIA	
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK. APP.
0	08/19/15	CR	ISSUED FOR PADEP 105 PERMIT	1161503	CLR MJH
1	02/03/16	AT	ISSUED FOR INTERNAL USE	1161503	CLR MJH
2	11/02/16	AT	ISSUED FOR PADEP SUBMITTAL #2	1161503	CLR MJH
DRAWN BY: TL		DATE: 03/13/15	ISSUED FOR BID:	SCALE: 1" = 50'	
CHECKED BY: CLR		DATE: 05/23/15	ISSUED FOR CONSTRUCTION:	REVISION: 2	
APPROVED BY: MJH		DATE: 05/25/15	DRAWING NUMBER: 24-1600-70-09-A/58.75-01	SHEET 1	
IWO: 1161503		10/12/2016		OF 1	



FedEx® Tracking

777595736806

Ship date:

Mon 10/31/2016

Actual delivery:

Tue 11/01/2016 10:10 am

B L COMPANIES

Suzan Lacey
Suite 220
19500 State Hwy 249
Houston, TX US 77070
281 671-5139

Delivered

Signed for by: H.LERCH



East Hanover Township

Floodplain Administrator
1117 School House Road
ANNVILLE, PA US 17003
717 943-1686

Travel History

Date/Time	Activity	Location
11/01/2016 - Tuesday		
10:10 am	Delivered	ANNVILLE, PA
8:21 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:52 am	At local FedEx facility	MIDDLETOWN, PA
6:59 am	At destination sort facility	MIDDLETOWN, PA
4:14 am	Departed FedEx location	MEMPHIS, TN
10/31/2016 - Monday		
11:37 pm	Arrived at FedEx location	MEMPHIS, TN
8:37 pm	Left FedEx origin facility	HOUSTON, TX
6:39 pm	Picked up	HOUSTON, TX
5:44 pm	Picked up	KINGWOOD, TX
11:31 am	Tendered at FedEx Office	
	Shipment information sent to FedEx	

Shipment Facts

Tracking number	777595736806	Service	FedEx Priority Overnight
Weight	0.5 lbs / 0.23 kgs	Delivery attempts	1
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	0.5 lbs / 0.23 kgs	Terms	Not Available
Packaging	FedEx Envelope	Special handling section	Deliver Weekday
Standard transit	11/01/2016 by 10:30 am		



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777595835960

Ship date:

Mon 10/31/2016

Houston, TX US

Actual delivery:

Tue 11/01/2016 2:54 pm

ANNVILLE, PA US

DeliveredOn FedEx vehicle for delivery
Signed for by: E.MEYER

Travel History

Date/Time	Activity	Location
11/01/2016 - Tuesday		
2:54 pm	Delivered	ANNVILLE, PA
8:26 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:52 am	At local FedEx facility	MIDDLETOWN, PA
6:59 am	At destination sort facility	MIDDLETOWN, PA
4:14 am	Departed FedEx location	MEMPHIS, TN
10/31/2016 - Monday		
11:37 pm	Arrived at FedEx location	MEMPHIS, TN
8:37 pm	Left FedEx origin facility	HOUSTON, TX
6:39 pm	Picked up	HOUSTON, TX
5:44 pm	Picked up	KINGWOOD, TX
	Tendered at FedEx Office	
11:42 am	Shipment information sent to FedEx	

Shipment Facts

Tracking number	777595835960	Service	FedEx Standard Overnight
Weight	0.5 lbs / 0.23 kgs	Delivered To	Receptionist/Front Desk
Total pieces	1	Total shipment weight	0.5 lbs / 0.23 kgs
Terms	Shipper	Packaging	FedEx Envelope
Special handling section	Deliver Weekday	Standard transit	11/01/2016 by 3:00 pm



Search or tracking number Subr

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FedEx SupplyChain**Follow FedEx** United States - English

Ask FedEx

Lacey, Suzan

From: TrackingUpdates@fedex.com
Sent: Tuesday, November 01, 2016 1:57 PM
To: Lacey, Suzan
Subject: FedEx Shipment 777595835960 Delivered

Your package has been delivered

Tracking # 777595835960

Ship date:
Mon, 10/31/2016

Delivery date:
Tue, 11/1/2016 2:54 pm

Suzan Lacey
B L COMPANIES
Houston, TX 77070
US



Floodplain Administrator
North Annville Township
1020 North Route 934
ANNVILLE, PA 17003
US



Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: 777595835960

Status: Delivered: 11/01/2016 2:54 PM
Signed for By: E.MEYER

Signed for by: E.MEYER

Delivery location: ANNVILLE, PA

Delivered to: Receptionist/Front Desk

Service type: FedEx Standard Overnight

Packaging type: FedEx Envelope

Number of pieces: 1

Weight: 0.50 lb.

Special handling/Services: Deliver Weekday

Standard transit: 11/1/2016 by 3:00 pm

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FedEx® Tracking

777595946732

Ship date:
Mon 10/31/2016

Actual delivery:
Tue 11/01/2016 4:24 pm

Houston, TX US

Delivered

*On FedEx vehicle for delivery
Signed for by: B. SUTCLIFFE*

LEBANON, PA US

Travel History

Date/Time	Activity	Location
11/01/2016 - Tuesday		
4:24 pm	Delivered	LEBANON, PA
8:23 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:53 am	At local FedEx facility	MIDDLETOWN, PA
6:59 am	At destination sort facility	MIDDLETOWN, PA
4:14 am	Departed FedEx location	MEMPHIS, TN
10/31/2016 - Monday		
11:37 pm	Arrived at FedEx location	MEMPHIS, TN
8:37 pm	Left FedEx origin facility	HOUSTON, TX
6:39 pm	Picked up	HOUSTON, TX
5:44 pm	Picked up	KINGWOOD, TX
	Tendered at FedEx Office	
11:43 am	Shipment information sent to FedEx	

Shipment Facts

Tracking number	777595946732	Service	FedEx Standard Overnight
Weight	0.5 lbs / 0.23 kgs	Delivered To	Receptionist/Front Desk
Total pieces	1	Total shipment weight	0.5 lbs / 0.23 kgs
Terms	Shipper	Packaging	FedEx Envelope
Special handling section	Deliver Weekday	Standard transit	11/01/2016 by 8:00 pm



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FedEx Freight
FedEx Custom Critical
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FedEx SupplyChain

Follow FedEx

United States - English

Ask FedEx

Lacey, Suzan

From: trackingupdates@fedex.com
Sent: Tuesday, November 01, 2016 3:27 PM
To: Lacey, Suzan
Subject: FedEx Shipment 777595946732 Delivered

Your package has been delivered

Tracking # 777595946732

Ship date:
Mon, 10/31/2016

Suzan Lacey
B L COMPANIES
Houston, TX 77070
US

Delivery date:
Tue, 11/1/2016 4:24 pm

Floodplain Administrator
South Annville Township
1042 Horseshoe Pike
LEBANON, PA 17042
US



Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number: [777595946732](#)

Status: Delivered: 11/01/2016 4:24 PM
Signed for By: B.SUTCLIFFE

Signed for by: B.SUTCLIFFE

Delivery location: LEBANON, PA

Delivered to: Receptionist/Front Desk

Service type: FedEx Standard Overnight


Packaging type: FedEx Envelope

Number of pieces: 1

Weight: 0.50 lb.

Special handling/Services: Deliver Weekday

Standard transit: 11/1/2016 by 8:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 3:27 PM CDT on 11/01/2016.



FedEx® Tracking

777596039445

Ship date:
Mon 10/31/2016

B L COMPANIES
Suzan Lacey
Suite 220
19500 State Hwy 249
Houston, TX US 77070
281 671-5139

Delivered

On FedEx vehicle for delivery
Signed for by: M.CRAWFORD



Actual delivery:
Tue 11/01/2016 12:21 pm

South Londonderry Township
Floodplain Administrator
20 West Market Street
CAMPBELLTOWN, PA US 17010
717 943-1686

Travel History

Date/Time	Activity	Location
- 11/01/2016 - Tuesday		
12:21 pm	Delivered	CAMPBELLTOWN, PA
8:20 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:53 am	At local FedEx facility	MIDDLETOWN, PA
6:59 am	At destination sort facility	MIDDLETOWN, PA
4:14 am	Departed FedEx location	MEMPHIS, TN
- 10/31/2016 - Monday		
11:37 pm	Arrived at FedEx location	MEMPHIS, TN
8:37 pm	Left FedEx origin facility	HOUSTON, TX
6:39 pm	Picked up	HOUSTON, TX
5:44 pm	Picked up	KINGWOOD, TX
11:52 am	Tendered at FedEx Office	
	Shipment information sent to FedEx	

Shipment Facts

Tracking number	777596039445	Service	FedEx Standard Overnight
Weight	0.5 lbs / 0.23 kgs	Delivery attempts	1
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	0.5 lbs / 0.23 kgs	Terms	Not Available
Packaging	FedEx Envelope	Special handling section	Deliver Weekday
Standard transit	11/01/2016 by 3:00 pm		



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777596120358

Ship date:

Mon 10/31/2016

Actual delivery:

Tue 11/01/2016 10:31 am

B L COMPANIES

Suzan Lacey
Suite 220
19500 State Hwy 249
Houston, TX US 77070
281 671-5139

Delivered

Signed for by: L LEHMAN



Union Township

Floodplain Administrator
3111 S.R. 72
JONESTOWN, PA US 17038
717 943-1686

Travel History

Date/Time	Activity	Location
- 11/01/2016 - Tuesday		
10:31 am	Delivered	JONESTOWN, PA
8:20 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:56 am	At local FedEx facility	MIDDLETOWN, PA
6:59 am	At destination sort facility	MIDDLETOWN, PA
4:14 am	Departed FedEx location	MEMPHIS, TN
- 10/31/2016 - Monday		
11:37 pm	Arrived at FedEx location	MEMPHIS, TN
8:37 pm	Left FedEx origin facility	HOUSTON, TX
6:39 pm	Picked up	HOUSTON, TX
5:44 pm	Picked up	KINGWOOD, TX
11:54 am	Tendered at FedEx Office	
	Shipment information sent to FedEx	

Shipment Facts

Tracking number	777596120358	Service	FedEx Standard Overnight
Weight	0.5 lbs / 0.23 kgs	Delivery attempts	1
Delivered To	Receptionist/Front Desk	Total pieces	1
Total shipment weight	0.5 lbs / 0.23 kgs	Terms	Not Available
Packaging	FedEx Envelope	Special handling section	Deliver Weekday
Standard transit	11/01/2016 by 4:30 pm		



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