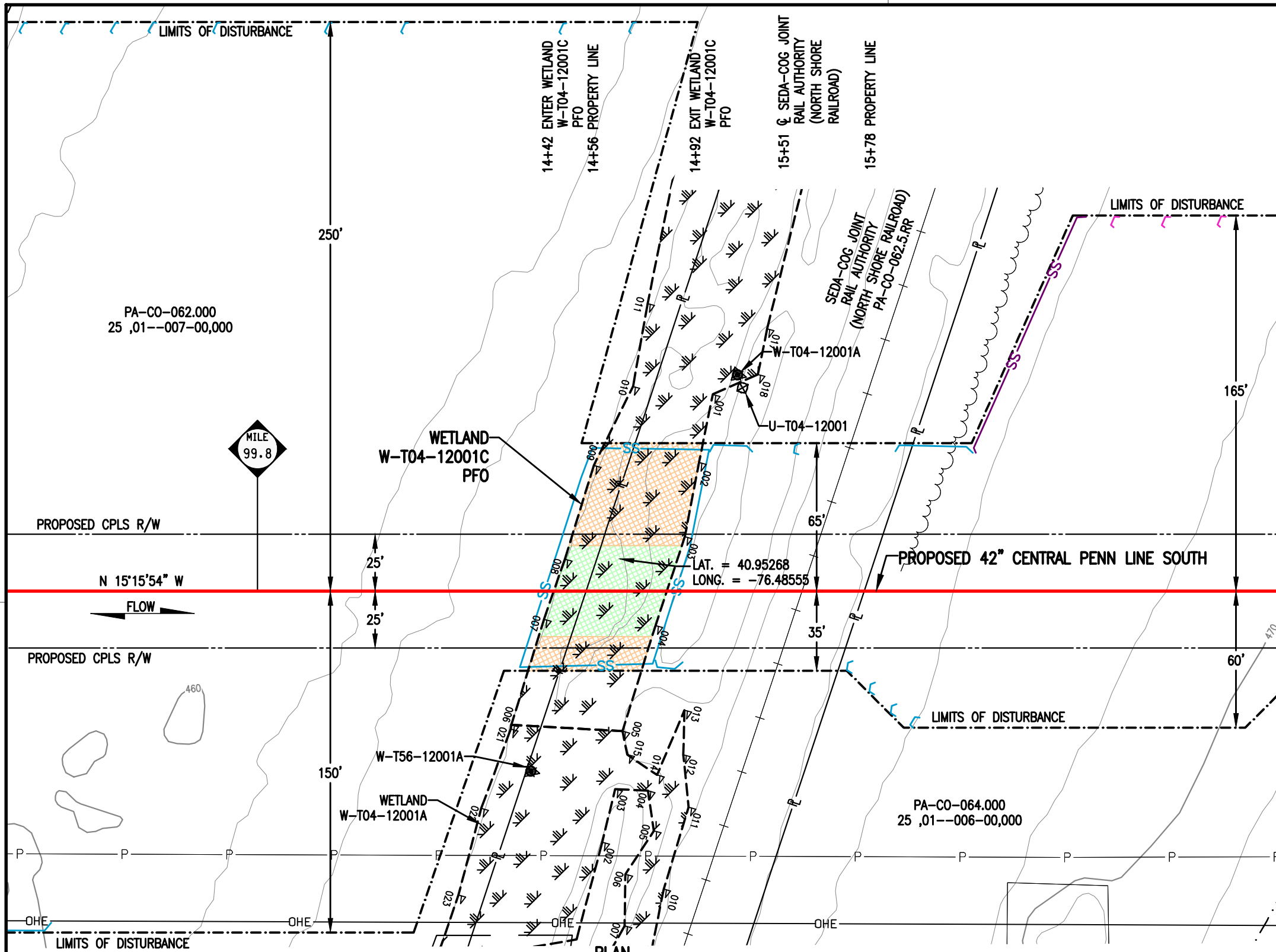


*Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application  
Transcontinental Gas Pipe Line Company, LLC  
Columbia County*

**ATTACHMENT H-3  
HDD AND CONVENTIONAL BORE CONTINGENCIES  
IMPACT MAPPING  
(UNDER SEPARATE COVER)**

*Revised July 2017*



**WETLAND DISTURBANCE:**

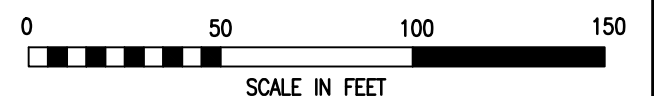
WETLAND W-T04-12001C	ACRE
TEMPORARY DISTURBANCE	0.0660
PERMANENT DISTURBANCE	0.0456
<b>TOTAL DISTURBANCE</b>	<b>0.1116</b>

**NOTES:**

1. UTILIZE A WETLAND EQUIPMENT CROSSING (WEC) AND CONVENTIONAL BORE (WBX.1).
2. STATION 14+00 SHOWN IS EQUAL TO STATION 5270+32 ON THE EROSION AND SEDIMENT CONTROL PLAN.

**SURVEY NOTES:**

1. T.B.M. SURVEY CONTROL POINT - 26' LT. OF M.P. 99.84, ELEV. = 466.22' (NAVD88).



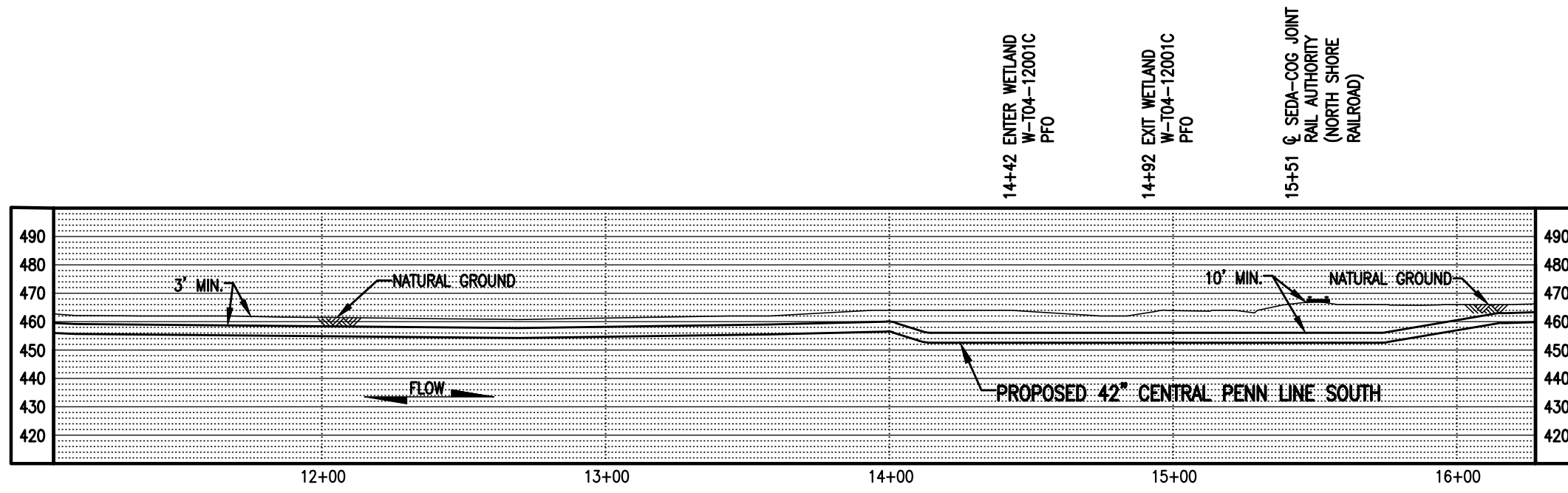
LEGEND	
	PROPOSED 42" CENTRAL PENN LINE SOUTH
	EXISTING PIPELINES
	EXISTING TGPL R/W
	LIMITS OF DISTURBANCE
	PROPOSED CPLS R/W
	PROPERTY LINE
	FOREIGN PIPELINE
	WETLAND AREA
	EXISTING POWER LINE
	EXISTING FENCE
	WETLAND FLAGS
	PHOTO DATA POINT
	WETLAND DATA POINT
	UPLAND DATA POINT
	WELL POINT
	TRENCH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

DRAWING NO.		REFERENCE TITLE				
24-1600-70-20-A/99.82-01		WATER OBSTRUCTION AND ENCROACHMENT PERMIT IMPACT MAPS				
NO.	DATE	BY	REVISION DESCRIPTION	W.O. NO.	CHK.	APP.
0	04/12/17	THL	ISSUED FOR PADEP SUBMITTAL #3	1161503	CLR	MJH

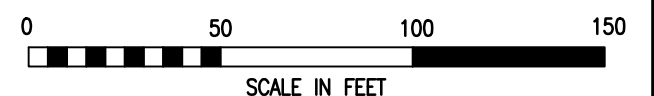
**TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC**  
**CONTINGENCY PLAN IMPACT MAPS**  
**ATLANTIC SUNRISE PROJECT**  
**PROPOSED 42" CENTRAL PENN LINE SOUTH**  
**WETLAND CROSSING W-T04-12001C**  
**● M.P. 99.83**  
**MONTOUR TOWNSHIP, COLUMBIA COUNTY, PENNSYLVANIA**

DRAWN BY: THL	DATE: 04/03/17	ISSUED FOR BID:	SCALE: 1" = 50'
CHECKED BY: CLR	DATE: 04/03/17	ISSUED FOR CONSTRUCTION:	REVISION: 0
APPROVED BY: MJH	DATE: 04/03/17	DRAWING NUMBER: 24-1600-70-20A-A/99.82-01	SHEET 1
WO: 1161503		8/56m 4/28/2017 t2ie	OF 2

WETLAND DISTURBANCE:  
SEE TABLE ON SHEET 1 OF 2



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



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
	EXISTING POWER LINE		FLOODWAY BOUNDARY
	EXISTING FENCE		FEMA FLOODWAY BOUNDARY
	12" SEDIMENT BARRIER		PERMANENT WETLAND IMPACT
	18" SEDIMENT BARRIER		TEMPORARY WETLAND IMPACT
	24" SEDIMENT BARRIER		
	32" SEDIMENT BARRIER		
	TOP OF BANK		

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**TRANSCONTINENTAL GAS PIPE LINE COMPANY LLC**  
**CONTINGENCY PLAN IMPACT MAPS**  
**ATLANTIC SUNRISE PROJECT**  
**PROPOSED 42" CENTRAL PENN LINE SOUTH**  
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**MONTOUR TOWNSHIP, COLUMBIA COUNTY, PENNSYLVANIA**

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APPROVED BY: MJH	DATE: 04/03/17	DRAWING NUMBER: 24-1600-70-20A-A/99.82-01	SHEET 2
WO: 1161503		857am 4/28/2017 t2.e	OF 2