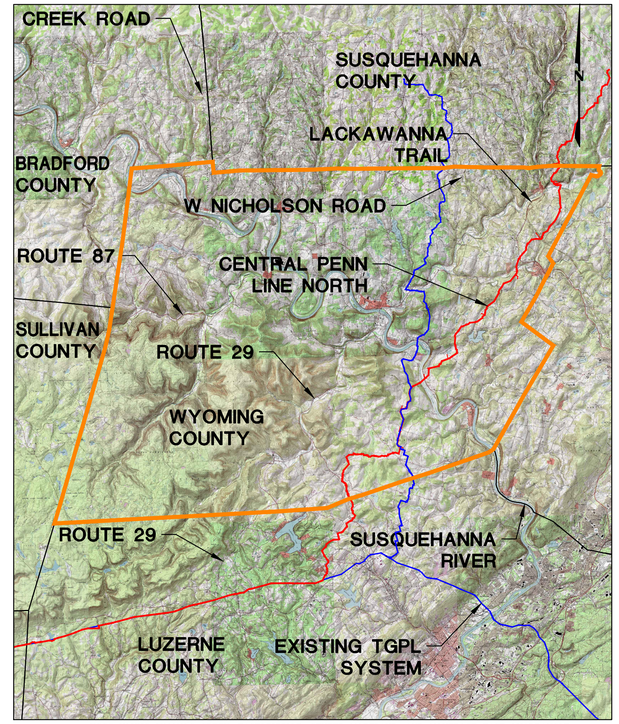
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
EROSION & SEDIMENT CONTROL AND LAYOUT PLANS FOR ACCESS ROADS
ATLANTIC SUNRISE PROJECT
PROPOSED 30"
CENTRAL PENN LINE NORTH

MONROE, NORTHMORELAND, EATON, FALLS, OVERFIELD, CLINTON, & NICHOLSON TOWNSHIPS
WYOMING COUNTY, PENNSYLVANIA

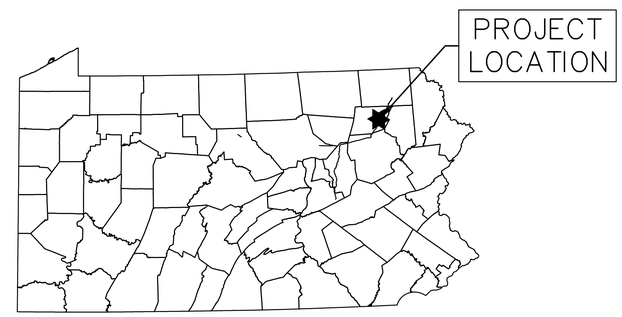
ROAD NAME & TYPE	DRAWING NO.	SHEET NO.	DRAWING NAME
GENERAL OVERALL	24-1601-70-28-A/1683_3-AR-WY	1 of 4	COVER SHEET REVISED
		2 of 4	LOCATION MAP & ACCESS ROAD INDEX
		3 of 4	TYPICAL SECTIONS
		4 of 4	TYPICAL SECTIONS ***AND NOTES***
~~***AR-WY-021 Proposed Temporary***~~	~~***24-1601-70-28-A/1683_3-AR-WY-021***~~	~~***1 of 3***~~	~~***ACCESS ROADS – ROADWAY LAYOUT AND PROFILE***~~
		~~***2 of 3***~~	~~***ACCESS ROADS – SOIL EROSION CONTROL PLAN***~~
		~~***3 of 3***~~	~~***ACCESS ROADS – SITE RESTORATION PLAN***~~
AR-WY-021.1 Proposed Temporary	***24-1601-70-28-A/1683_3-AR-WY-021.1***	***1 of 3***	***ACCESS ROADS - ROADWAY LAYOUT AND PROFILE***
		2 of 3	***ACCESS ROADS - SOIL EROSION CONTROL PLAN***
		3 of 3	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-021.2 Proposed Temporary	***24-1601-70-28-A/1683_3-AR-WY-021.2***	***1 of 3***	***ACCESS ROADS - ROADWAY LAYOUT AND PROFILE***
		2 of 3	***ACCESS ROADS - SOIL EROSION CONTROL PLAN***
		3 of 3	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-021.3 Proposed Temporary	***24-1601-70-28-A/1683_3-AR-WY-021.3***	***1 of 3***	***ACCESS ROADS - ROADWAY LAYOUT AND PROFILE***
		2 of 3	***ACCESS ROADS - SOIL EROSION CONTROL PLAN***
		3 of 3	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-021.4 Proposed Temporary	***24-1601-70-28-A/1683_3-AR-WY-021.4***	***1 of 3***	***ACCESS ROADS - ROADWAY LAYOUT AND PROFILE***
		2 of 3	***ACCESS ROADS - SOIL EROSION CONTROL PLAN***
		3 of 3	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-021.5 Proposed Temporary	***24-1601-70-28-A/1683_3-AR-WY-021.5***	***1 of 3***	***ACCESS ROADS - ROADWAY LAYOUT AND PROFILE***
		2 of 3	***ACCESS ROADS - SOIL EROSION CONTROL PLAN***
		3 of 3	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-023 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-023	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-025 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-025	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-026 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-026	1 of 4	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 4	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		3 of 4	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		4 of 4	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-027 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-027	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-027.1 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-027.1	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-028 Proposed Permanent	24-1601-70-28-A/1683_3-AR-WY-028	1 ***of 3***	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 ***of 3***	ACCESS ROADS - SOIL EROSION CONTROL
		3 of 3	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-029 Proposed ***Temporary***	24-1601-70-28-A/1683_3-AR-WY-029	1 of 4	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 4	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		3 of 4	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		4 of 4	***ACCESS ROADS - SITE RESTORATION PLAN***
AR-WY-030 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-030	1 of 4	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 4	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		3 of 4	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		4 of 4	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-031 Proposed Termporary	24-1601-70-28-A/1683_3-AR-WY-031	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-032 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-032	1 of 5	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 5	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		3 of 5	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		4 of 5	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		5 of 5	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-034.1 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-034.1	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-036 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-036	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN REVISED
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
~~AR-WY-036.1 Proposed Temporary~~	~~24-1601-70-28-A/1683_3-AR-WY-036.1~~	~~1 of 4~~	~~ACCESS ROADS - ROADWAY LAYOUT AND PROFILE~~
		~~2 of 4~~	~~ACCESS ROADS - ROADWAY LAYOUT AND PROFILE~~
		~~3 of 4~~	~~ACCESS ROADS - SOIL EROSION CONTROL PLAN~~
		~~4 of 4~~	~~ACCESS ROADS - SITE RESTORATION PLAN~~
AR-WY-039 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-039	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
AR-WY-039.1 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-039.1	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
~~AR-WY-040 Proposed Temporary~~	~~24-1601-70-28-A/1683_3-AR-WY-040.2~~	~~1 of 5~~	~~ACCESS ROADS - ROADWAY LAYOUT AND PROFILE~~
		~~2 of 5~~	~~ACCESS ROADS - ROADWAY LAYOUT AND PROFILE~~
		~~3 of 5~~	~~ACCESS ROADS - ROADWAY LAYOUT AND PROFILE~~
		~~4 of 5~~	~~ACCESS ROADS - SOIL EROSION CONTROL PLAN~~
		~~5 of 5~~	~~ACCESS ROADS - POST CONSTRUCTION STORMWATER MANAGEMENT PLAN~~
~~AR-WY-040.1 Proposed Temporary~~	~~24-1601-70-28-A/1683_3-AR-WY-040.1~~	~~1 of 3~~	~~ACCESS ROADS – ROADWAY LAYOUT AND PROFILE~~
		~~2 of 3~~	~~ACCESS ROADS - SOIL EROSION CONTROL PLAN~~
		~~3 of 3~~	~~ACCESS ROADS - POST CONSTRUCTION STORMWATER MANAGEMENT PLAN~~
AR-WY-040.2 Proposed Temporary	24-1601-70-28-A/1683_3-AR-WY-040.2	1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN



USGS YOUNG WOMAN'S CREEK, FACTORYVILLE, CENTER MORELAND, AND MONTROSE EAST QUADRANGLE

VICINITY MAP

SCALE: 1"=20,000'



SOIL TYPES AND LIMITATIONS

MAP UNIT NAME	MAP UNIT DESIGNATION	CUTBANKS CAVE	CORROSIVE TO CONCRETE/STEEL	DROUGHTY	EASILY ERODIBLE	FLOODING	DEPTH TO SATURATED ZONE/SEASONAL HIGH WATER TABLE	HYDRIC/HYDRIC INCLUSIONS	LOW STRENGTH / LANDSLIDE PRONE	SLOW PERCOLATION	PIPING	POOR SOURCE OF TOPSOIL	FROST ACTION	SHRINK - SWELL	POTENTIAL SINKHOLE	PONDING	WETNESS
ArC	ARNOT VERY CHANNERY SILT LOAM, VERY ROCKY, 3 TO 15 PERCENT SLOPES	X	C	X	X				X	X		X	X				
AsD	ARNOT-ROCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES	X	C	X	X				X	X		X	X				
At	ATHERTON LOAM, PONDED, 0 TO 3 PERCENT SLOPES	X	S				X	X	X	X	X	X	X		X	X	
BbD	BATH CHANNERY SILT LOAM, 8 TO 25 PERCENT SLOPES, RUBBLY	X	C/S				X	X		X		X	X				
LaB	LACKAWANNA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C	X			X	X	X			X	X				X
LeC	LORDSTOWN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X				X	X	X		X				
LfB	LORDSTOWN FLAGGY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X				X	X	X		X				
LxD	LORDSTOWN EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES	X	C	X	X				X	X	X		X				
McB	MARDIN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	S	X	X		X	X	X	X	X		X				X
McC	MARDIN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	S	X	X		X	X	X	X	X		X				X
MfC	MARDIN FLAGGY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	S	X	X		X	X	X	X	X		X				X
MhD	MARDIN EXTREMELY STONY SILT LOAM, 8 TO 25 PERCENT SLOPES, RUBBLY	X	S	X	X		X	X	X	X	X		X				X
MrB	MORRIS CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X		X	X				X
MrC	MORRIS CHANNERY LOAM, 8 TO 18 PERCENT SLOPES	X	C/S	X	X		X	X	X	X		X	X				X
MsB	MORRIS FLAGGY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X		X	X				X
NcB	NORWICH AND CHIPPEWA CHANNERY SILT LOAMS, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X		X	X			X	X
NxB	NORWICH AND CHIPPEWA CHANNERY SILT LOAMS, 0 TO 8 PERCENT SLOPES, RUBBLY	X	C/S	X	X		X	X	X	X		X	X			X	X
OcB	OQUAGA CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X			X		X			X				
OcC	OQUAGA CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X			X		X			X				
OcD	OQUAGA CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	X	C	X	X			X		X			X				
OfB	OQUAGA FLAGGY LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X			X		X			X				
OfC	OQUAGA FLAGGY LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X			X		X			X				
OxD	OQUAGA EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	X	C	X	X			X		X			X				
OYE	OQUAGA AND LORDSTOWN EXTREMELY STONY LOAM, STEEP	X	C	X	X			X	X	X	X		X				
Pp	POPE SOILS, RARELY FLOODED, 0 TO 3 PERCENT SLOPES	X	C/S		X	X		X	X	X	X	X	X				
SxD	SWARTSWOOD EXTREMELY STONY LOAM, 8 TO 25 PERCENT SLOPES	X	C	X	X		X		X	X	X	X					
UnB	UNADILLA SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C		X			X	X	X	X		X				
UnC	UNADILLA SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C		X			X	X	X	X		X				
VcB	VOLUSIA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X	X	X				
VcC	VOLUSIA CHANNERY SILT LOAM, 8 TO 18 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X	X	X				
WcB	WELLSBORO CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X		X				X
WcC	WELLSBORO CHANNERY LOAM, 8 TO 15 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X		X				X
WcD	WELLSBORO CHANNERY LOAM, 15 TO 25 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X		X				X
WfC	WELLSBORO FLAGGY LOAM, 8 TO 15 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X		X				X
WgB	WELLSBORO EXTREMELY STONY LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X		X				X
WyB	WYOMING GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES	X	C	X				X		X		X					
WyC	WYOMING GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES	X	C	X				X		X		X					
WyD	WYOMING GRAVELLY SANDY LOAM, 15 TO 25 PERCENT SLOPES	X	C	X				X		X		X					
WyE	WYOMING GRAVELLY SANDY LOAM, 25 TO 45 PERCENT SLOPES	X	C	X				X		X		X					

LEGEND

X	APPLIES TO SOIL
S	CORROSIVE TO STEEL
C	CORROSIVE TO CONCRETE
C/S	CORROSIVE TO STEEL AND CONCRETE

ABBREVIATIONS

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	INV	INVERT
		L	LENGTH, LEFT
		LOD	LIMIT OF DISTURBANCE
ABACT	ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES	MF	MIGRATORY FISHES
		MLV	MAIN LINE VALVE
APPROX.	APPROXIMATE	N/A	NOT APPLICABLE
AR	ACCESS ROAD	PADEP	PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
AC.	ACRE/ACRES		
BMP	BEST MANAGEMENT PRACTICES	PR	PROPOSED
CWF	COLDWATER FISHES	R	RIGHT
D	DEPTH	RCP	REINFORCED CONCRETE PIPE
D.I.P.	DUCTILE IRON PIPE	STA	STATION
E&S	EROSION AND SEDIMENT CONTROL	TGPL	TRANSCONTINENTAL GAS PIPE LINE
ESCGP-2	EROSION AND SEDIMENT CONTROL GENERAL PERMIT - 2	TSF	TROUT STOCKED FISHERY
		TYP.	TYPICAL
EV	EXCEPTIONAL VALUE	UNK	UNKNOWN
EX	EXISTING	UNT	UNNAMED TRIBUTARY
GTD	GRADE TO DRAIN	V	VERTICAL
H	HORIZONTAL	W	WIDTH
HQ	HIGH QUALITY	WWF	WARMWATER FISHES

811 Know what's below. Call before you dig.

PENNSYLVANIA ACT 287 (1974) AS AMENDED BY PENNSYLVANIA ACT 199 (2004) REQUIRES NO LESS THAN THREE (3) WORKING DAYS AND NO MORE THAN (10) WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH.

NOTE: FULL ROADS THAT ARE CROSSED OUT IN THE ABOVE TABLE HAVE BEEN REMOVED FROM THE PROJECT. PCSM PLANS THAT ARE CROSSED OUT IN THE ABOVE TABLE HAVE BEEN MOVED TO THE SEPARATE PCSM PLAN SET.

ENGINEER OF RECORD
BL COMPANIES
4242 CARLISLE PIKE, SUITE 260
CAMP HILL, PA 17011
P:717-651-9850
F:717-651-9858

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER SUZANNE MARIE KING PE082757

SUZANNE KING REG NO. PE 082757

BL Companies ARCHITECTURE ENGINEERING ENVIRONMENTAL LAND SURVEYING

REVISIONS

NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/28/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	02/04/2016	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
3	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
4	APRIL 2017	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #2	1161481	DAK	SMK
5	***AUG. 2017***	***BL***	***PADEP TECHNICAL DEFICIENCY RESPONSE #3***	***1161481***	***DAK***	***SMK***

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

ATLANTIC SUNRISE PROJECT – PROPOSED 30" CENTRAL PENN LINE NORTH

ACCESS ROADS
WYOMING COUNTY, PENNSYLVANIA

Williams GAS PIPELINE

COVER SHEET

DRAWN BY: OLC	DATE: 03/2015	ISSUED FOR BID:		SCALE:	
CHECKED BY: DAK	DATE: 05/09/15	ISSUED FOR CONSTRUCTION:		REVISION: 5	
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-WY		SHEET 1 OF 4	
WO: WO1161481					

Drawn By & Date/Time: sking Jul 27, 2017 - 4:09pm
Drawing Location & Name: C:\JOBS\14(AC)\1404909\DWG\010-CPLN\RL_CV1404909(10)_WY.dwg