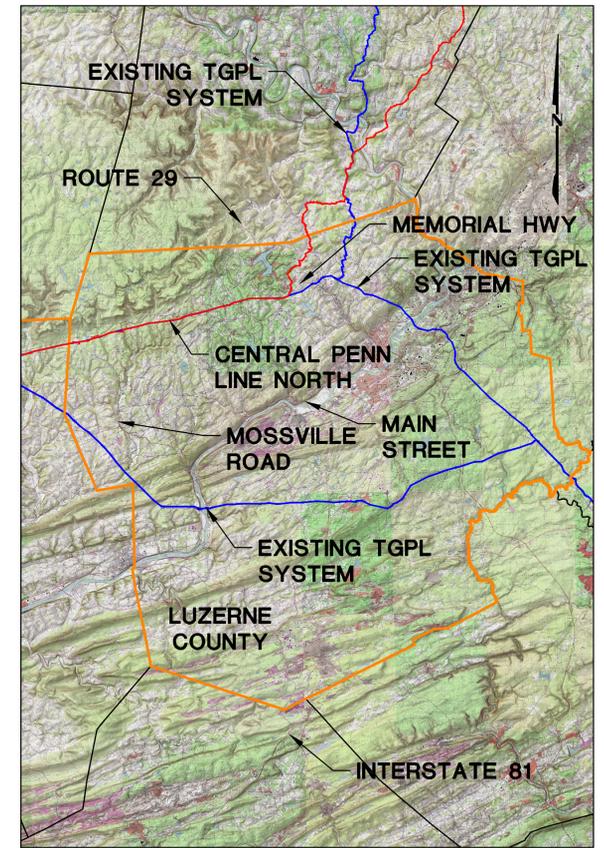


TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC EROSION & SEDIMENT CONTROL AND LAYOUT PLANS FOR ACCESS ROADS ATLANTIC SUNRISE PROJECT PROPOSED 30" CENTRAL PENN LINE NORTH

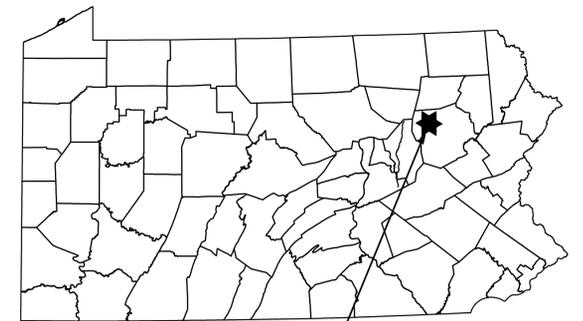
FAIRMOUNT, ROSS, LAKE, LEHMAN, & DALLAS TOWNSHIPS
LUZERNE COUNTY, PENNSYLVANIA



USGS YOUNG WOMAN'S CREEK, HARVEYS LAKE, RED ROCK, AND PITTSFORD QUADRANGLE

VICINITY MAP

SCALE: 1"=30,000'



PROJECT LOCATION

LEGEND

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

ROAD NAME & TYPE	DRAWING NO.	SHEET NO.	DRAWING NAME
GENERAL OVERALL	24-1601-70-28-A/1683_3-AR-LU	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-LU-006 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-006	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-LU-007.1 Proposed Permanent	24-1601-70-28-A/1683_3-AR-LU-007.1	1 of 2	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 2	ACCESS ROADS - SOIL EROSION CONTROL PLAN
AR-LU-008 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-008	1 of 8	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 8	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		3 of 8	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		4 of 8	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		5 of 8	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		6 of 8	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		7 of 8	ACCESS ROADS - SITE RESTORATION PLAN
		8 of 8	ACCESS ROADS - SITE RESTORATION PLAN
AR-LU-009 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-009	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-LU-009.1 Proposed Permanent	24-1601-70-28-A/1683_3-AR-LU-009.1	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-LU-011 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-011	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-LU-012 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-012	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-LU-014 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-014	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-LU-015 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-015	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-LU-017 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-017	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-LU-019 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-019	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-LU-020 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-020	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 REVISED
		4 of 4	ACCESS ROADS - SITE RESTORATION PLAN
AR-LU-020.1 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-020.1	1 of 1	ACCESS ROADS - SOIL EROSION CONTROL AND SITE RESTORATION PLAN
		1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
		2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
AR-LU-020.2 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-020.2	2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN
		1 of 3	ACCESS ROADS - ROADWAY LAYOUT AND PROFILE REVISED
AR-LU-020.3 Proposed Temporary	24-1601-70-28-A/1683_3-AR-LU-020.3	2 of 3	ACCESS ROADS - SOIL EROSION CONTROL PLAN REVISED
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN REVISED
		3 of 3	ACCESS ROADS - SITE RESTORATION PLAN REVISED

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.

ABBREVIATIONS

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

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
Ag	ALLUVIAL LAND, 0 TO 5 PERCENT SLOPES	X	C/S		X	X	X	X	X	X	X	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
BrB	BRACEVILLE GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X	X	X	X	X	X	X
ChA	CHENANGO GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ChB	CHENANGO GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ChC	CHENANGO GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Ho	HOLLY SILT LOAM, 0 TO 3 PERCENT SLOPES	X	C/S				X	X	X	X	X	X	X	X	X	X	X
LaB	LACKAWANNA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LaC	LACKAWANNA CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LcB	LACKAWANNA VERY STONY LOAM, 0 TO 12 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LcD	LACKAWANNA VERY STONY LOAM, 12 TO 35 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MoB	MORRIS CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MoC	MORRIS CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OpD	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OxF	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS STEEP	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X
RdA	REXFORD LOAM, 0 TO 3 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WIB	WELLSBORO CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WIC	WELLSBORO CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WmB	WELLSBORO VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WyD	WYOMING GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X	X	X	X



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.

ENGINEER OF RECORD
BL COMPANIES
4242 CARLISLE PIKE, SUITE 260
CAMP HILL, PA 17011
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
0	08/28/2015	BL	ISSUED FOR PADEP SUBMITTAL
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1
3	APRIL 2017	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #2
4	AUG. 2017	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #3

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O. NO.:	W01161481	ISSUED FOR CONSTRUCTION:	4
DRAWING NUMBER:	24-1601-70-28-A/1683_3-AR-LU	REVISION:	4
SHEET 1		OF 4	

