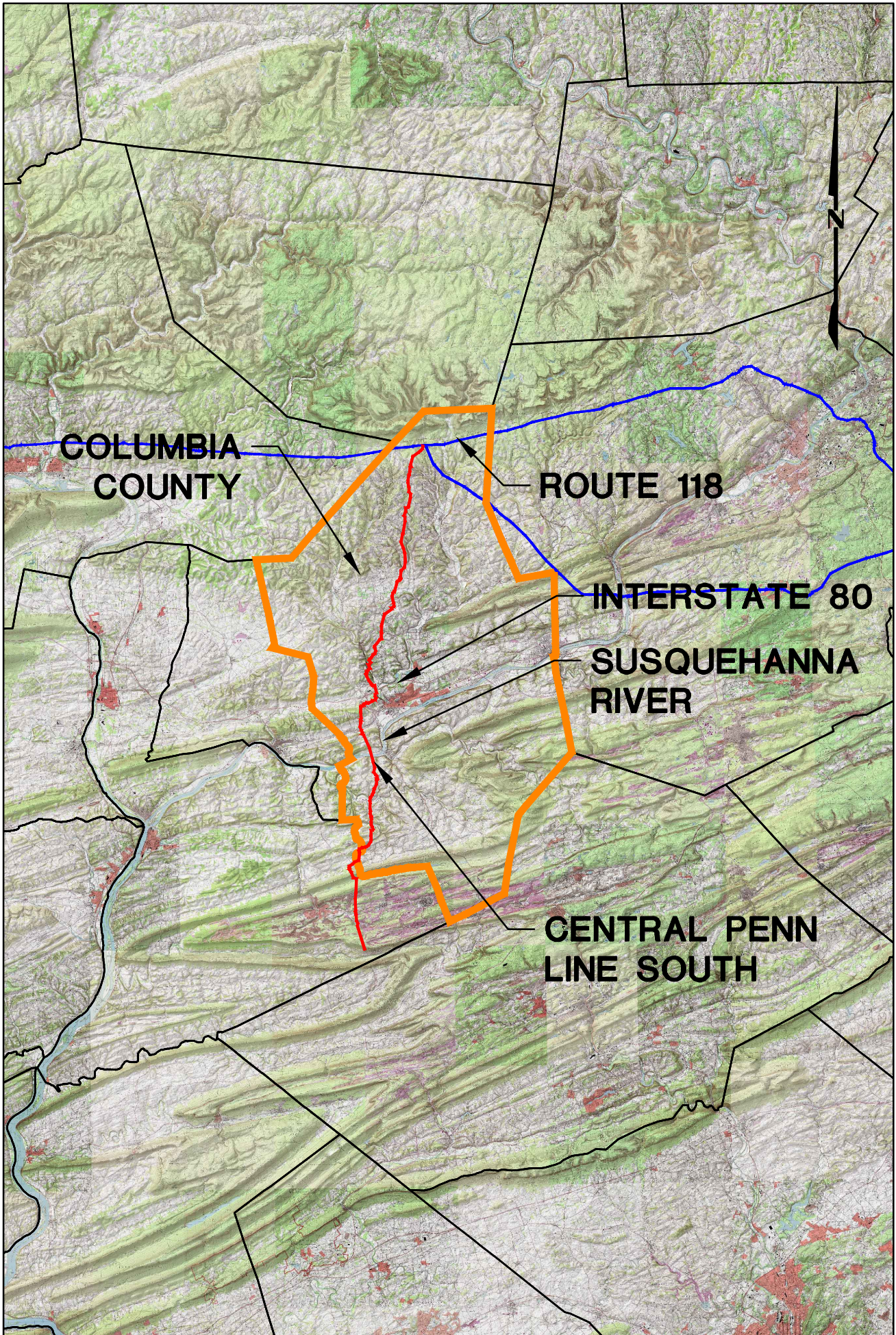


TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
POST CONSTRUCTION STORMWATER MANAGEMENT PLANS  
FOR PERMANENT ACCESS ROADS  
ATLANTIC SUNRISE PROJECT  
PROPOSED 42" CENTRAL PENN LINE SOUTH

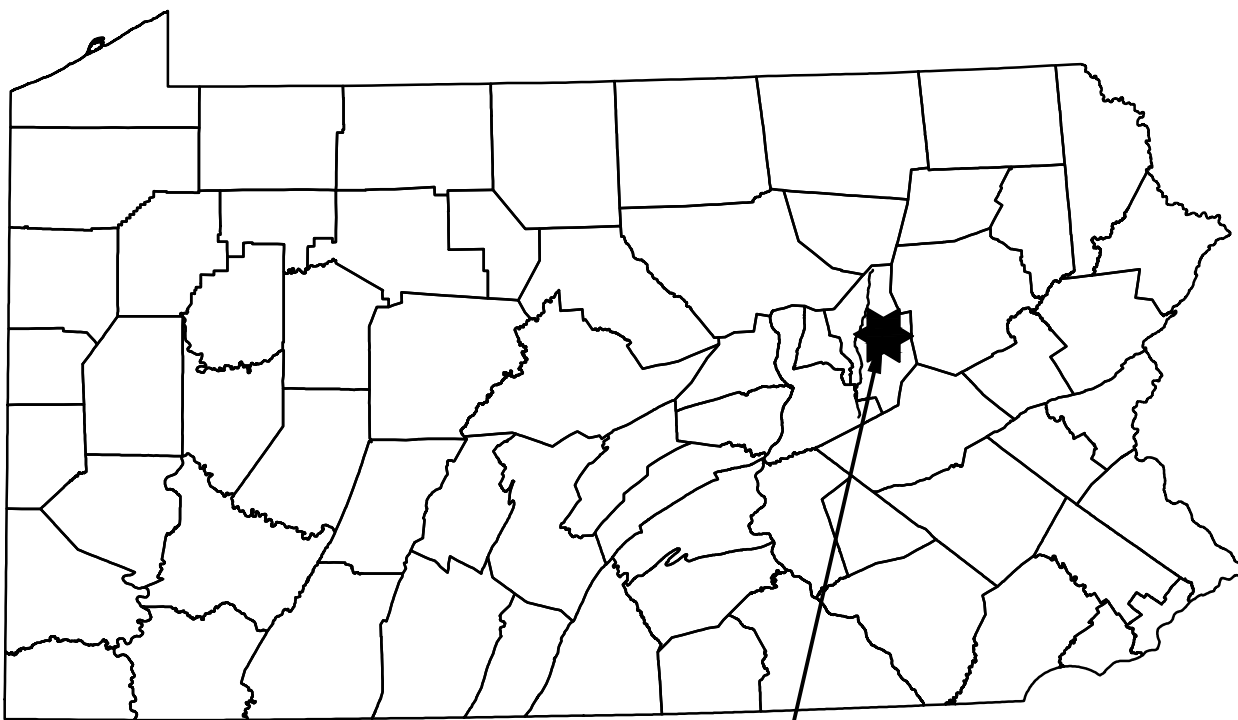
MONTOUR TOWNSHIP  
COLUMBIA COUNTY, PENNSYLVANIA



USGS ELK GROVE, BENTON, BLOOMSBURG, MILLVILLE, DANVILLE, CATAWISSA, AND SHAMOKIN  
QUADRANGLES

VICINITY MAP

SCALE: 1"=50,000'



PROJECT  
LOCATION

ROAD NAME & TYPE	DRAWING NO.	SHEET NO.	DRAWING NAME
GENERAL OVERALL	24-1600-70-28-A/LL113_9-AR-CO	1 of 3	COVER SHEET
		2 of 3	LOCATION MAP AND ACCESS ROAD INDEX
		3 of 3	PCSM NOTES
AR-CO-095.1.1.3 Proposed Permanent	24-1600-70-28-A/LL113_9-AR-CO-095.1.1.3	1 of 1	ACCESS ROADS - POST CONSTRUCTION STORM WATER MANAGEMENT PLAN

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

SOIL TYPES AND LIMITATIONS													
MAP UNIT NAME	MAP UNIT DESIGNATION	OUTBANKS 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
Hhd2	HARTLETON CHANNERY SILT LOAM, 20 TO 35 PERCENT SLOPES, MODERATELY ERODED	X	C	X					X	X	X	X	X
Wdb2	WATSON SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	X	C/S	X			X	X	X	X	X		X

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



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.

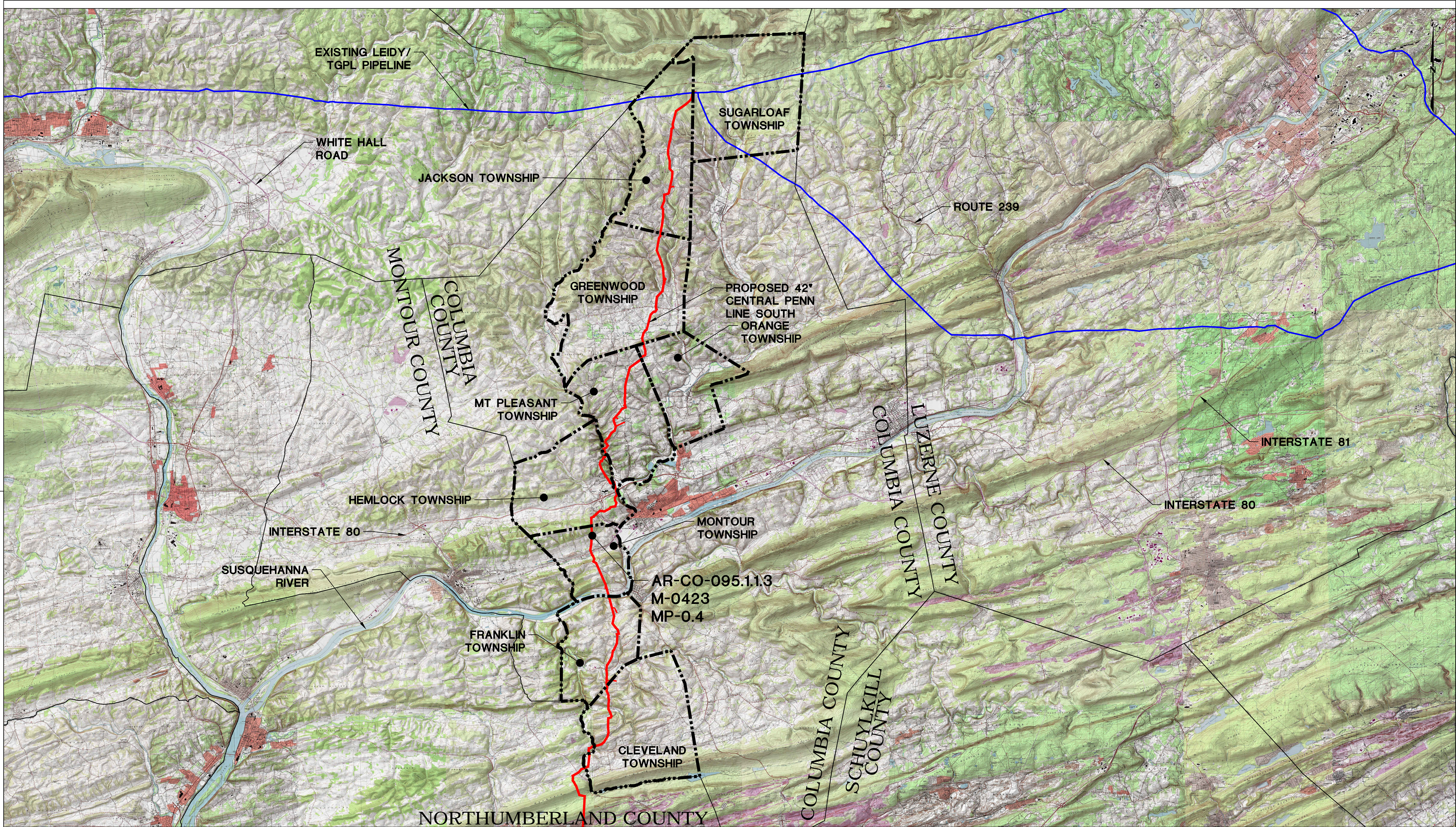
ENGINEER OF RECORD  
BL COMPANIES  
4242 CARLISLE PIKE, SUITE 260  
CAMP HILL, PA 17011  
P:717-651-9850  
F:717-651-9858



REVISIONS				TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.	DESCRIPTION
0	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161503	DAK	SMK	ATLANTIC SUNRISE PROJECT- PROPOSED 42" CENTRAL PENN LINE SOUTH
							POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
							ACCESS ROADS
							COLUMBIA COUNTY, PENNSYLVANIA
							COVER SHEET
							DRAWN BY: OLC/MS DATE: 4/2015 ISSUED FOR BID: SCALE:
							CHECKED BY: DAK DATE: 06/12/15 ISSUED FOR CONSTRUCTION: REVISION: 0
							APPROVED BY: SMK DATE: 07/07/15 DRAWING NUMBER: 24-1600-70-28-A/LL113_9-AR-CO
							W.D. W01161503 SHEET 1 OF 3



Drawn By & Date/Time: Norwooduser Nov 12, 2016 - 6:29pm  
Drawing Location & Name: G:\0851\14\1404909.DWG\020-CPLS\VAR\_CV14C4909(00)\_CO.dwg



USGS ELK GROVE, BENTON, BLOOMSBURG, MILLVILLE, DANVILLE, CATAWISSA, AND SHAMOKIN QUADRANGLES

#### LEGEND

- TOWNSHIP LINE
- COUNTY LINE
- PROPOSED 42" CENTRAL PENN LINE SOUTH
- EXISTING LEIDY/ TGPL PIPELINE

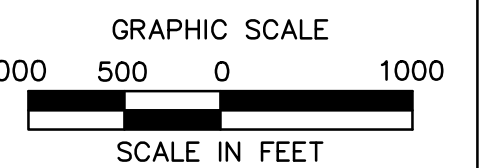


PENNSYLVANIA ACT 287 (1974) AS AMENDED BY PENNSYLVANIA ACT 199 (2004) REQUIRES NO LESS THAN THREE (3) WORKING DAYS AND NO MORE THAN (10) WORKING DAYS NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL, BLAST OR DEMOLISH.



SUZANNE KING REG. NO. PE 082757  
ENGINEERING  
ENVIRONMENTAL  
LAND SURVEYING

REVISIONS							TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.	ATLANTIC SUNRISE PROJECT- PROPOSED 42" CENTRAL PENN LINE SOUTH			
0	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161503	DAK	SMK	POST CONSTRUCTION STORMWATER MANAGEMENT PLAN			
							ACCESS ROADS			
							COLUMBIA COUNTY, PENNSYLVANIA			
							LOCATION MAP & ACCESS ROAD INDEX			
							DRAWN BY: OLC/MS	DATE: 4/2015	ISSUED FOR BID:	SCALE: SHOWN
							CHECKED BY: DAK	DATE: 06/12/15	ISSUED FOR CONSTRUCTION:	REVISION: 0
							APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER:	SHEET 2
							W.D. W01161503		24-1600-70-28-A/LL113_9-AR-CO	OF 3

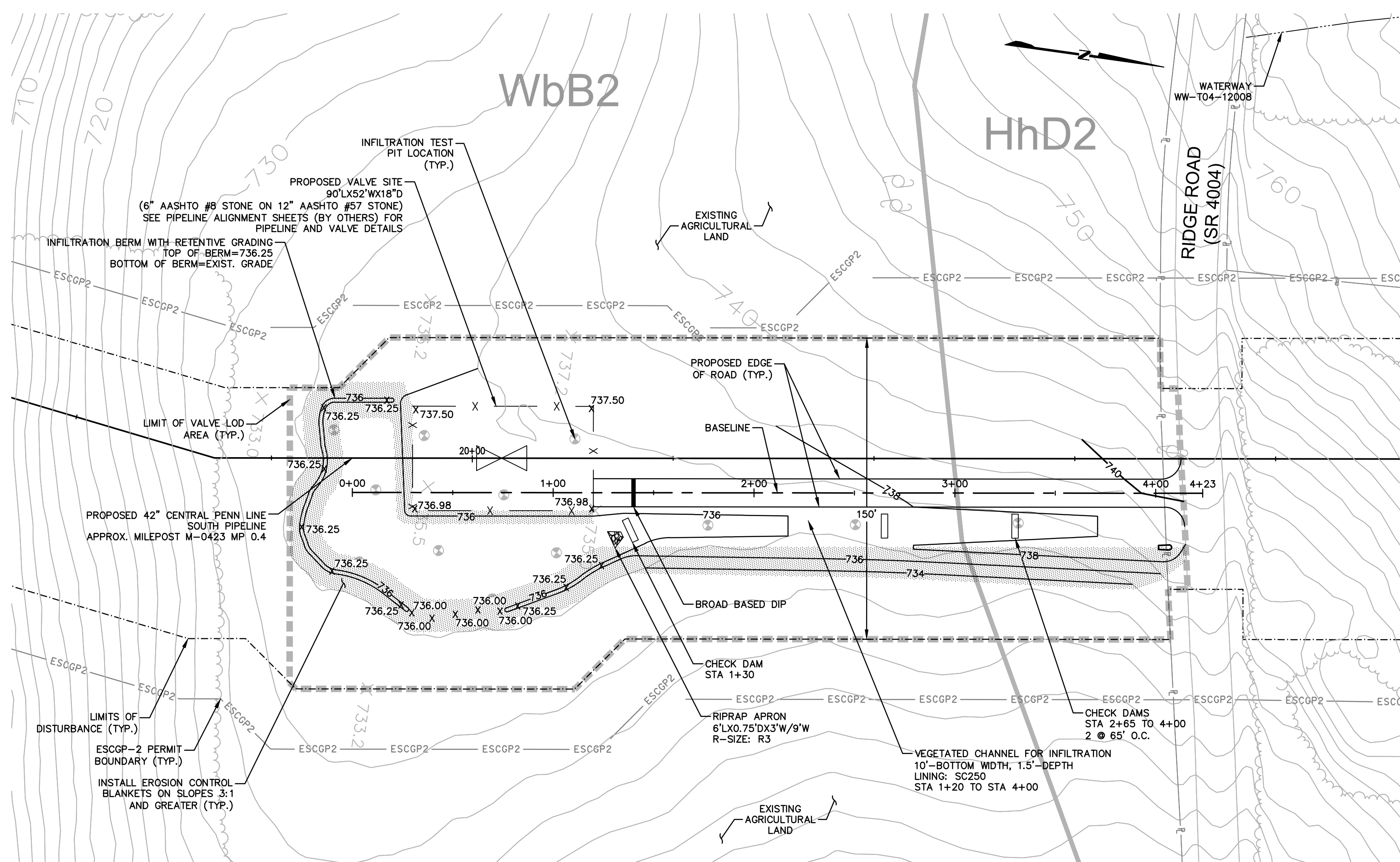








CIVIL SURVEY NOT  
YET COMPLETED FOR  
THIS ACCESS ROAD



## ESCGP-2 PERMIT TABLE

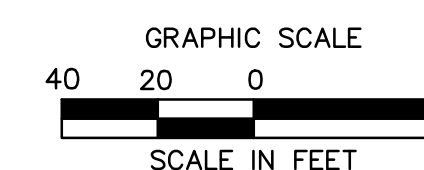
LIMIT OF DISTURBANCE: ACCESS ROAD	0.00 AC
VALVE WITHIN PIPELINE ROW	1.59 AC
TOTAL	1.59 AC
<b><i>LOD AREA WITHIN FLOODWAY/FLOODPLAIN</i></b>	0.00 AC
AREA OF RIPARIAN FOREST BUFFER	0.00 AC
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.00 AC
STORMWATER MANAGEMENT AREA	1.59 AC
AREA CONTROLLED BY BMPS	1.69 AC

## SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS


## RECEIVING WATERS

UNT TO MONTOUR RUN, CWF, MF  
CHAPTER 303(D) IMPAIRMENT: CROP RELATED AGRICULTURE  
(SILTATION); ROAD RUNOFF (SILTATION)



NOTE:  
SEE PCSM NOTES SHEET 3 OF 3 FOR  
EXISTING AND PROPOSED FEATURES  
LEGEND



REVISIONS							TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.	ATLANTIC SUNRISE PROJECT- PROPOSED 42" CENTRAL PENN LINE SOUTH						
0	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161503	DAK	SMK	ACCESS ROADS – POST CONSTRUCTION STORMWATER MANAGEMENT PLAN PROPOSED PERMANENT ACCESS ROAD AR–CO–095.1.1.3 MONTGOUR TOWNSHIP, COLUMBIA COUNTY, PENNSYLVANIA						
													
							DRAWN BY:	OLC/JMS	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
							CHECKED BY:	DAK	DATE:	06/12/15	ISSUED FOR CONSTRUCTION:	REVISION:	0
							APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24–1600–70–28–A/ LL113_9–AR–CO–095.1.1.3	SHEET 1 OF
							W.O.:	WO1161503					

Drawn By & Date/Time: norwooduser Nov 13, 2016 - 3:10pm  
Drawing Location & Name: G:\JOBS\14\14C\14C4909.DWG (20 - CPLS\AP\_PCSM14C4909(20N) - PAR - CO - 095 - 1 - 1 - 3.dwg