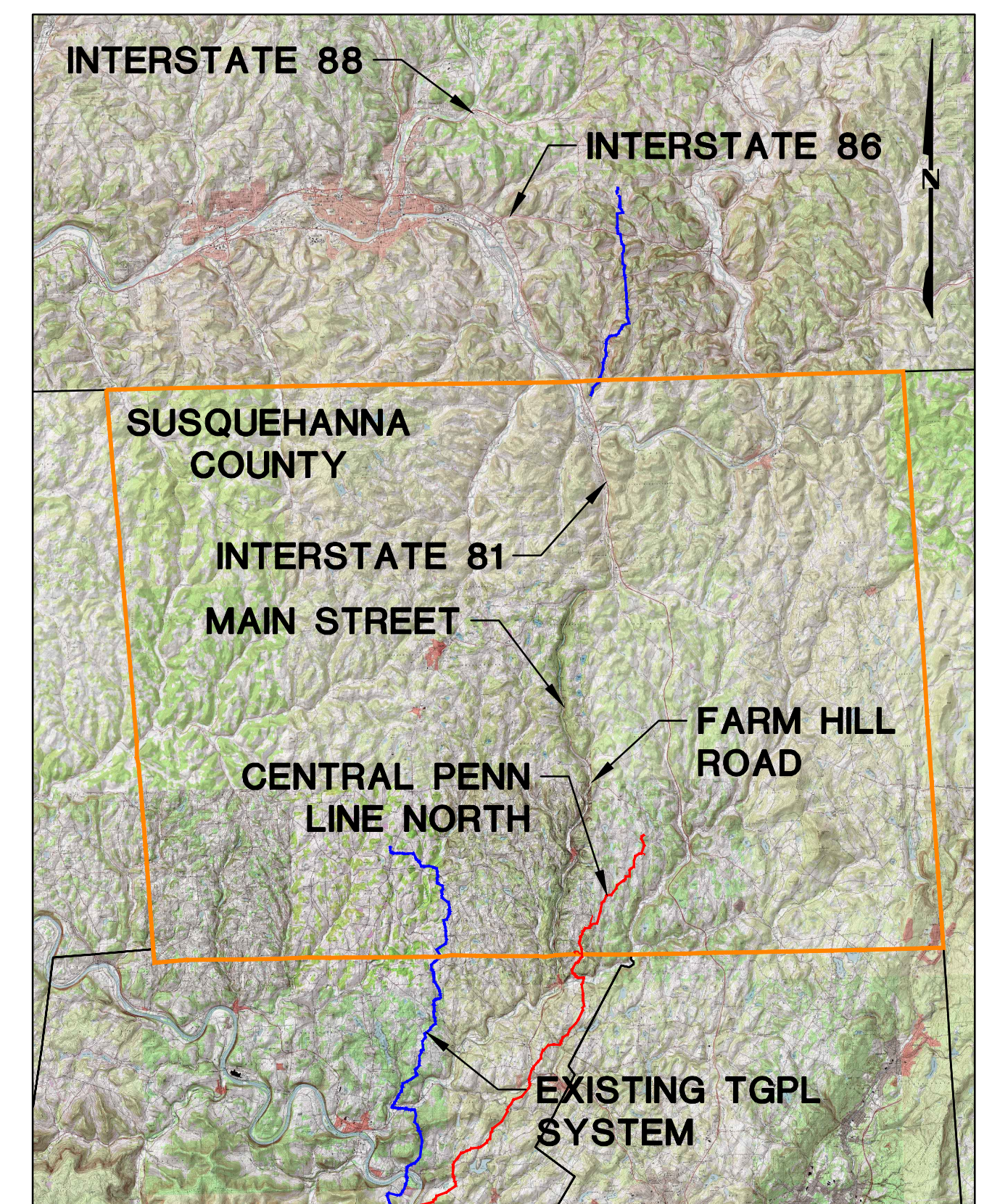


# TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC EROSION & SEDIMENT CONTROL AND LAYOUT PLANS FOR ACCESS ROADS ATLANTIC SUNRISE PROJECT PROPOSED 30" CENTRAL PENN LINE NORTH

LENOX TOWNSHIP  
SUSQUEHANNA COUNTY, PENNSYLVANIA

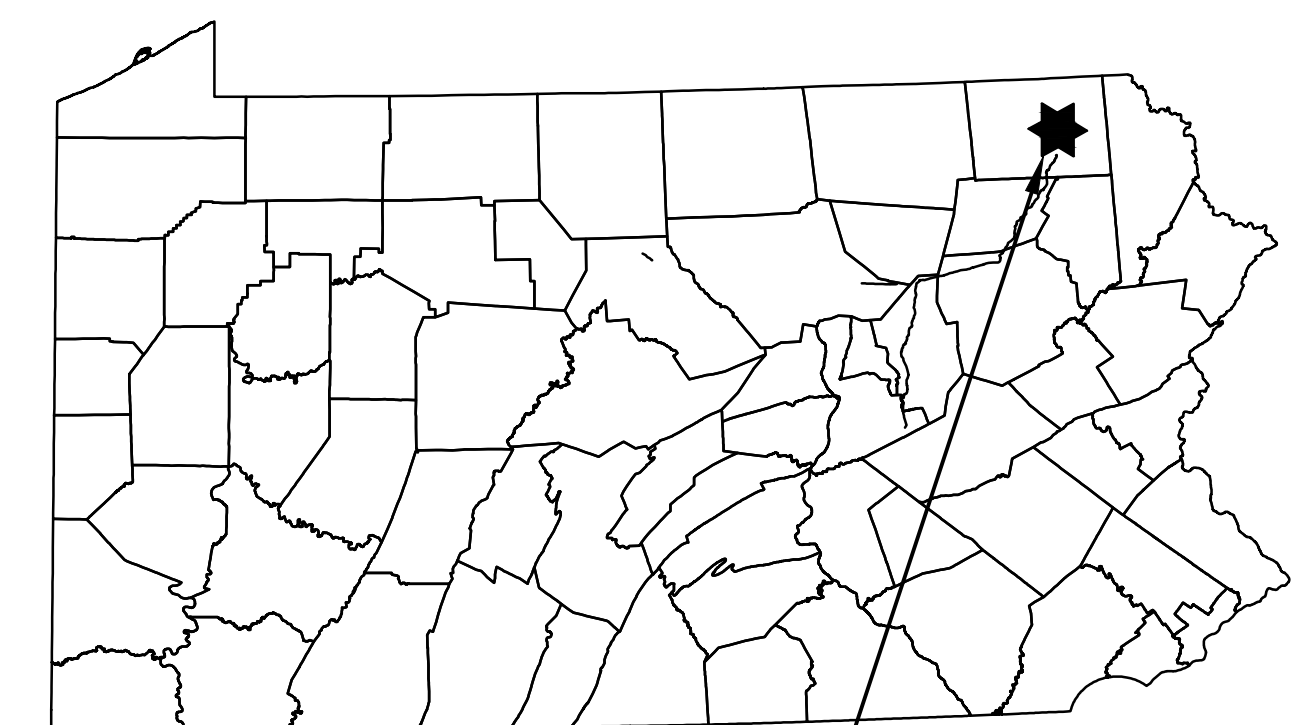


USGS YOUNG WOMAN'S CREEK AND LENOXVILLE QUADRANGLE  
**VICINITY MAP**  
SCALE: 1"=3,000'

ROAD NAME & TYPE	DRAWING NO.	SHEET NO.	DRAWING NAME
GENERAL OVERALL	24-1601-70-28-A/1683_3-AR-SU	1 of 3	COVER SHEET
		2 of 3	LOCATION MAP & ACCESS ROAD INDEX
		3 of 3	TYPICAL SECTIONS AND NOTES
AR-SU-041 Proposed Permanent	24-1601-70-28-A/1683_3-AR-SU-041	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
		5 of 5	ACCESS ROADS - SITE RESTORATION PLAN
AR-SU-044 Proposed Temporary	24-1601-70-28-A/1683_3-AR-SU-044	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-SU-045 Proposed Temporary	24-1601-70-28-A/1683_3-AR-SU-045	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-SU-046 Proposed Permanent	24-1601-70-28-A/1683_3-AR-SU-046	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

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
Hw	HOLLY SILT LOAM, 0 TO 3 PERCENT SLOPES	X	C/S			X	X	X	X	X	X	X	X				X
Lk2	LORDSTOWN AND OQUAGA CHANNERY SILT LOAMS, 3 TO 12 PERCENT SLOPES, MODERATELY ERODED	X	C	X	X			X	X	X	X	X	X				X
LoB	LORDSTOWN AND OQUAGA FLAGGY SILT LOAMS, 3 TO 12 PERCENT SLOPES	X	C	X	X			X	X	X	X	X	X				X
LoB	LORDSTOWN AND OQUAGA FLAGGY SILT LOAMS, 3 TO 12 PERCENT SLOPES	X	C	X	X			X	X	X	X	X	X				X
LoB	LORDSTOWN AND OQUAGA VERY STONY SILT LOAMS, 0 TO 12 PERCENT SLOPES	X	C	X	X			X	X	X	X	X	X				X
LoD	LORDSTOWN AND OQUAGA VERY STONY SILT LOAMS, 12 TO 30 PERCENT SLOPES	X	C	X	X			X	X	X	X	X	X				X
LoF	LORDSTOWN AND OQUAGA VERY STONY SILT LOAMS, 30 TO 70 PERCENT SLOPES	X	C	X	X			X	X	X	X	X	X				X
McB2	MARDIN CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, ERODED	X	S	X	X			X	X	X	X	X	X				X
MgB	MARDIN CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES	X	S	X	X			X	X	X	X	X	X				X
MgD	MARDIN CHANNERY SILT LOAM, 8 TO 25 PERCENT SLOPES	X	S	X	X			X	X	X	X	X	X				X
MoB2	MORRIS CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, ERODED	X	C/S	X	X			X	X	X	X	X	X				X
MrD2	MORRIS FLAGGY SILT LOAM, 15 TO 25 PERCENT SLOPES, ERODED	X	C/S	X	X			X	X	X	X	X	X				X
NcB	NORWICH AND CHIPPEWA SOILS, 3 TO 8 PERCENT SLOPES	X	C/S	X	X			X	X	X	X	X	X				X
VcB2	VOLUSIA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, ERODED	X	C/S	X	X			X	X	X	X	X	X				X
VcC2	VOLUSIA CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, ERODED	X	C/S	X	X			X	X	X	X	X	X				X
VsB	VOLUSIA CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES, EXTREMELY STONY	X	C/S	X	X			X	X	X	X	X	X				X
WeB2	WELLSBORO CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED	X	C/S	X	X			X	X	X	X	X	X				X
WeC2	WELLSBORO CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES, ERODED	X	C/S	X	X			X	X	X	X	X	X				X
WIC2	WELLSBORO FLAGGY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED	X	C/S	X	X			X	X	X	X	X	X				X

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



PROJECT LOCATION

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
ESCGP-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

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

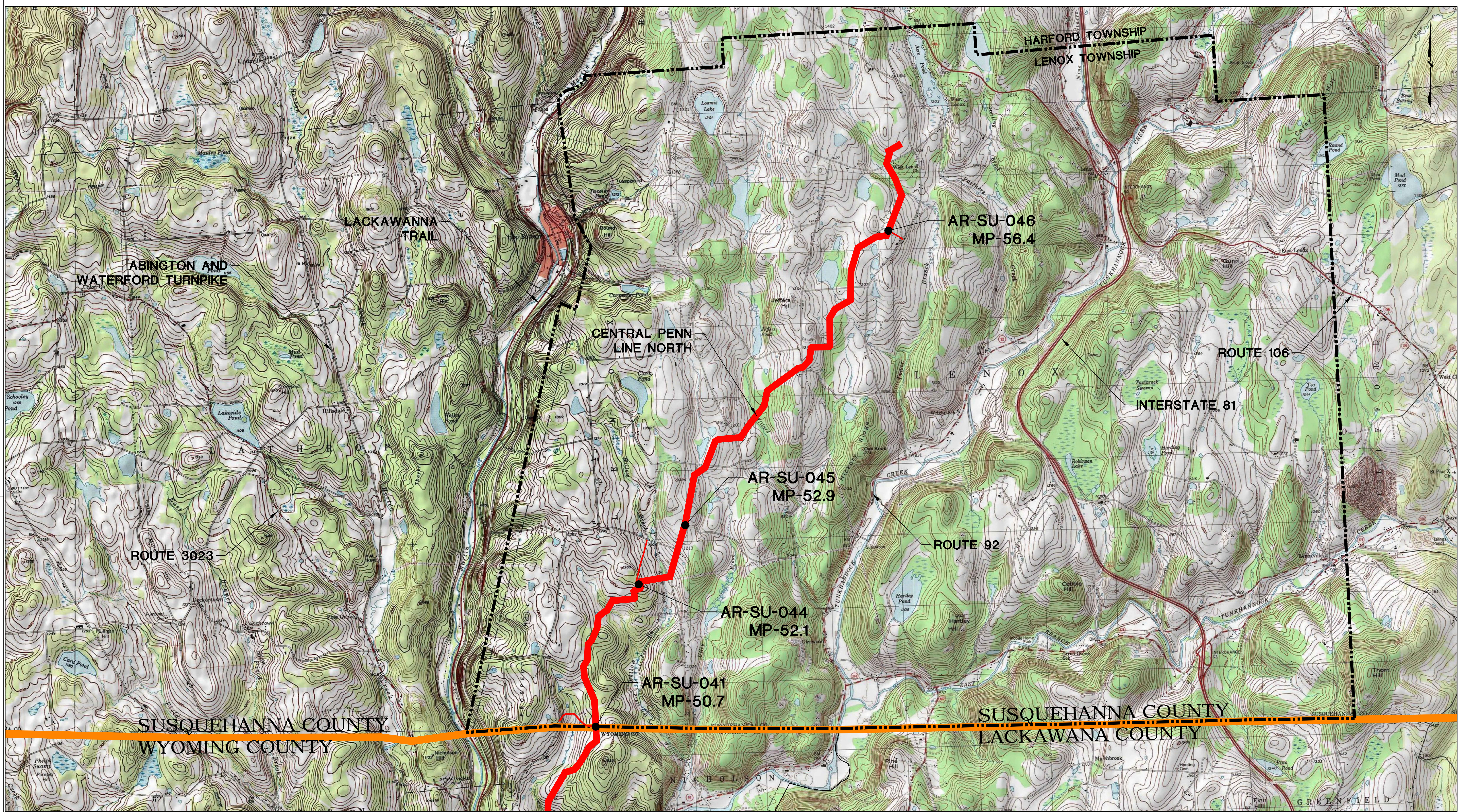


REVISIONS			
NO.	DATE	BY	DESCRIPTION
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL
2	02/04/2016	BL	ISSUED FOR PADEP RESUBMITTAL
3	OCT. 2016	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL
4	APRIL 2017	BL	MODIFICATION #2 ISSUED FOR PADEP SUBMITTAL

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS SUSQUEHANNA COUNTY, PENNSYLVANIA			
COVER SHEET			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O. NO.:	W01161481	ISSUED FOR:	CONSTRUCTION
REVISION:		DRAWING NUMBER:	
			SHEET 1 OF 3



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.



USGS YOUNG WOMAN'S CREEK AND LENOXVILLE QUADRANGLE

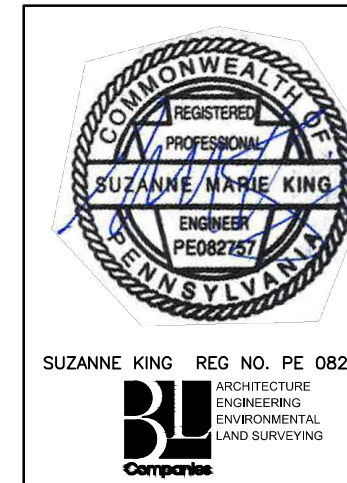
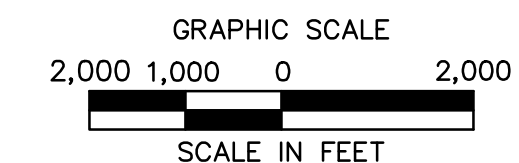
Drawn By & Date/Time: Sking Apr 22, 2017 - 1:50pm  
 Drawing Location & Name: G:\0851\14C\14C4909\DWG\010-CPL\W\AR\_CV14C4909(10)\_SU.dwg



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.

**LEGEND**

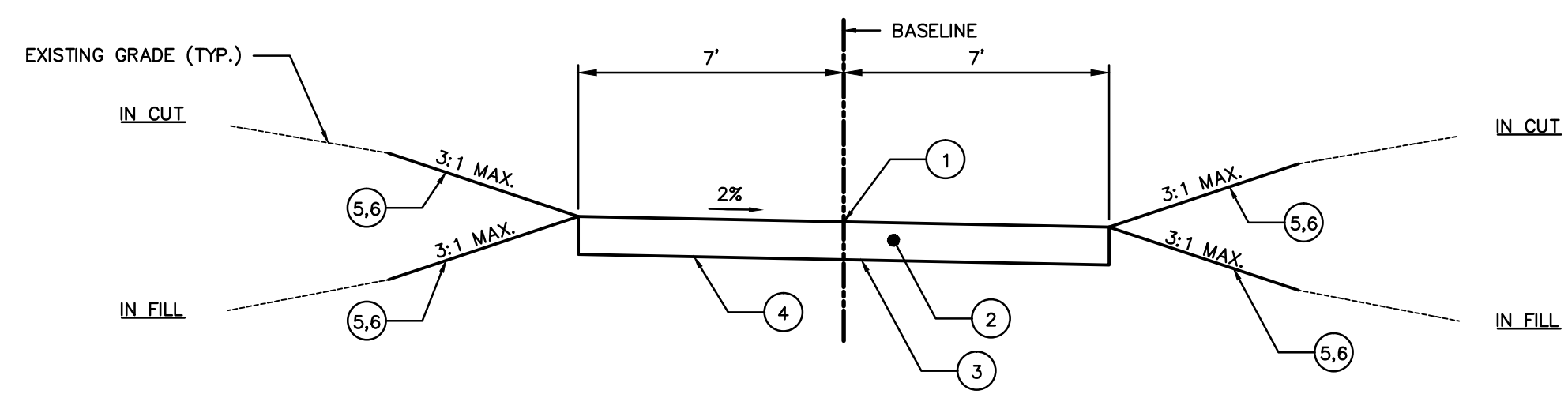
- TOWNSHIP LINE
- COUNTY LINE
- PROPOSED 30" CENTRAL PENN LINE NORTH
- EXISTING LEIDY/ TGPL PIPELINE



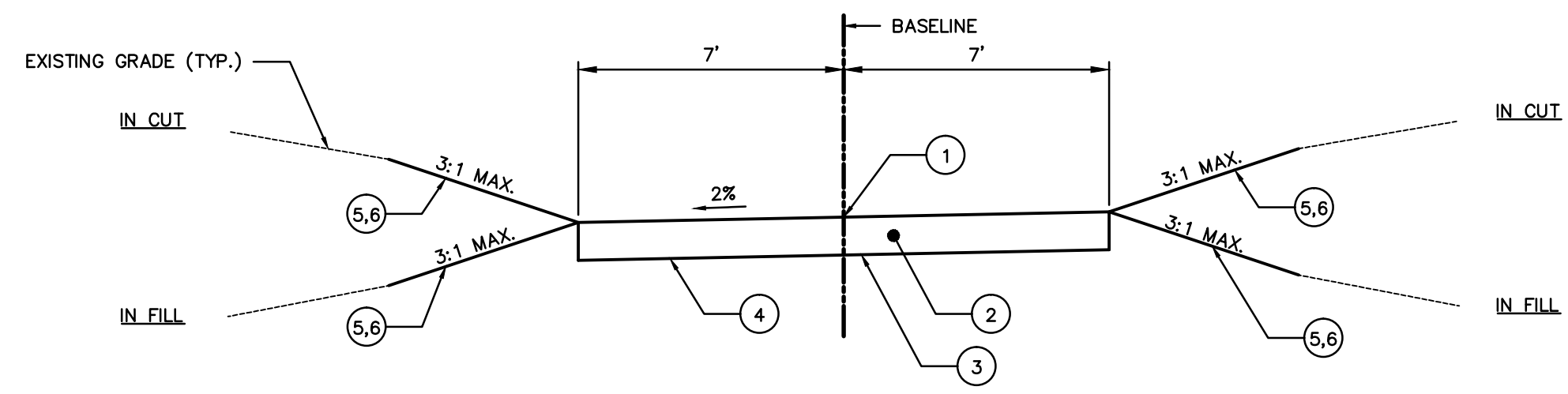
REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	02/04/2016	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
3	OCT. 2016	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
4	APRIL 2017	BL	MODIFICATION #2 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT- PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS			
SUSQUEHANNA COUNTY, PENNSYLVANIA			
LOCATION MAP & ACCESS ROAD INDEX			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W01161481	DRAWING NUMBER:	24-1601-70-28-A/1683_3-AR-SU

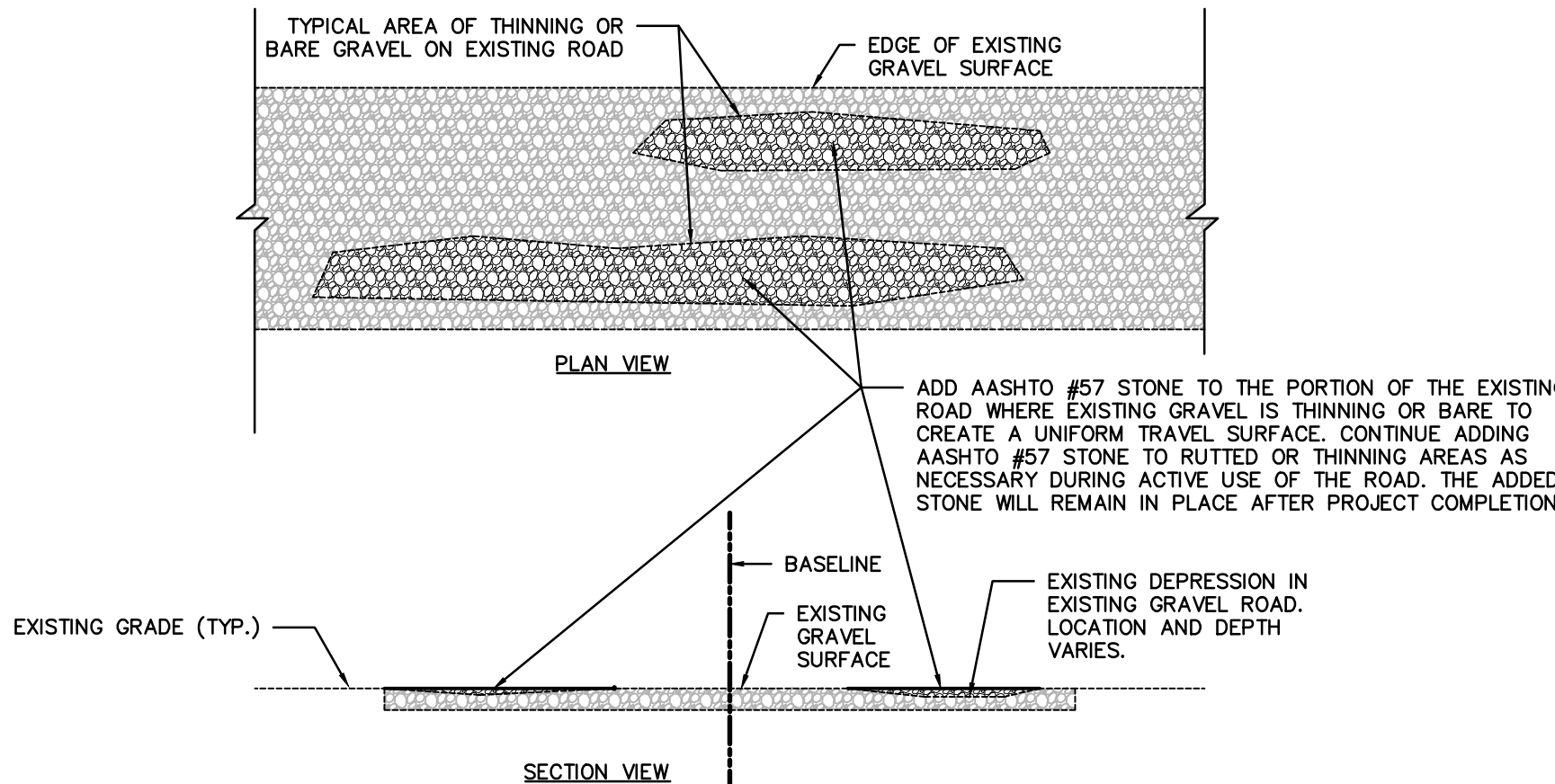




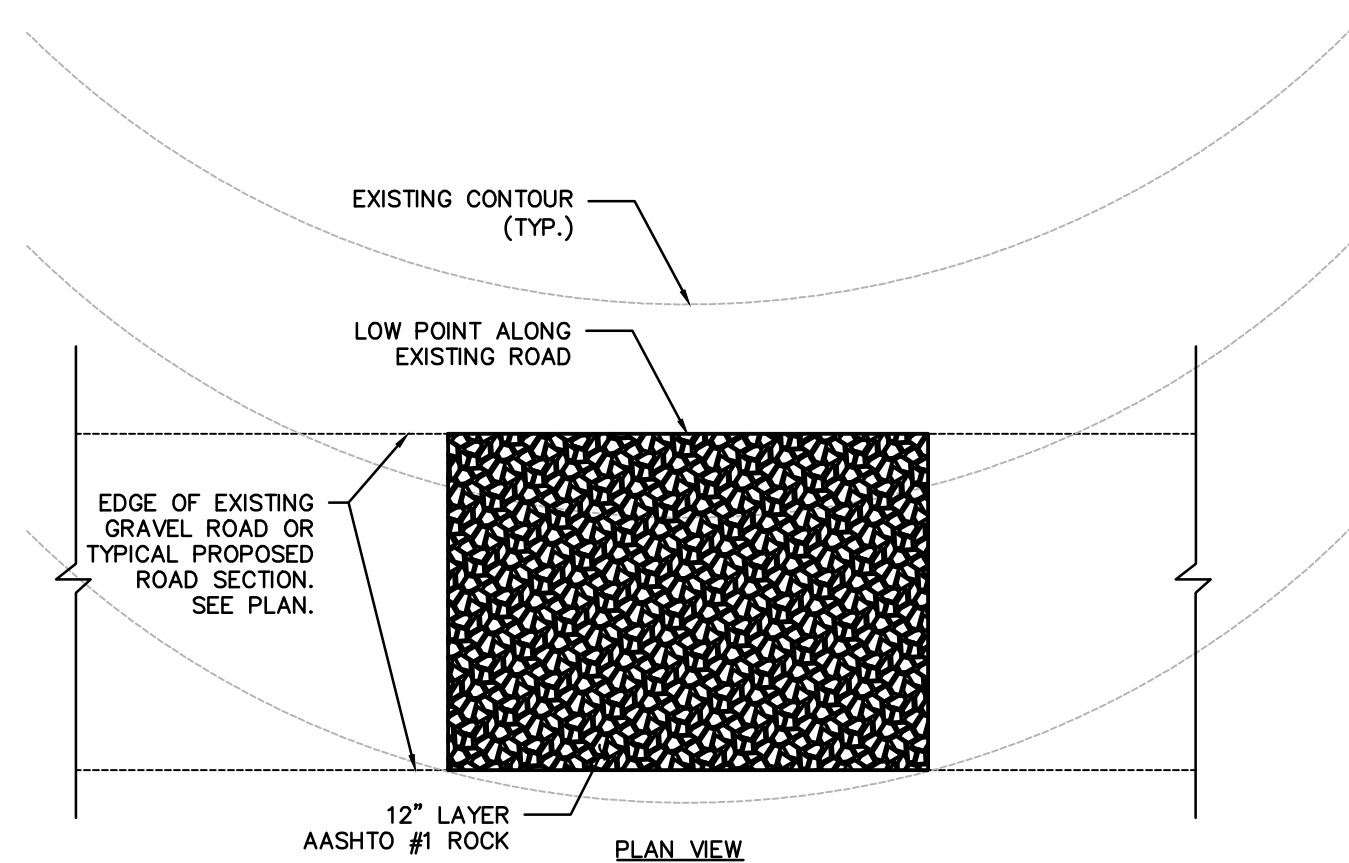
**TYPICAL SECTION D**



**TYPICAL SECTION E**



**SUPPLEMENTAL STONE FOR EXISTING GRAVEL ROAD**



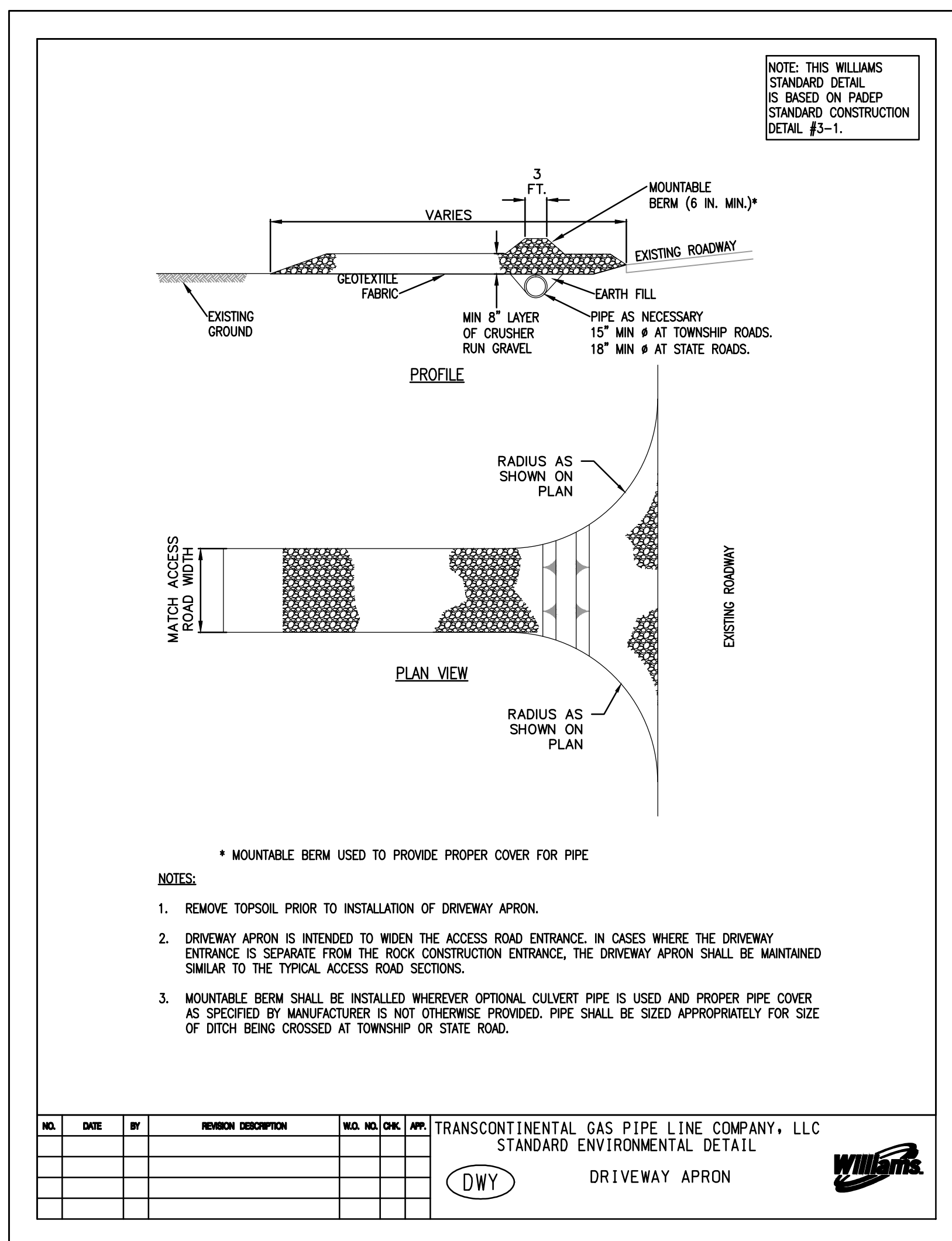
**ROCK MATTING DETAIL**

**TYPICAL SECTION LEGEND**

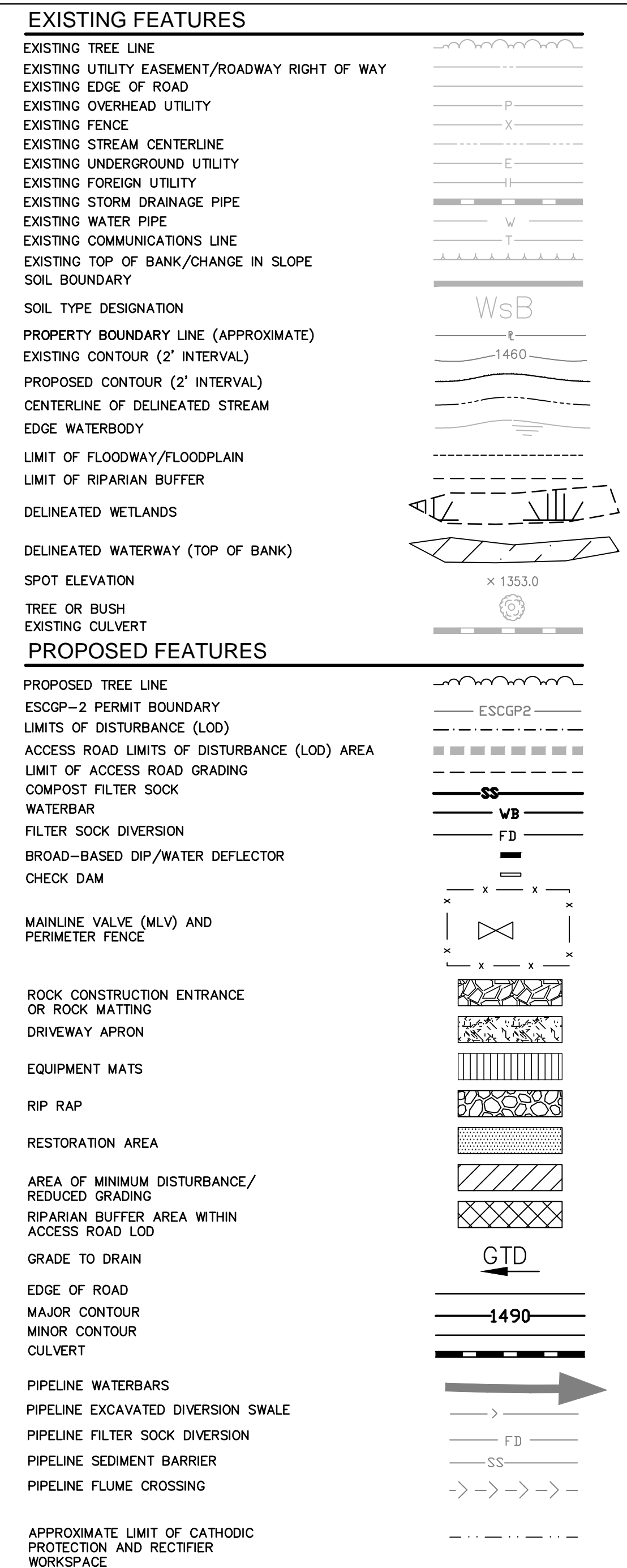
- ① POINT OF APPLICATION OF GRADE OR MATCH EXISTING GROUND
- ② 12" LAYER CRUSHER RUN GRAVEL
- ③ NONWOVEN GEOTEXTILE (MIRAFI 140N OR EQUAL)
- ④ LIMIT OF EXCAVATION OR LIMIT OF COMPACTION
- ⑤ EROSION CONTROL BLANKET ON SLOPES 3:1 OR GREATER
- ⑥ 6" TOPSOIL AND SEED
- ⑦ VEGETATED CHANNEL

**GENERAL ACCESS ROAD NOTES**

1. THE CONTRACTOR SHALL CONTACT PA ONE CALL A MINIMUM OF 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.
2. SEE BEST MANAGEMENT PRACTICES AND QUANTITIES PLAN (UNDER SEPARATE COVER) FOR TYPICAL DETAILS, GENERAL NOTES, AND WETLAND AND WATERBODY INFORMATION.
3. TRANSITIONS BETWEEN TYPICAL ACCESS ROAD SECTIONS SHALL OCCUR OVER 50 FEET.
4. NO EARTH DISTURBING IMPROVEMENTS ARE PROPOSED WITHIN FLOODWAYS TO MINIMIZE IMPACTS.
5. POST CONSTRUCTION STORMWATER MANAGEMENT PLANS FOR PERMANENT ACCESS ROADS ARE UNDER SEPARATE COVER IN THE COUNTY-SPECIFIC POST CONSTRUCTION STORMWATER MANAGEMENT PLANS FOR PERMANENT ACCESS ROADS.
6. A STABILIZED ROCK CONSTRUCTION ENTRANCE (RCE) WILL BE PROVIDED ON EACH ACCESS ROAD TO REDUCE VEHICLE TRACKING OF SEDIMENTS OFF-SITE. THE ADJACENT OFF-SITE ROAD TO WHICH THE ACCESS ROAD CONNECTS WILL BE INSPECTED DAILY DURING ACTIVE USE OF THE ACCESS ROAD AND MAINTAINED AS NECESSARY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE ACCESS ROAD. ADDITIONALLY, THE ACCESS ROAD LIMIT OF DISTURBANCE, INCLUDING EXISTING ROADS USED AS PART OF THE ACCESS ROAD, WILL BE INSPECTED DAILY DURING ACTIVE USE OF THE ACCESS ROAD AND MAINTAINED AS NECESSARY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE ACCESS ROAD.
7. VACUUM SWEEPING MAY BE USED TO MITIGATE THE SPREAD OF SEDIMENT BEYOND THE RCEs. RCEs WILL BE INSPECTED FOR SEDIMENT TRACKING ONTO PUBLIC ROADWAYS. THE ROADWAY SHALL BE VACUUM SWEEPED UPON DISCOVERY OF SEDIMENT. ANY LARGE CLUMPS OF DIRT THAT ACCUMULATE ON THE ROAD SURFACE SHALL BE HAND CLEARED BEFORE VACUUM SWEEPING. ALL VEHICLES LEAVING THE RCE SHALL BE INSPECTED FOR LARGE CLUMPS OF DEBRIS. IF DEBRIS, LARGER THAN 4" DIAMETER IS OBSERVED, IT SHALL BE MANUALLY REMOVED FROM THE VEHICLE. DIRT ROADS SHALL BE INSPECTED WEEKLY FOR RUTTING. THERE SHALL BE NO MORE THAN A MAXIMUM OF 4" OF RUTTING ON ACCESS ROADS. IF RUTTING IN EXCESS OF 4" IS OBSERVED, THE ROAD SHALL BE ROLLED AS SOON AS FEASIBLE.
8. DISTURBANCE OUTSIDE THE PROPOSED LIMITS OF GRADING (WHERE APPLICABLE) SHALL BE LIMITED TO USE OF EXISTING ROADS TO ACCESS THE PIPELINE ROW, TOPSOIL STOCKPILING, INSTALLATION OF SEDIMENT BARRIERS, AND MATERIAL STORAGE IN ACCORDANCE WITH THE LAND OWNER AGREEMENT.
9. FOR TEMPORARY ROADS, IMPROVEMENTS SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE. THE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
10. EROSION & SEDIMENTATION CONTROLS SHALL BE LEFT IN PLACE UNTIL SUCH TIME AS THE DISTURBED AREAS HAVE PERMANENT STABILIZATION. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
11. ALL SLOPES THAT ARE EQUAL TO OR STEEPER THAN 1(V):3(H) SHALL BE SEEDED AND THEN COVERED WITH EROSION CONTROL BLANKET. THE BLANKET SHALL BE NORTH AMERICAN GREEN SC50 OR APPROVED EQUAL AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
12. ALL NONWOVEN GEOTEXTILE SHALL BE MIRAFI 140N OR EQUAL.
13. WHERE ROCK MATTING IS PROPOSED, THE ROCK MATTING SHALL BE MAINTAINED SIMILAR TO THE ROCK CONSTRUCTION ENTRANCE.
14. FOR TEMPORARY ROADS, BROAD-BASED DIPS SHALL BE REMOVED AND THE AREA SHALL BE GRADED TO PRE-CONSTRUCTION CONDITIONS.
15. FOR PERMANENT ROADS WITH PERMANENT IMPROVEMENTS, BROAD-BASED DIPS SHALL REMAIN AS PART OF THE PERMANENT IMPROVEMENTS.
16. AREA OF MINIMUM DISTURBANCE/REDUCED GRADING SHOWN ON THE SITE RESTORATION PLAN IS THE PORTION OF THE ACCESS ROAD WORK AREA THAT IS OUTSIDE THE PROPOSED LIMIT OF GRADING, BUT WITHIN THE LIMITS OF DISTURBANCE. NO GRADING ACTIVITIES ARE PROPOSED. HOWEVER, CONSTRUCTION VEHICLES MAY ACCESS EXISTING ROADS. SEDIMENT BARRIERS MAY BE INSTALLED, AND TOPSOIL STOCKPILING MAY OCCUR WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING. DISTURBED AREAS ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
17. SEED MIXES ARE PROVIDED UNDER SEPARATE COVER IN THE BEST MANAGEMENT PRACTICES AND QUANTITIES PLAN SET ON GENERAL NOTES SHEET 3 OF 3.
18. THE DEPTH OF THE VEGETATED CHANNELS FOR INFILTRATION AND CHECK DAMS SHOWN ON THE EROSION CONTROL PLAN INCLUDED IN THIS PLAN SET ARE THE SAME AS THE DEPTH OF THE VEGETATED CHANNELS FOR INFILTRATION AND CHECK DAMS SHOWN THE CORRESPONDING POST CONSTRUCTION STORMWATER MANAGEMENT PLAN UNDER SEPARATE COVER.
19. RIP RAP GRADATION SHALL MEET THE REQUIREMENTS OF TABLE 6.6 OF THE PADEP E&S MANUAL PROVIDED IN THE RIP RAP APRON AT PIPE OUTLET WITHOUT FLARED END SECTION (RAO) DETAIL UNDER SEPARATE COVER IN THE BEST MANAGEMENT PRACTICES AND QUANTITIES PLAN.
20. SEE THE BEST MANAGEMENT PRACTICES AND QUANTITIES PLAN SET PROVIDED UNDER SEPARATE COVER FOR THE PERENNIAL AND INTERMITTENT STREAM NAMES ASSOCIATED WITH THE STREAM NUMBERS PROVIDED IN THIS PLAN SET.
21. EXISTING ROADS TO BE USED AS ACCESS ROADS WILL BE MAINTAINED DURING CONSTRUCTION. AT THE BEGINNING OF CONSTRUCTION, AASHTO #57 STONE WILL BE ADDED TO THE EXISTING ROAD IN AREAS WHERE THE EXISTING GRAVEL IS THINNING OR BARE TO CREATE A UNIFORM TRAVEL SURFACE. DURING CONSTRUCTION, ADDITIONAL AASHTO #57 STONE WILL BE ADDED TO RUTTED OR THINNING AREAS.
22. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL COUNTY CONSERVATION DISTRICT OR DEP AND BE FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS MATERIAL AND TO DEVELOP A PLAN THAT MEETS THE CONDITIONS OF CHAPTER 102, NPDES PERMIT CONDITIONS, AND/OR OTHER STATE AND FEDERAL REGULATIONS.
23. PRE-CONSTRUCTION FORESTED AREAS WILL BE SEEDED AND RESTORED TO MEADOW GOOD CONDITIONS. TREES THAT ARE REMOVED WILL NOT BE REPLACED AS PART OF THE RESTORATION PROCESS.
24. FOR THE CONSTRUCTION SEQUENCES FOR ACCESS ROADS WITHIN THE PIPELINE RIGHT OF WAY, COMPOST FILTER SOCK IS REFERRED TO AS SEDIMENT BARRIER TO BE CONSISTENT WITH THE PIPELINE E&S PLANS. THE SIZE AND LOCATION OF THE SEDIMENT BARRIERS ARE SHOWN ON THE E&S PLANS UNDER SEPARATE COVER.



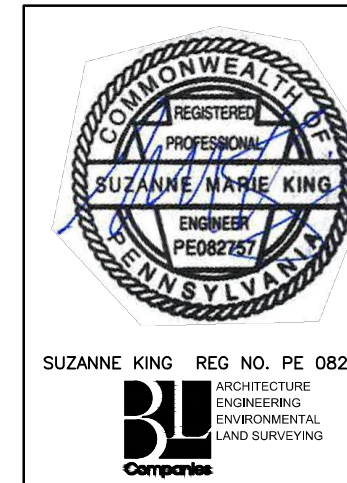
**TYPICAL FEATURES LEGEND**



**ACCESS ROAD SUMMARY TABLE**

Facility Road?	Access Road ID	Milepost	Use (Permanent or Temporary)	Latitude, Longitude (At Connection to Public Road)	Notes
	AR-SU-041	50.7	Permanent	41.6440439741613, -75.767177126965	
	AR-SU-044	52.1	Temporary	41.6667041287286, -75.7515928875203	
	AR-SU-045	52.9	Temporary	41.6680098368205, -75.7449525295543	
	AR-SU-046	56.4	Permanent	41.7039111838306, -75.7072515589445	
FACILITY	AR-SU-046.1	57.1	Temporary	41.7138354608887, -75.7086449428166	CN-CSA-SU-1-008
FACILITY	AR-SU-046.4	57.1	Temporary	41.714940085085, -75.7058703267396	CN-CSA-SU-1-008
FACILITY	AR-SU-047	57.3	Permanent	41.7171201102721, -75.7058450005296	Zick
FACILITY	AR-SU-047.1	57.3	Permanent	41.7169719542258, -75.7065544448141	MLV (Zick), CN-MLV-06

\* FACILITY ROADS ARE NOT INCLUDED WITHIN THIS ACCESS ROAD PLAN SET. SEE THE PIPELINE OR FACILITY-SPECIFIC PLAN SET FOR EROSION AND SEDIMENTATION CONTROL IMPROVEMENTS.



REVISIONS					
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK. APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK
3	OCT. 2016	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK
4	APRIL 2017	BL	MODIFICATION #2 ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK

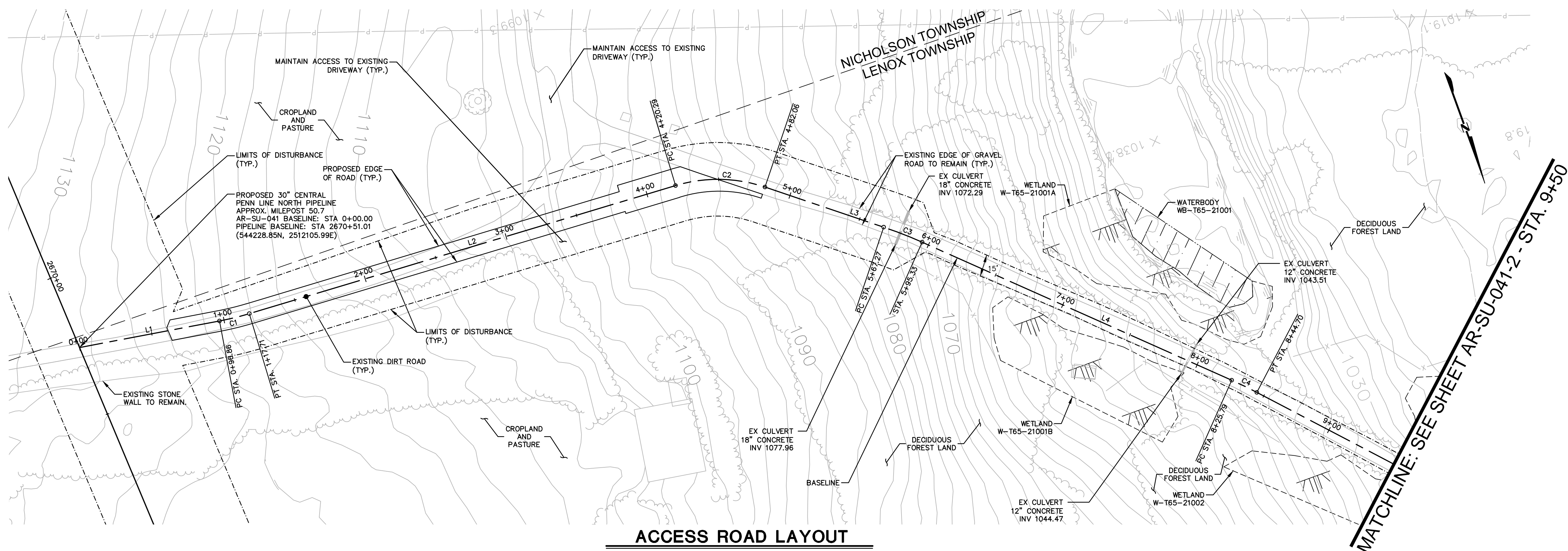
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH

ACCESS ROADS  
SUSQUEHANNA COUNTY, PENNSYLVANIA

TYPICAL SECTIONS AND NOTES

DRAWN BY: OLC	DATE: 3/2015	ISSUED FOR BID:	SCALE:
CHECKED BY: DAK	DATE: 06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER:	SHEET 3
W.D.:	W0161481	24-1601-70-28-A/1683_3-AR-SU	OF 3

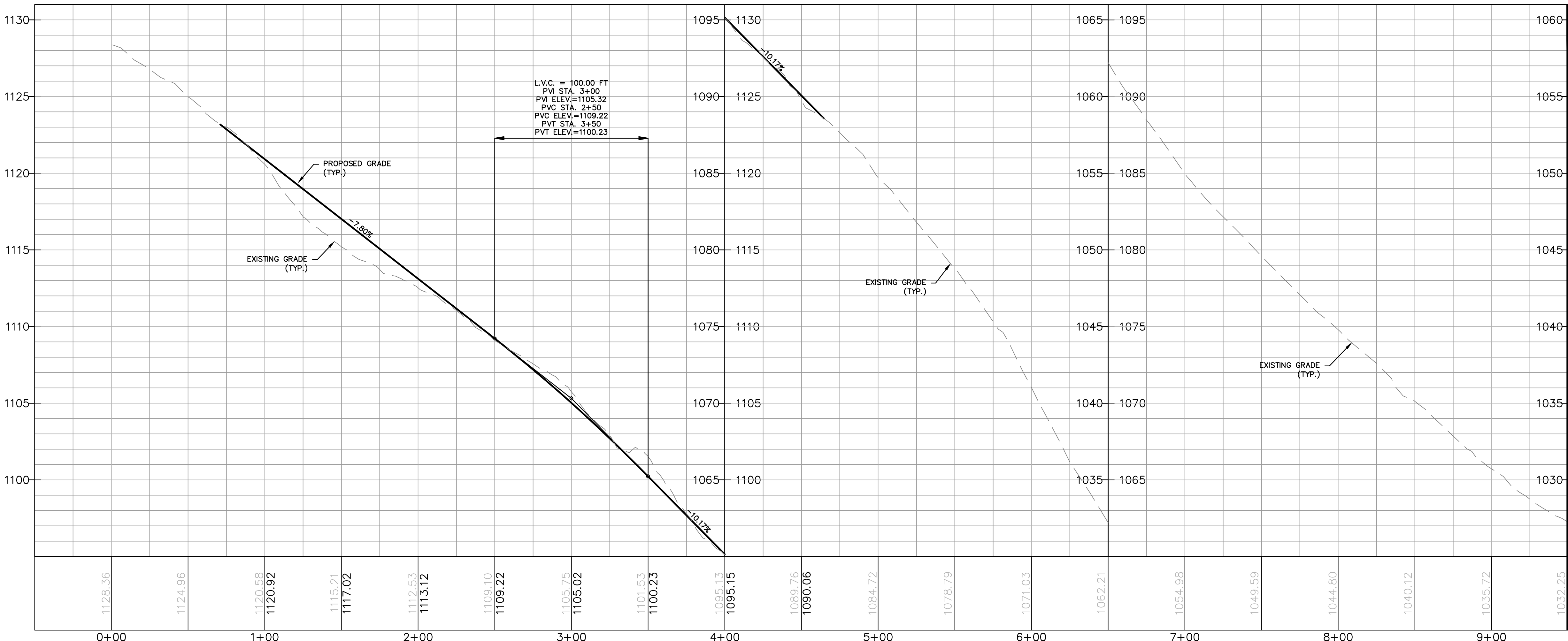
Drawn By & Date/Time: ewhite Apr 26, 2017 - 1:10 pm  
 Drawing Location & Name: G:\085151\14c\14c4909\DWG\010-CPM\VAR\_TYP\14c4909\10\_SU.dwg



**ACCESS ROAD LAYOUT**

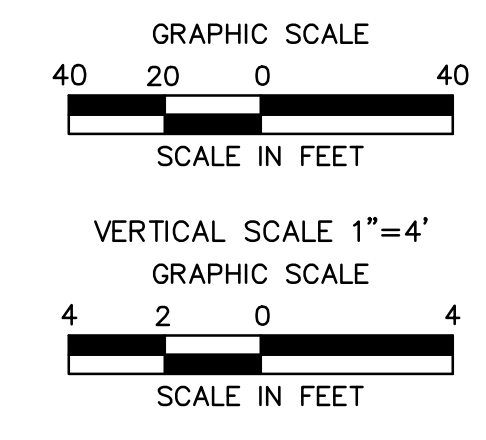
SU-041						
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent
L1	B 544228.85 E 544244.41	B 2512106.00 E 2512010.40	N80°45'07.72"W		96.86'	
C1	PC 544244.41 PI 544245.02 PT 544246.69	PC 2512010.40 PI 2512009.10 PT 2511989.68		5°58'30"	20.86'	10.44'
L2	B 544246.69 E 544263.96	B 2511989.68 E 2511687.59	N86°43'37.33"W		302.58'	
C2	PC 544263.96 PI 544265.78 PT 544285.72	PC 2511687.59 PI 2511655.74 PT 2511630.83		35°23'28"	61.77'	31.91'
L3	B 544285.72 E 544338.95	B 2511630.83 E 2511564.30	N51°20'09.33"W		85.21'	
C3	PC 544338.95 PI 544347.72 PT 544357.48	PC 2511564.30 PI 2511553.33 PT 2511543.23		5°21'35"	28.06'	14.04'
L4	B 544357.48 E 544517.84	B 2511543.23 E 2511377.52	N45°58'34.20"W		230.46'	
C4	PC 544517.84 PI 544524.21 PT 544531.20	PC 2511377.52 PI 2511370.72 PT 2511364.35		3°36'43"	18.91'	9.46'
L5	B 544531.20 E 544725.98	B 2511364.35 E 2511186.71	N42°21'51.06"W		263.62'	
C5	PC 544725.98 PI 544731.90 PT 544737.52	PC 2511186.71 PI 2511181.32 PT 2511175.61		3°03'28"	16.01'	8.01'
L6	B 544737.52 E 544785.11	B 2511175.61 E 2511127.31	N45°25'18.93"W		67.81'	
C6	PC 544785.11 PI 544815.39 PT 544813.82	PC 2511127.31 PI 2511096.58 PT 2511053.47		46°40'18"	81.46'	43.14'
L7	B 544813.82 E 544803.39	B 2511053.47 E 2510768.30	S87°54'23.04"W		285.36'	
C7	PC 544803.39 PI 544798.67 PT 544690.52	PC 2510768.30 PI 2510639.12 PT 2510568.29		54°41'08"	238.61'	129.27'
L8	B 544690.52 E 544570.42	B 2510568.29 E 2510488.53	S33°13'14.77"W		143.57'	
C8	PC 544570.42 PI 544563.32 PT 544556.50	PC 2510488.53 PI 2510484.99 PT 2510479.94		3°14'23"	16.96'	8.48'
L9	B 544556.50 E 544508.92	B 2510479.94 E 2510444.79	S36°27'37.71"W		59.15'	
C9	PC 544508.92 PI 544493.89 PT 544489.83	PC 2510444.79 PI 2510433.68 PT 2510415.43		41°00'18"	35.78'	18.70'
L10	B 544489.83 E 544485.75	B 2510415.43 E 2510397.07	S77°27'55.87"W		18.81'	

MATCHLINE: SEE SHEET AR-SU-041-2 - STA. 9+50



**ACCESS ROAD PROFILE**

AR-SU-041 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
0+61	4+50	E



MATCHLINE: SEE SHEET AR-SU-041-2 - STA. 9+50

Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:28pm  
Drawing Location & Name: G:\0851\14\1404909\DWG\010-CPL\AR\_PP\_1404909(10)-PSU-041.dwg



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

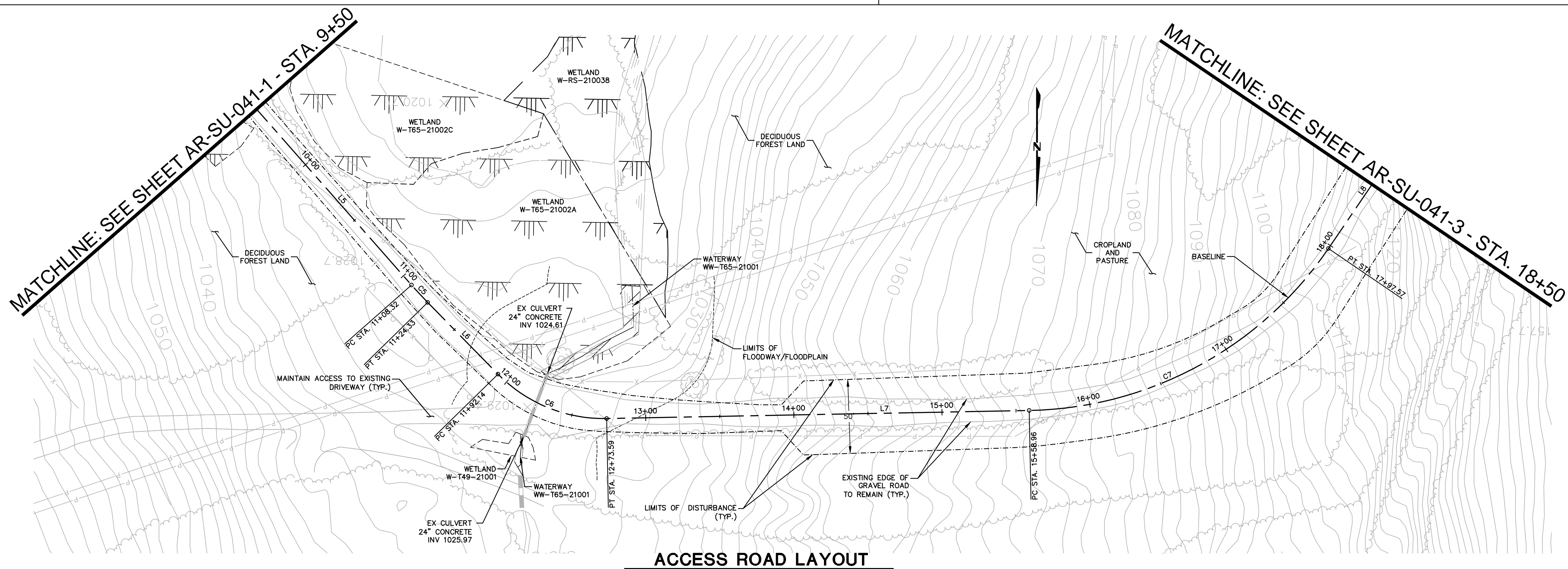
REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH  
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE  
PROPOSED PERMANENT ACCESS ROAD AR-SU-041  
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

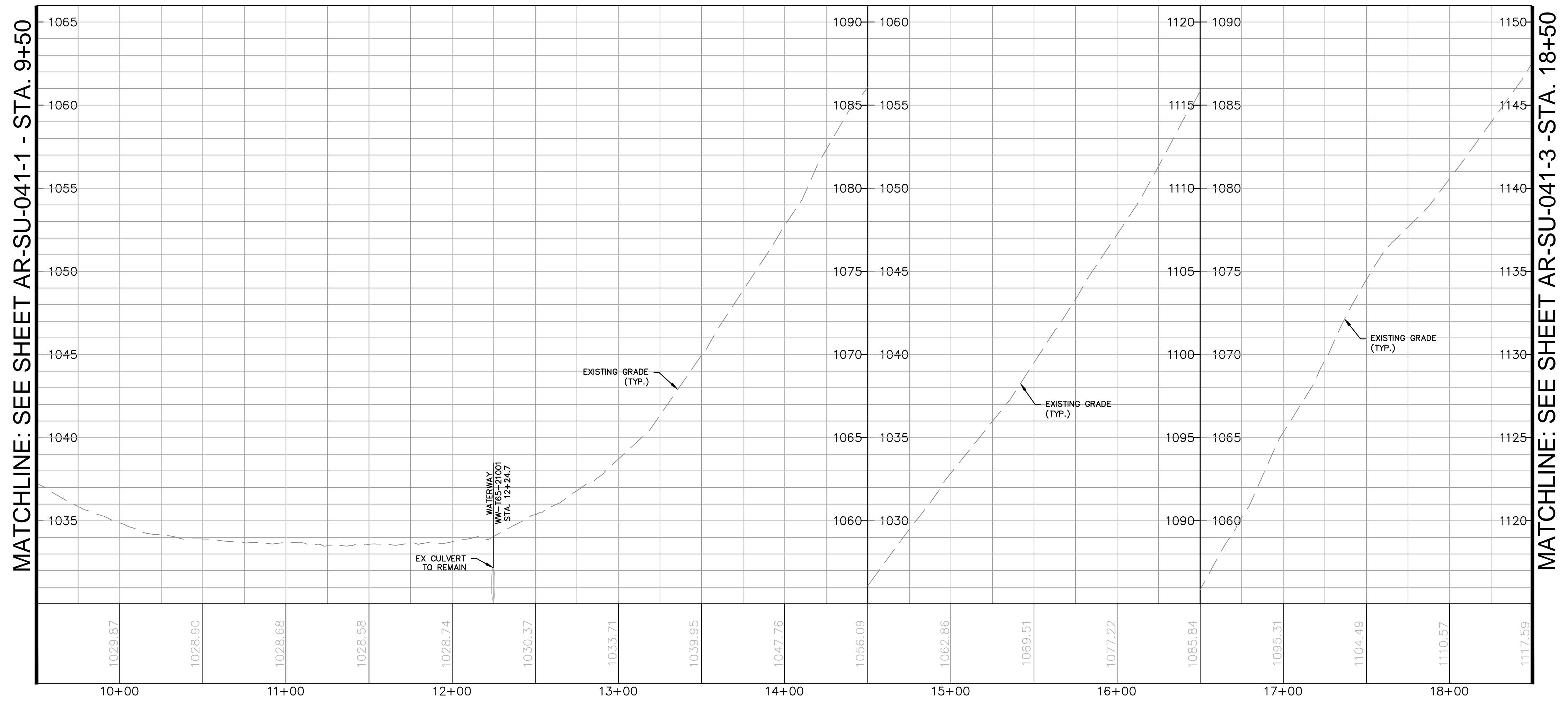
**Williams**

DRAWN BY: OLC	DATE: 3/2015	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: DAK	DATE: 06/09/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/ 1683_3-AR-SU-041	SHEET 1 OF 5

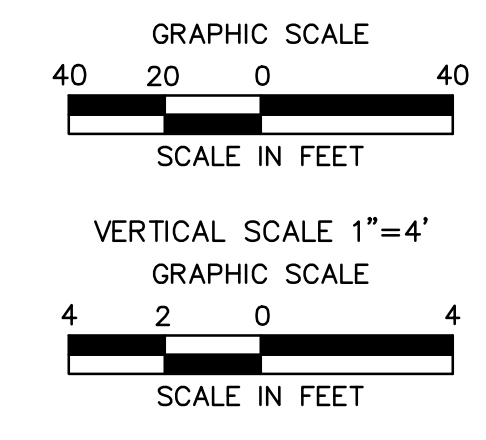
NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



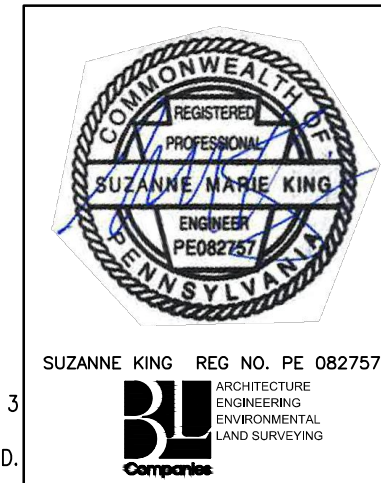
**ACCESS ROAD LAYOUT**



**ACCESS ROAD PROFILE**



NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3  
OF 3 (GENERAL OVERALL SECTION) FOR  
EXISTING AND PROPOSED FEATURES LEGEND.

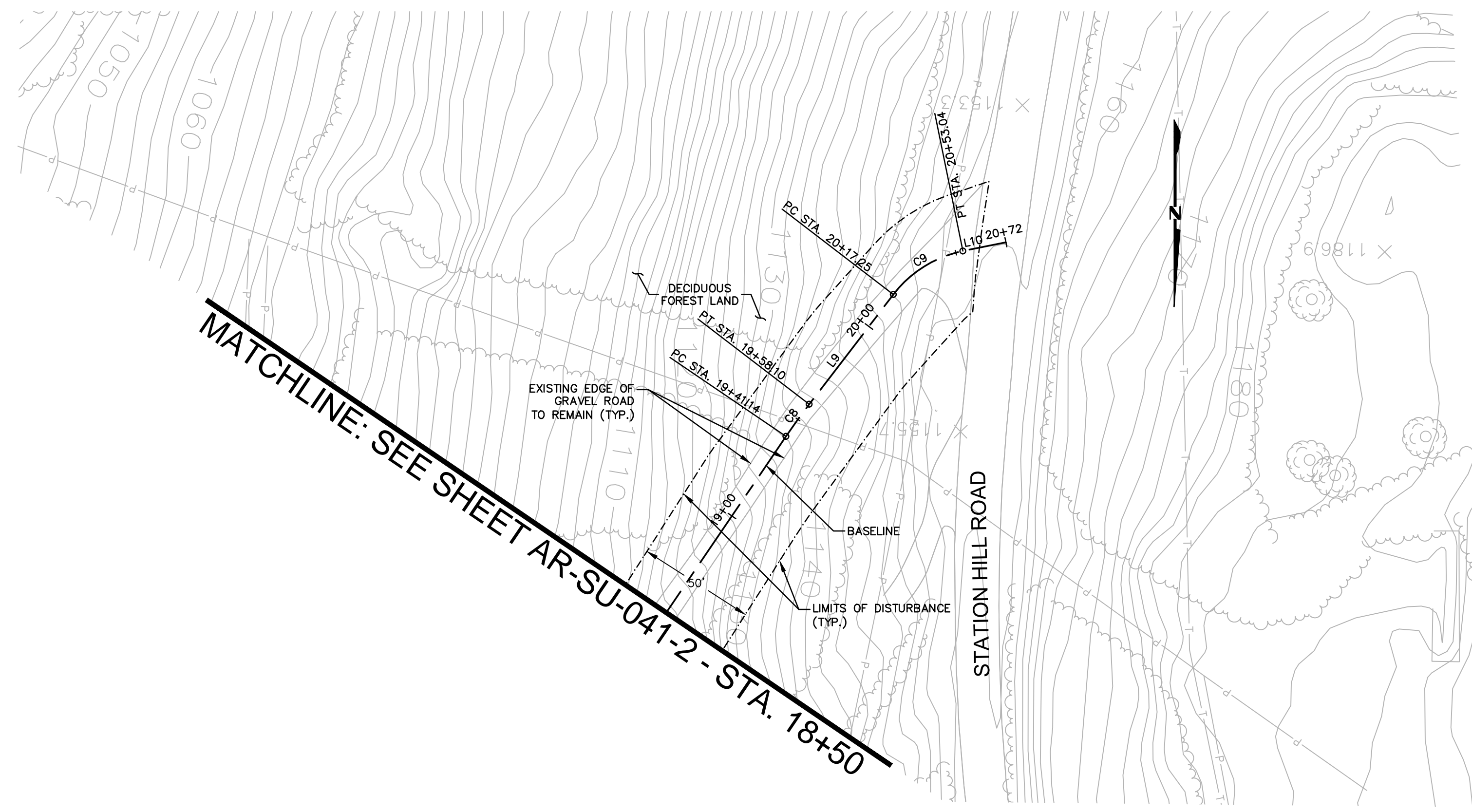


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

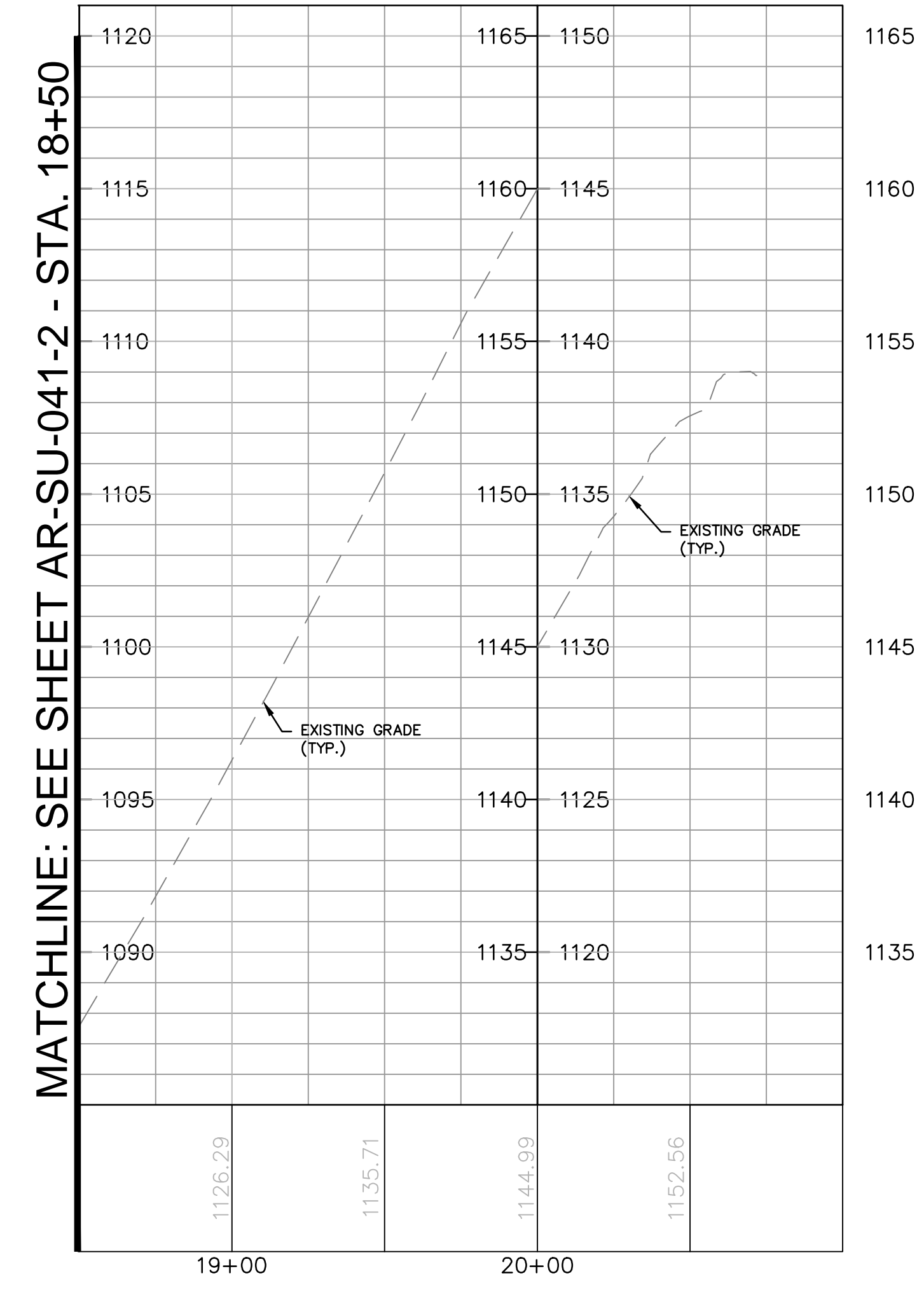
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED PERMANENT ACCESS ROAD AR-SU-041			
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W0161481	ISSUED FOR CONSTRUCTION:	
SCALE:	AS NOTED	REVISION:	J
DRAWING NUMBER:	24-1601-70-28-A/	SHEET	2
PROJECT NUMBER:	1683_3-AR-SU-041	OF	5



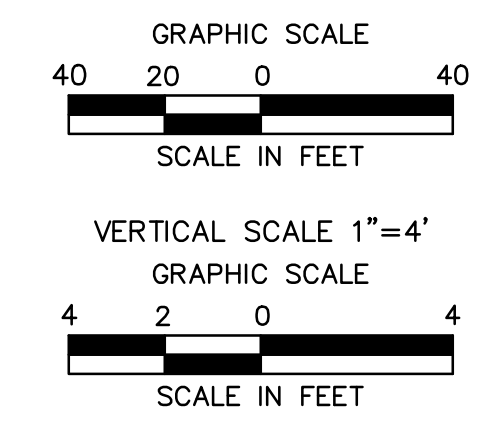
Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:28pm  
 Drawing Location & Name: C:\0851\14\1404909\DWG\010-CPLAN\AR\_PP1404909(10)-PSU-041.dwg



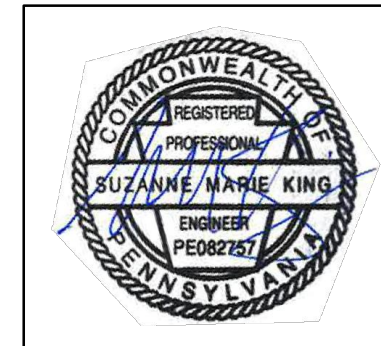
**ACCESS ROAD LAYOUT**



**ACCESS ROAD PROFILE**



NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3  
OF 3 (GENERAL OVERALL SECTION) FOR  
EXISTING AND PROPOSED FEATURES LEGEND.



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

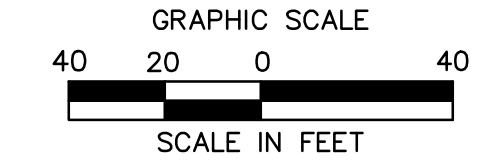
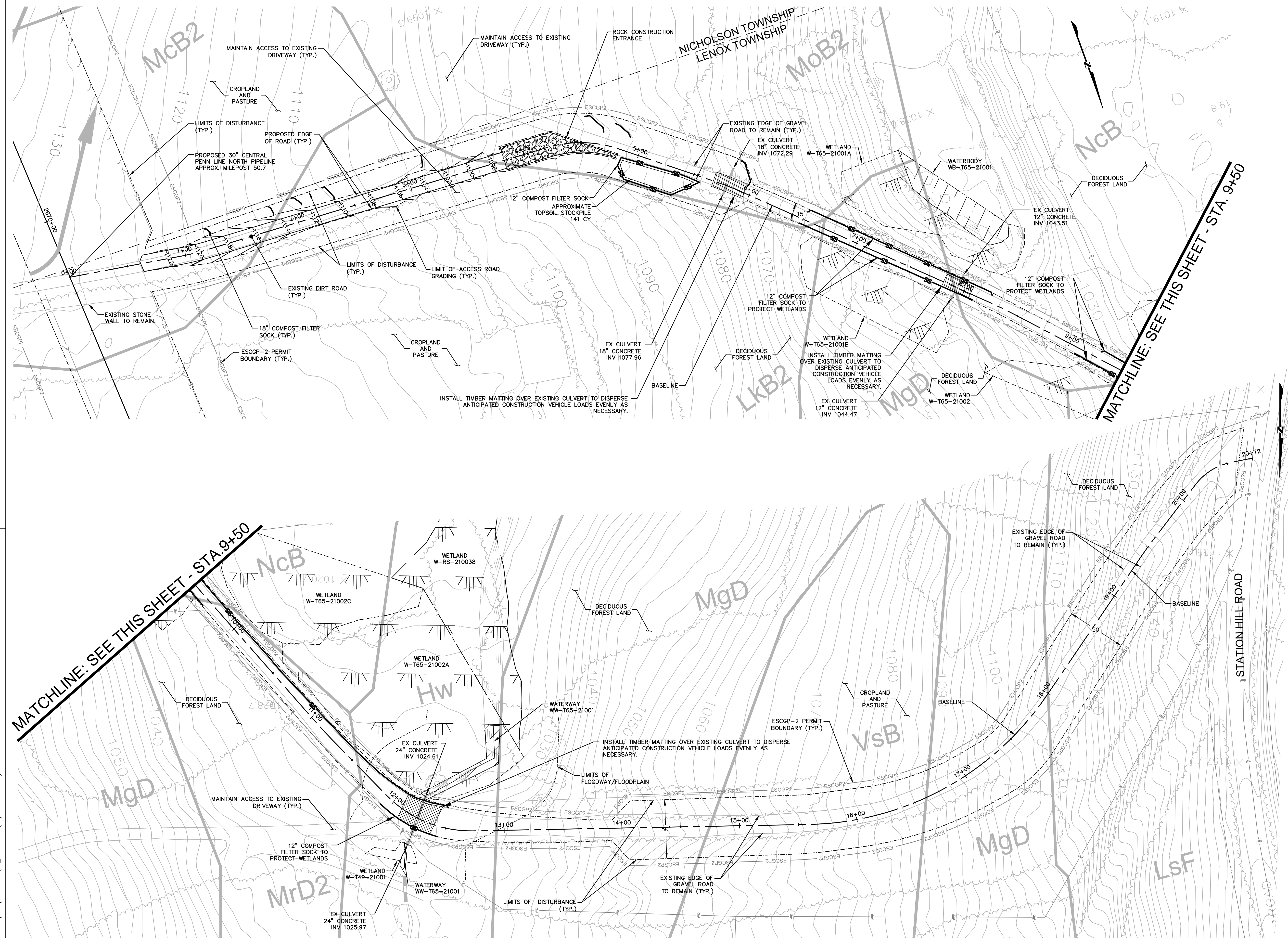
REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30' CENTRAL PENN LINE NORTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED PERMANENT ACCESS ROAD AR-SU-041			
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W01161481	ISSUED FOR CONSTRUCTION:	
SCALE:	AS NOTED	REVISION:	J
DRAWING NUMBER:	24-1601-70-28-A/	SHEET	3
	1683_3-AR-SU-041	OF	5

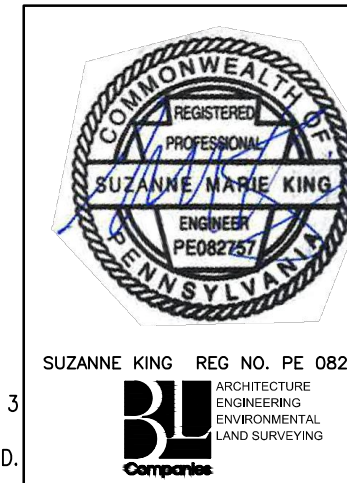


**ROAD SPECIFIC CONSTRUCTION SEQUENCE:**

1. AT LEAST 7 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, ENVIRONMENTAL INSPECTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING.
2. AT LEAST 3 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. HOLD PRE-CONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL INSPECTORS, LOCAL COUNTY CONSERVATION DISTRICT (CCD), PADEP, AND DESIGN ENGINEER.
4. SURVEY CREWS LOCATE AND STAKE ALL SPECIAL AREAS OF CONCERN (E.G., WETLANDS, STREAMS, GULLVERTS, OTHER UTILITIES, ETC.), EDGE OF PROPOSED ACCESS ROAD, AND FIELD LOCATE THE LIMIT OF DISTURBANCE.
5. INSTALL ORANGE CONSTRUCTION FENCE AROUND AREAS TO BE PRESERVED.
6. LOCATE STAGING AREAS AND ACCESS POINTS INCLUDING ROCK CONSTRUCTION ENTRANCE. INSTALL **COMPOST FILTER SOCK** DOWN SLOPE OF THESE AREAS.
7. PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING WILL BE RESTORED TO MEADOW IN GOOD CONDITION.)
8. INSTALL ROCK CONSTRUCTION ENTRANCE.
9. INSTALL TIMBER MATTING OVER CULVERTS AT LOCATIONS NOTED ON PLANS.
10. REMOVE BRUSH TO EFFECTIVELY INSTALL **COMPOST FILTER SOCK**. LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF **COMPOST FILTER SOCK** ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
11. INSTALL **COMPOST FILTER SOCK** AS DEPICTED ON THE E&S DRAWINGS.
12. APPLY STABILIZATION MEASURES IMMEDIATELY TO DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF **COMPOST FILTER SOCK**.
13. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF **COMPOST FILTER SOCK**.
14. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
15. PROCEED WITH MAJOR CLEARING AND GRUBBING.
16. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF ACCESS ROAD.
17. BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL. INSTALL **COMPOST FILTER SOCK** AROUND STOCKPILES. SOIL STOCKPILE AREAS TO SUPPORT THE ACCESS ROADS SHALL BE LOCATED WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING FOR THE SAME ACCESS ROAD THAT THE TOPSOIL WAS STRIPPED, OR WITHIN THE PIPELINE ROW. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK AREA IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
18. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS.
19. ADD AASHTO #57 STONE TO THE PORTION OF THE EXISTING ROAD TO REMAIN IN AREAS WHERE EXISTING GRAVEL IS THINNING OR BARE TO CREATE A UNIFORM TRAVEL SURFACE. CONTINUE ADDING AASHTO #57 STONE TO RUTTED OR THINNING AREAS AS NECESSARY DURING ACTIVE USE OF THE ACCESS ROAD.
20. IMMEDIATELY STABILIZE THE ACCESS ROAD WITH GEOTEXTILE AND GRAVEL SURFACING WHERE INDICATED IN THE E&S PLANS.
21. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, DISTURBED AREAS SHALL BE IMMEDIATELY SEED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES. FOR AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED BY A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. TEMPORARY STABILIZATION WILL NOT OCCUR ON ACTIVE VEHICULAR TRAVEL WAYS WITHIN THE RIGHT OF WAY. THE ON-SITE ENVIRONMENTAL INSPECTOR WILL LOG DAILY ACTIVITY WITHIN THE LIMITS OF DISTURBANCE AND NOTIFY THE CONTRACTOR OF AREAS REQUIRING TEMPORARY STABILIZATION (I.E., AREAS WHERE WORK HAS CEASED FOR AT LEAST FOUR DAYS).
22. ONCE THE TEMPORARY IMPROVEMENTS TO THE PERMANENT ACCESS ROAD ARE NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED PORTIONS OF THE ROAD AND DISPOSE OF THE MATERIALS AT A SUITABLE DISPOSAL OR RECYCLING SITE, IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
23. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTION OF THE ACCESS ROAD. **REPLACE STOCKPILED TOPSOIL** AND GRADE THE DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN **COMPOST FILTER SOCK** UNTIL ACCESS ROAD WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
24. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR AN INSPECTION PRIOR TO THE REMOVAL OF THE **COMPOST FILTER SOCK**. VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL COVER OVER THE ENTIRE DISTURBED AREA TO BE CONSIDERED STABILIZED. ROADWAYS AND PARKING AREAS SHOULD HAVE AT LEAST A CLEAN SUBBASE IN PLACE TO BE CONSIDERED STABILIZED. **IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE ABOVE CONDITIONS ARE MET OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.**
25. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, EITHER:
  - A. LEAVE THE **COMPOST FILTER SOCK** IN PLACE, CUT OPEN THE MESH, AND SPREAD THE MULCH AS A SOIL SUPPLEMENT; OR
  - B. REMOVE THE **COMPOST FILTER SOCK**, STABILIZE AREAS DISTURBED BY REMOVAL, AND PROPERLY DISPOSE/RECYCLE THE **COMPOST FILTER SOCK**.
26. REMOVE ORANGE CONSTRUCTION FENCING AND SECURITY FENCE.
27. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL **COMPOST FILTER SOCK** AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



REVISIONS					
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK. APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK

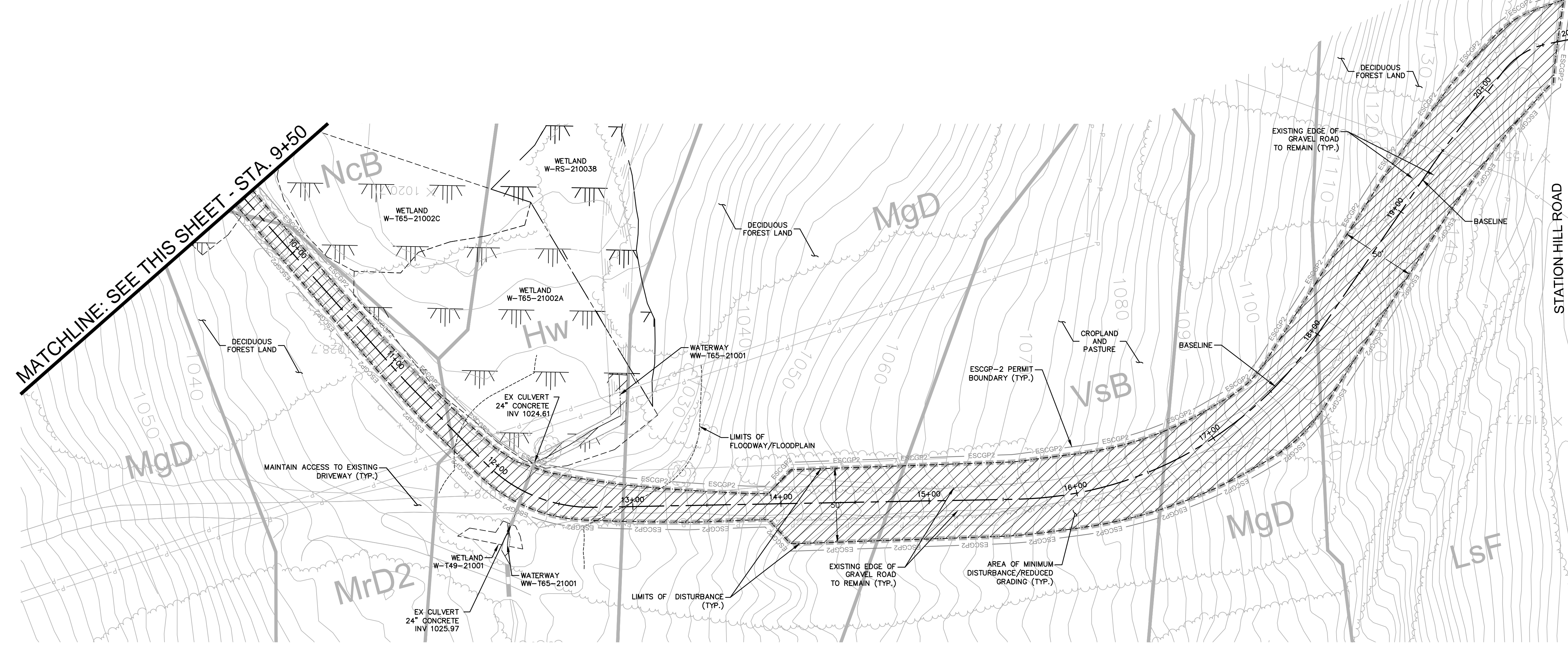
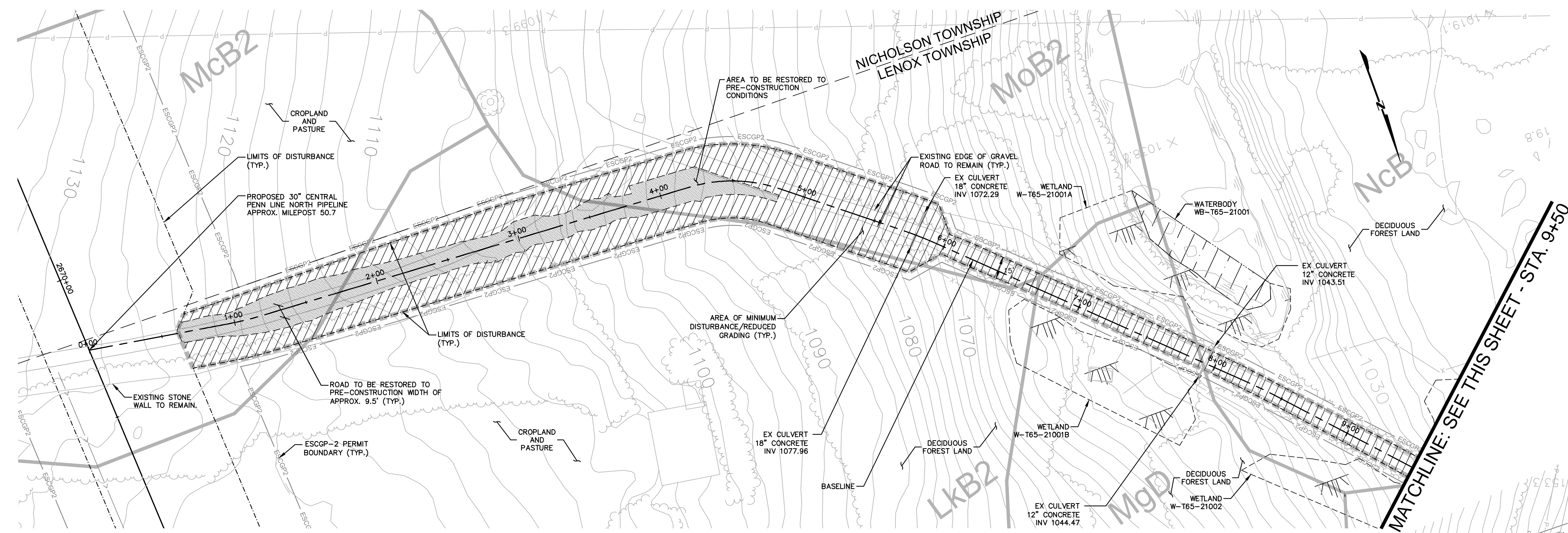
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC					
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH					
ACCESS ROADS - SOIL EROSION CONTROL PLAN					
STORMWATER MANAGEMENT PLAN					
PROPOSED PERMANENT ACCESS ROAD AR-SU-041					
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA					
DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE: 1"=40'
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-041
W.D.:	W0161481				SHEET 4 OF 5



Drawn By & Date/Time: ewhite Apr. 26, 2017 - 2:32pm  
Drawing Location & Name: G:\0851\14\1404909.DWG\010-CPLM\AR\_EC\_4C4909(10)-PSU-041.dwg

**SITE RESTORATION**

- RESTORATION OF THE ACCESS ROAD ROW WILL INCLUDE, BUT IS NOT LIMITED TO, RESTORATION OF EXISTING CONTOURS, RESTORATION OF EXISTING ROADS, DECOMPACTION, AND SEEDING.
- RESTORATION STEPS ARE DESCRIBED IN THE SEQUENCE OF CONSTRUCTION PROVIDED ON THE SOIL EROSION CONTROL PLAN AND IN THE ROAD-SPECIFIC APPENDIX OF THE COUNTY NARRATIVE.
- ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, THE GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS WILL BE REMOVED AND DISPOSED OF AT A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. STONE ADDED TO EXISTING GRAVEL ROADS WILL REMAIN IN PLACE.
- DISTURBED AREAS OUTSIDE EXISTING ROAD AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS. THE SUBSOIL WILL BE DE-COMPACTED AND TOPSOIL WILL BE SPREAD OVER THE DISTURBED AREA. DISTURBED AREAS WILL BE SEEDED AND STABILIZED WITH MULCH OR EROSION CONTROL BLANKETS AS APPLICABLE.
- EROSION CONTROL BLANKETS (ECB) SHALL BE INSTALLED IN THE FOLLOWING AREAS OF DISTURBANCE:
  - AREAS WITHIN 50 FEET OF A STREAM OR WETLAND (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - AREAS WITHIN 100 FEET OF HQ OR EV STREAMS AND WETLANDS (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - SLOPES EQUAL TO 3:1 OR GREATER (SC150 NORTH AMERICAN GREEN OR APPROVED EQUAL).
- E&S BMPs, SUCH AS COMPOST FILTER SOCK AND FILTER SOCK DIVERSIONS, SHALL REMAIN IN PLACE UNTIL THE SITE WORK IS COMPLETE AND FINAL STABILIZATION IS ACHIEVED. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED OVER NON-EXISTING ROADWAY DISTURBED AREAS. IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE AREA HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, THE AREA HAS A PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS, OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.
- RESTORATION WILL PREDOMINATELY OCCUR WITHIN THE AREA LABELED "AREA TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS." DISTURBED AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS (AS SHOWN ON THIS PLAN AND THE ROADWAY LAYOUT AND PROFILE PLAN), EXISTING ROADWAY SURFACES AND WIDTHS WILL BE RESTORED AND NON-EXISTING ROADWAY AREAS WILL BE SEED TO REESTABLISH VEGETATIVE COVER.
- THE "AREA OF MINIMUM DISTURBANCE/REDUCED GRADING" IS THE AREA WITHIN THE LOD AREA THAT IS OUTSIDE THE PROPOSED GRADING AREA. DISTURBANCES WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING WILL BE MINIMAL. THEREFORE, THE SITE RESTORATION IN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING MAY NOT REQUIRE RESTORATION OR MAY BE LIMITED TO SEEDING STOCKPILE AREAS, IF APPLICABLE, TO RESTORE VEGETATION THAT MAY HAVE BEEN IMPACTED BY THE STOCKPILE.



**ESCGP-2 PERMIT TABLE**

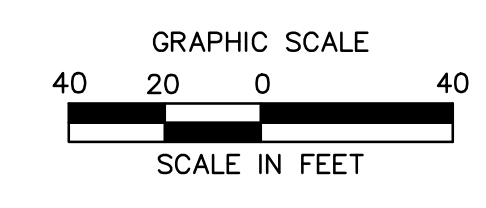
LIMIT OF DISTURBANCE	1.92 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.12 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	1.75 AC.
STORMWATER MANAGEMENT AREA	N/A
AREA CONTROLLED BY PERMANENT BMPs	N/A

**SITE SOIL TYPES**

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

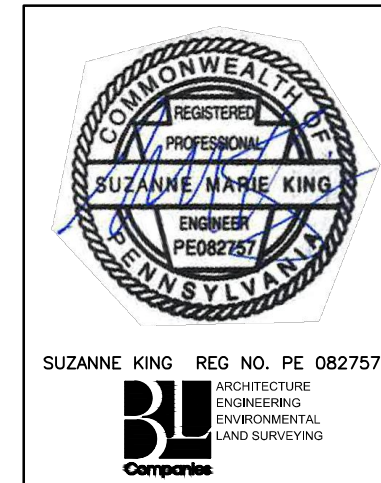
**RECEIVING WATERS**

UNT TO MILLARD CREEK, CWF, MF  
CHAPTER 303(D) IMPAIRMENT: NONE



Drawn By & Date: ewhite Apr 26, 2017 - 2:35pm  
Drawing Location & Name: G:\0851A\14C\14C4909\DWG\010-CPLAN\AR\_PCSM14C4909(10)-PSU-041.dwg

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

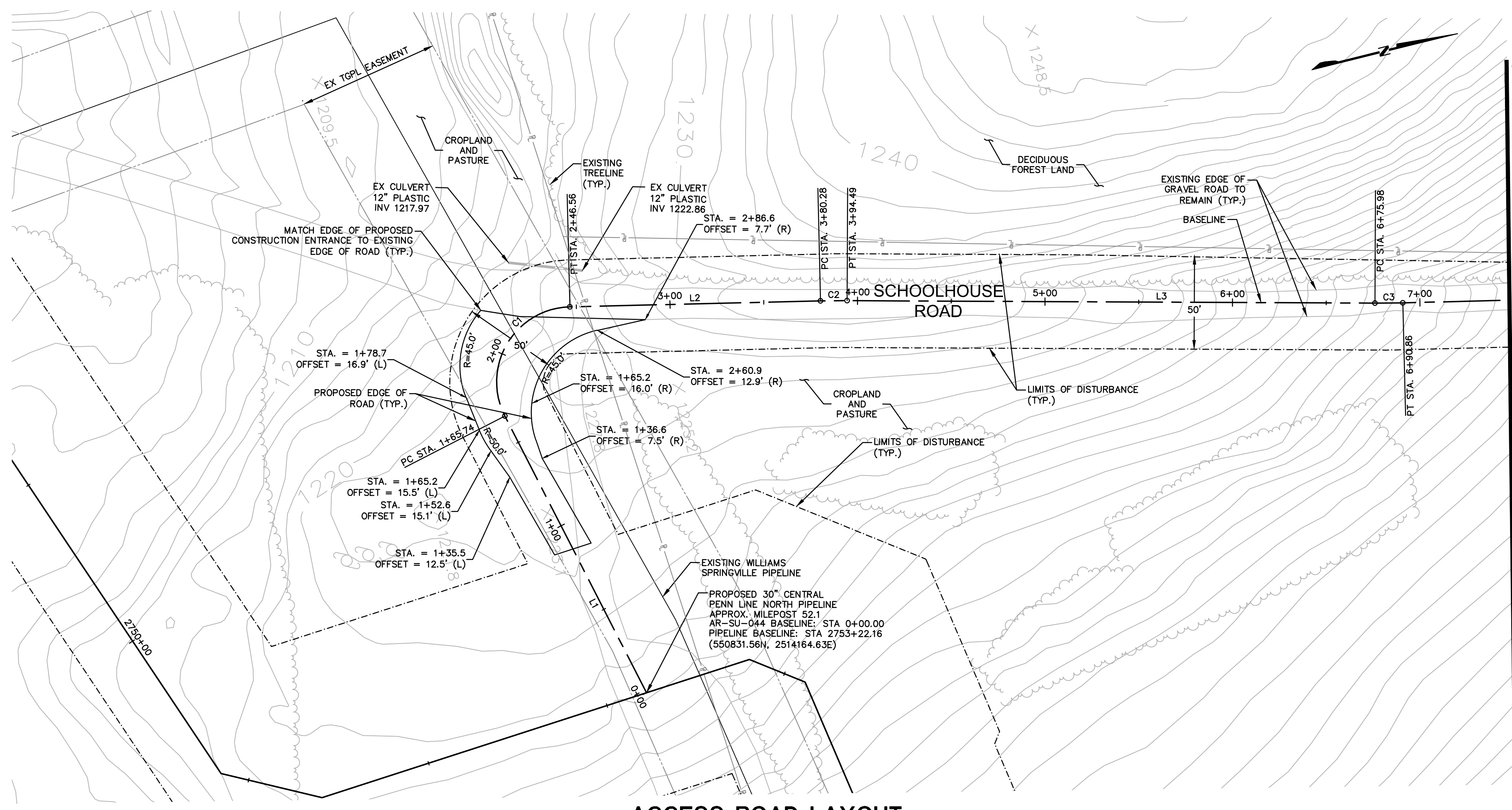


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH  
ACCESS ROADS - SITE RESTORATION PLAN  
PROPOSED PERMANENT ACCESS ROAD AR-SU-041  
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

**Williams**

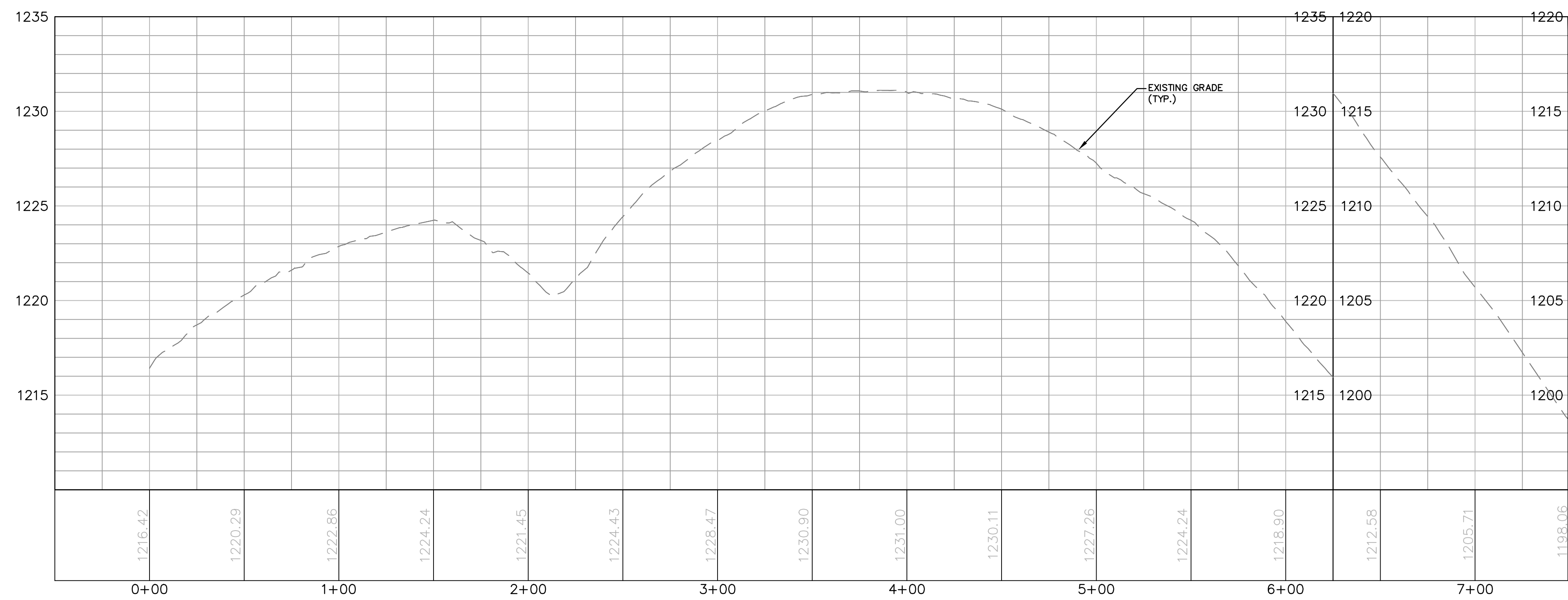
DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-041	SHEET 5 OF 5
W.O.:	W0161481					



MATCHLINE: SEE SHEET AR-SU-044-2 - STA. 7+50

AR-SU-044						
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent Radius
L1	B 550831.56 E 550793.31	B 2514164.63 E 2514003.36	S76°39'33.23"W		165.74'	
C1	PC 550793.31 PI 550778.61 PT 550840.84	PC 2514003.36 PI 2513941.36 PT 2513955.07		N15°45'32"	80.81'	63.71' 40.0'
L2	B 550840.84 E 550971.42	B 2513955.07 E 2513983.82	N12°25'05.38"E		133.72'	
C2	PC 550971.42 PI 550928.38 PT 550985.26	PC 2513983.82 PI 2513983.82 PT 2513987.07		1°37'42"	14.21'	7.11' 500.0'
L3	B 550985.26 E 551258.34	B 2513987.07 E 2514055.40	N14°02'47.85"E		281.50'	
C3	PC 551258.34 PI 551265.55 PT 551272.82	PC 2514055.40 PI 2514057.20 PT 2514058.79		1°42'19"	14.88'	7.44' 500.0'
L4	B 551272.82 E 551403.49	B 2514058.79 E 2514087.38	N12°20'29.22"E		133.76'	
C4	PC 551403.49 PI 551407.99 PT 551412.47	PC 2514087.38 PI 2514088.36 PT 2514089.39		0°31'37"	9.19'	4.60' 1000.0'
L5	B 551412.47 E 551661.96	B 2514089.39 E 2514146.38	N12°52'05.82"E		255.92'	
C5	PC 551661.96 PI 551679.57 PT 551696.85	PC 2514146.38 PI 2514159.41 PT 2514155.69		4°08'18"	36.11'	18.06' 500.0'
L6	B 551696.85 E 551743.38	B 2514155.69 E 2514189.92	N17°00'23.74"E		48.65'	
C6	PC 551743.38 PI 551757.28 PT 551771.42	PC 2514189.92 PI 2514174.18 PT 2514177.61		3°20'02"	29.09'	14.55' 500.0'
L7	B 551771.42 E 551908.58	B 2514177.61 E 2514210.98	N13°40'22.01"E		141.17'	
C7	PC 551908.58 PI 551930.66 PT 551951.88	PC 2514210.98 PI 2514216.35 PT 2514224.99		8°39'44"	45.36'	22.72' 300.0'
L8	B 551951.88 E 552054.62	B 2514224.99 E 2514267.28	N22°20'05.89"E		111.29'	
C8	PC 552054.62 PI 552088.80 PT 552124.67	PC 2514267.28 PI 2514281.32 PT 2514291.19		8°27'12"	73.77'	36.95' 500.0'
L9	B 552124.67 E 552420.17	B 2514291.19 E 2514363.22	N13°52'53.86"E		304.40'	
C9	PC 552420.17 PI 552426.74 PT 552433.27	PC 2514363.22 PI 2514364.84 PT 2514366.64		1°33'04"	13.54'	6.77' 500.0'
L10	B 552433.27 E 552659.23	B 2514366.64 E 2514429.02	N15°25'57.65"E		234.42'	
C10	PC 552659.23 PI 552677.84 PT 552696.78	PC 2514429.02 PI 2514434.18 PT 2514437.85		4°25'16"	38.58'	19.30' 500.0'
L11	B 552696.78 E 552838.45	B 2514437.85 E 2514465.41	N11°00'41.74"E		144.32'	

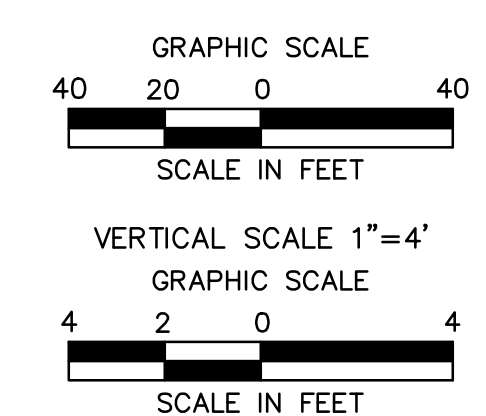
**ACCESS ROAD LAYOUT**



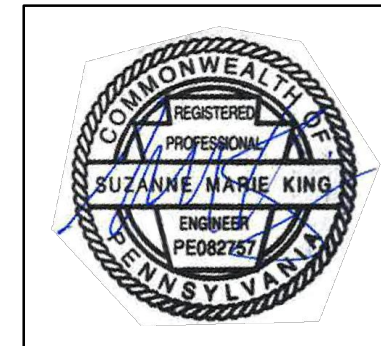
MATCHLINE: SEE SHEET AR-SU-044-2 - STA. 7+50

**ACCESS ROAD PROFILE**

**NOTE:**  
EXISTING ROAD IS TO BE USED DURING CONSTRUCTION; THEREFORE, NO PROPOSED ROADWAY SECTION IS PROVIDED. MAINTAIN EXISTING ASPHALT ACCESS ROAD.



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:37pm  
Drawing Location & Name: G:\0851\14\1404909\DWG\010-CPLAN\AR\_PP\_1404909(10)-TSU-044.dwg



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

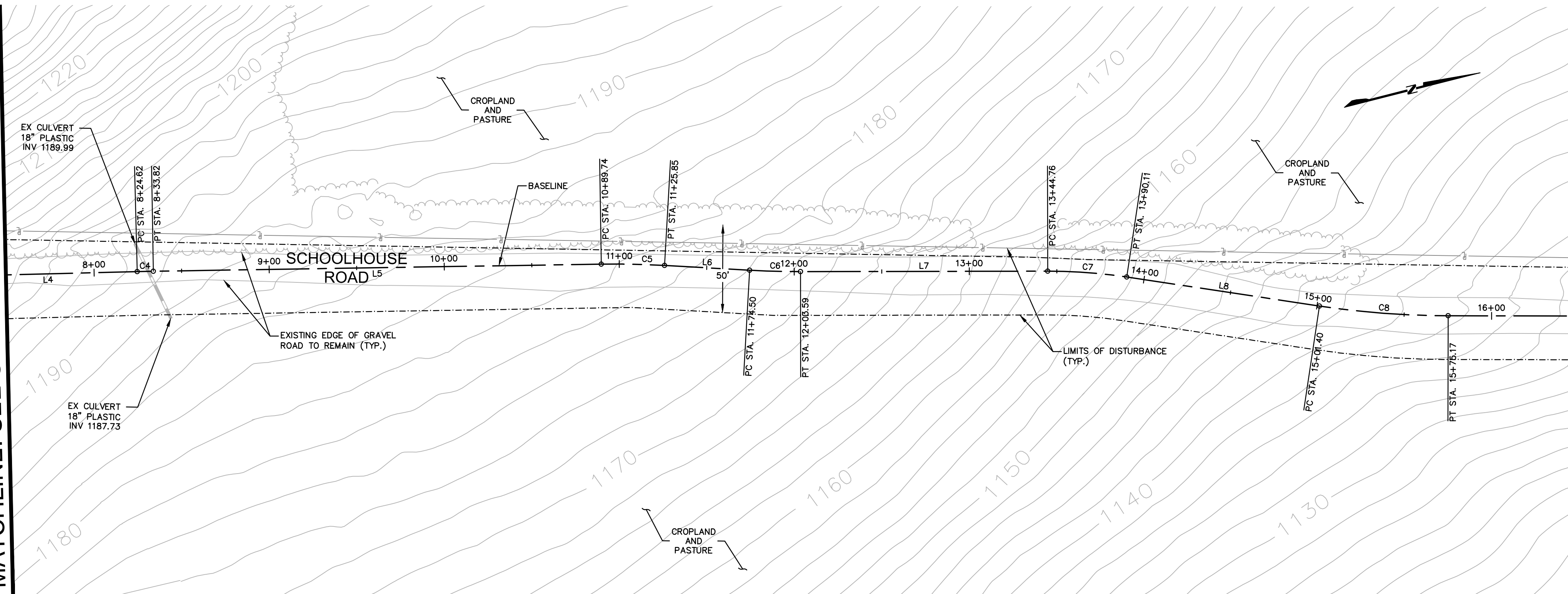
REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED TEMPORARY ACCESS ROAD AR-SU-044			
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.D.:	W01161481	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-044
SCALE:	AS NOTED	REVISION:	J
			SHEET 1 OF 5

**NOTE:**  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



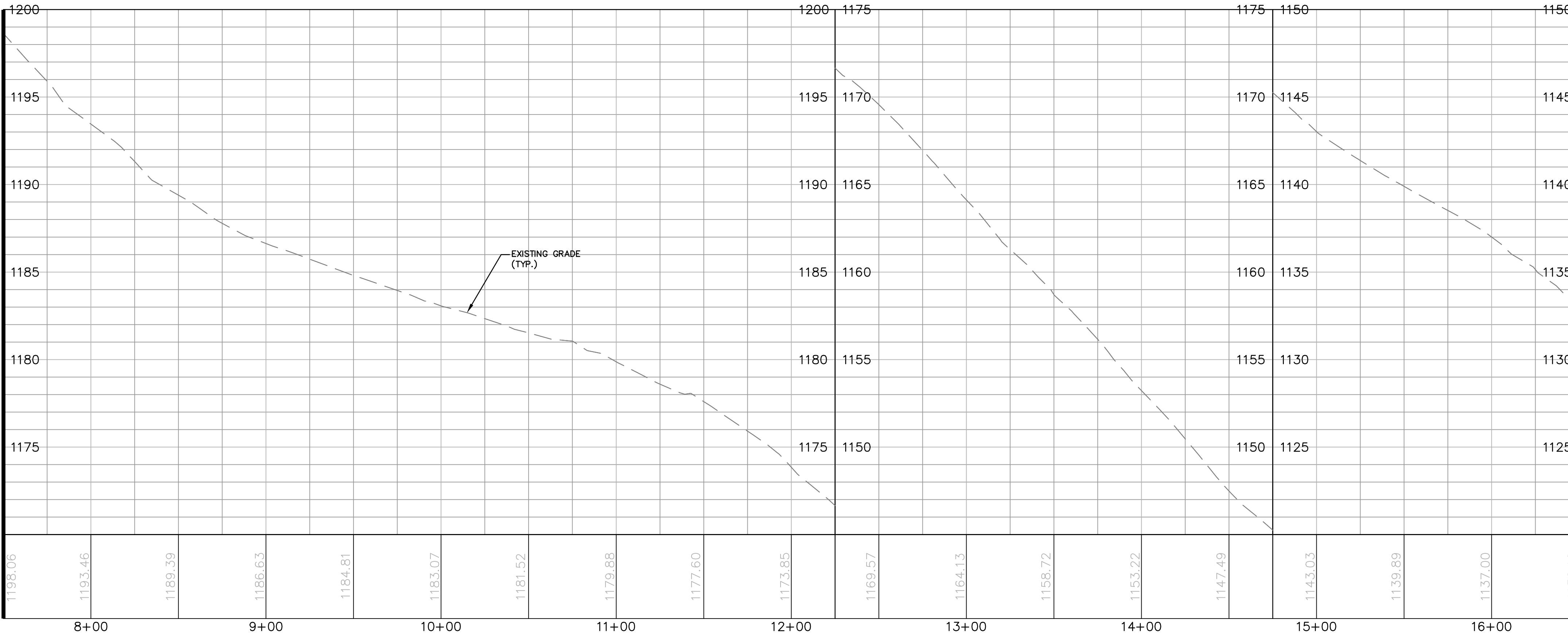
MATCHLINE: SEE SHEET AR-SU-044-1 - STA. 7+50



MATCHLINE: SEE SHEET AR-SU-044-3 - STA. 16+50

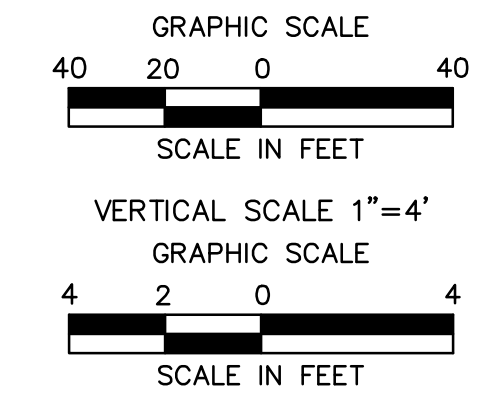
**ACCESS ROAD LAYOUT**

MATCHLINE: SEE SHEET AR-SU-044-1 - STA. 7+50



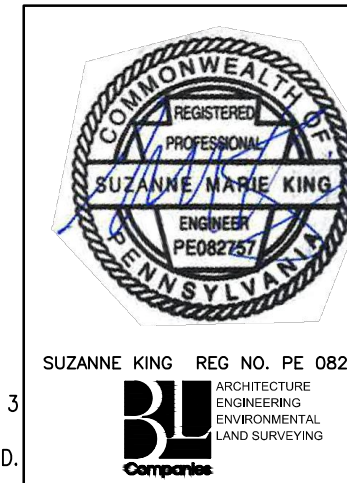
MATCHLINE: SEE SHEET AR-SU-044-3 - STA. 16+50

**ACCESS ROAD PROFILE**



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:37pm  
 Drawing Location & Name: G:\0851\14C\14C4909\DWG\010-CPLAN\AR\_PP140909(10)-TSU-044.dwg

NOTE:  
 SEE TYPICAL SECTIONS AND NOTES SHEET 3  
 OF 3 (GENERAL OVERALL SECTION) FOR  
 EXISTING AND PROPOSED FEATURES LEGEND.

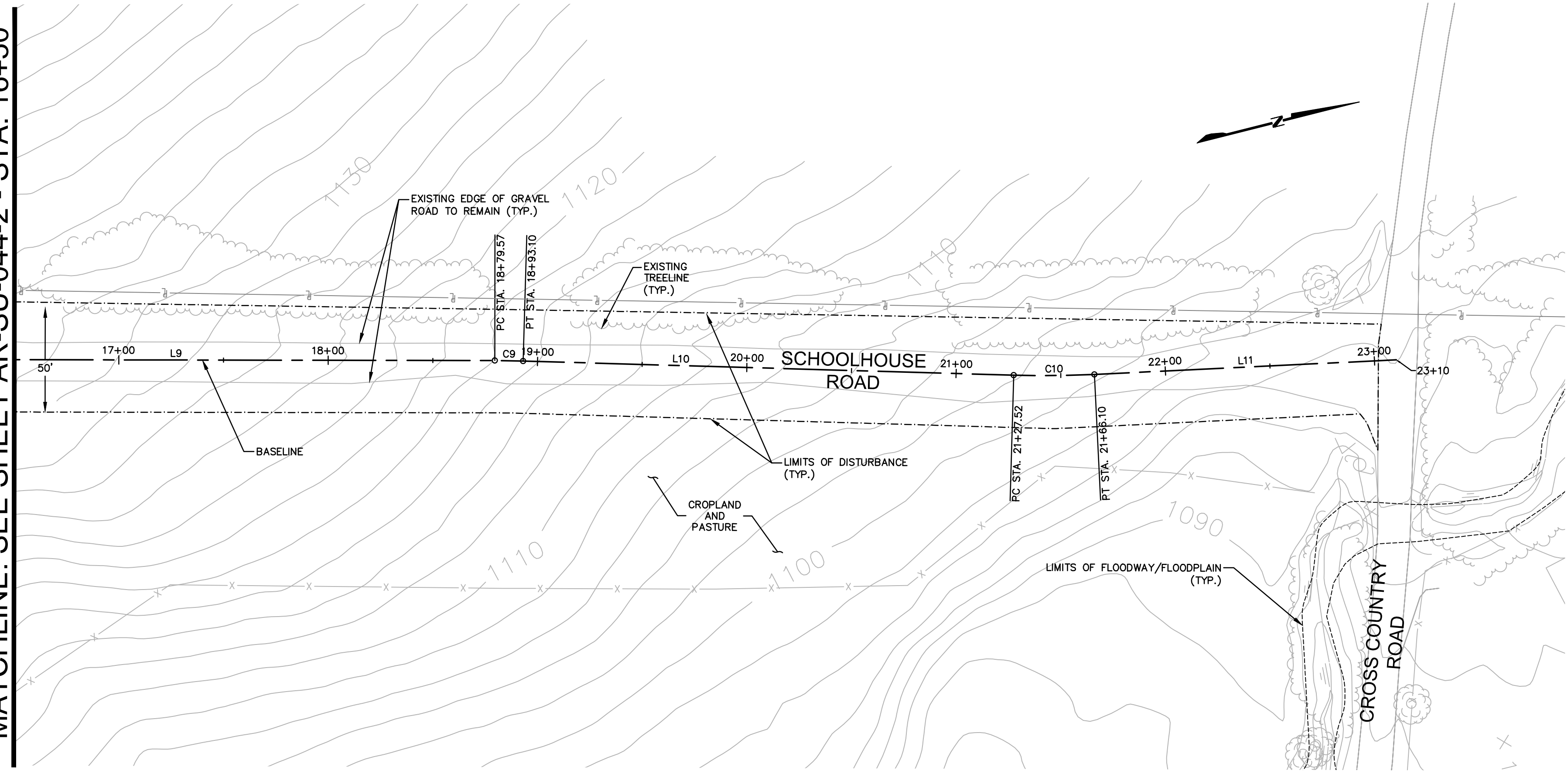


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED TEMPORARY ACCESS ROAD AR-SU-044			
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W01161481	ISSUED FOR CONSTRUCTION:	SCALE: AS NOTED
DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-SU-044			SHEET 2 OF 5

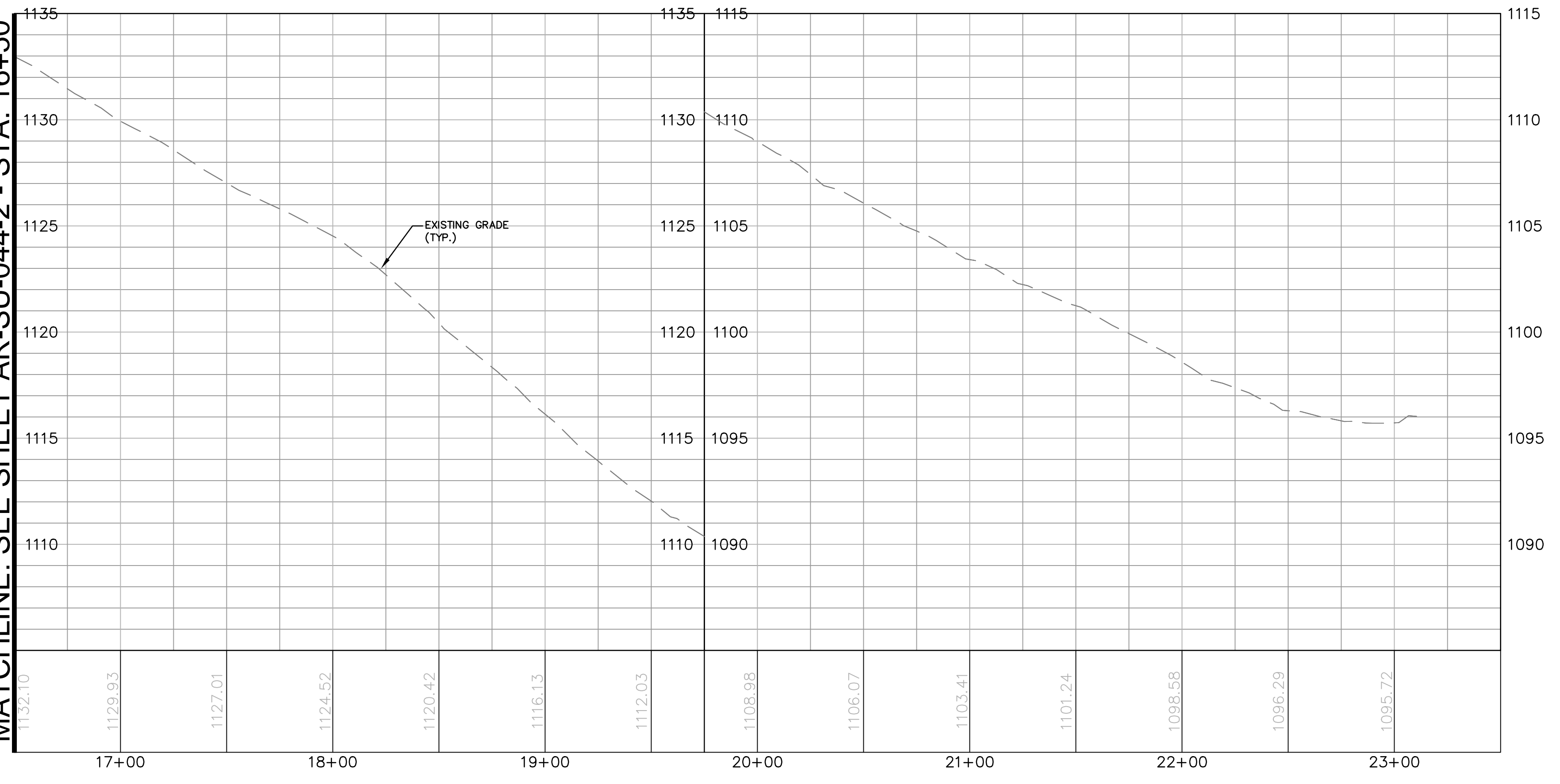


MATCHLINE: SEE SHEET AR-SU-044-2 - STA. 16+50

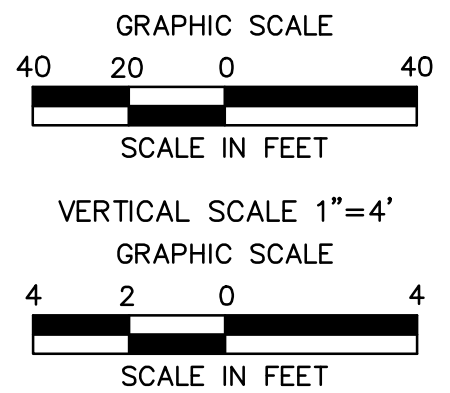


**ACCESS ROAD LAYOUT**

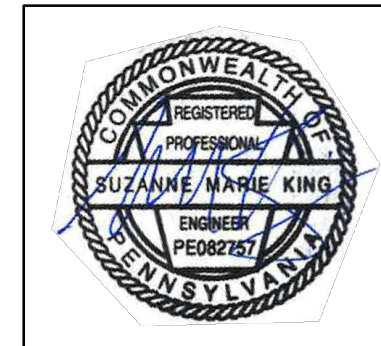
MATCHLINE: SEE SHEET AR-SU-044-2 - STA. 16+50



**ACCESS ROAD PROFILE**



NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3  
OF 3 (GENERAL OVERALL SECTION) FOR  
EXISTING AND PROPOSED FEATURES LEGEND.

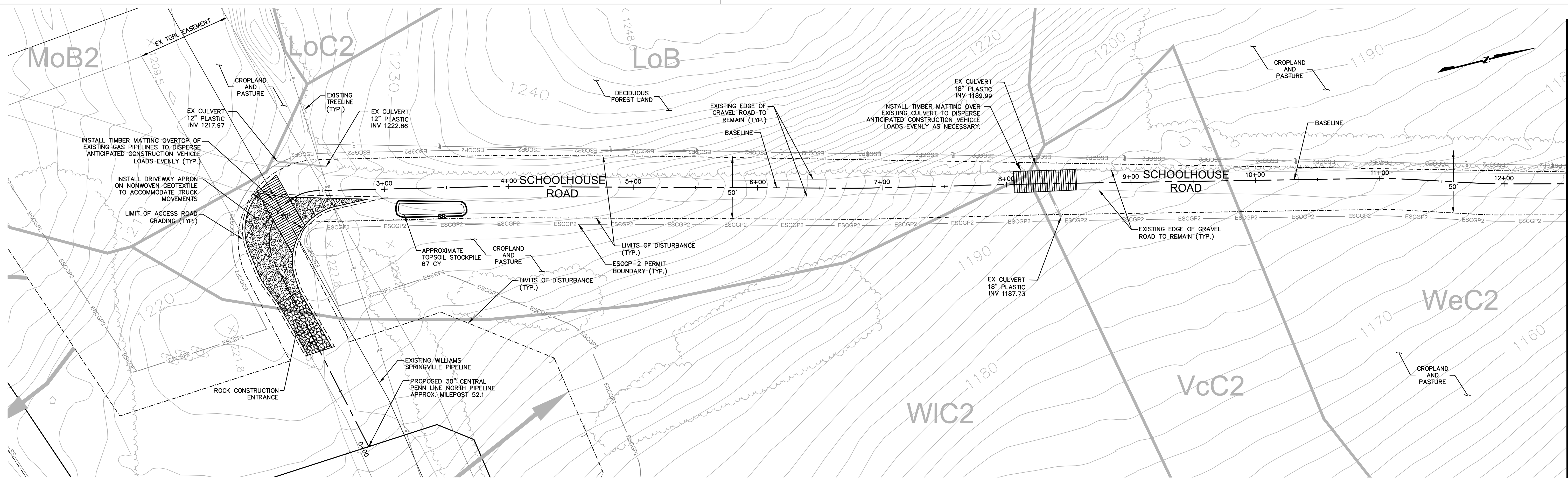


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

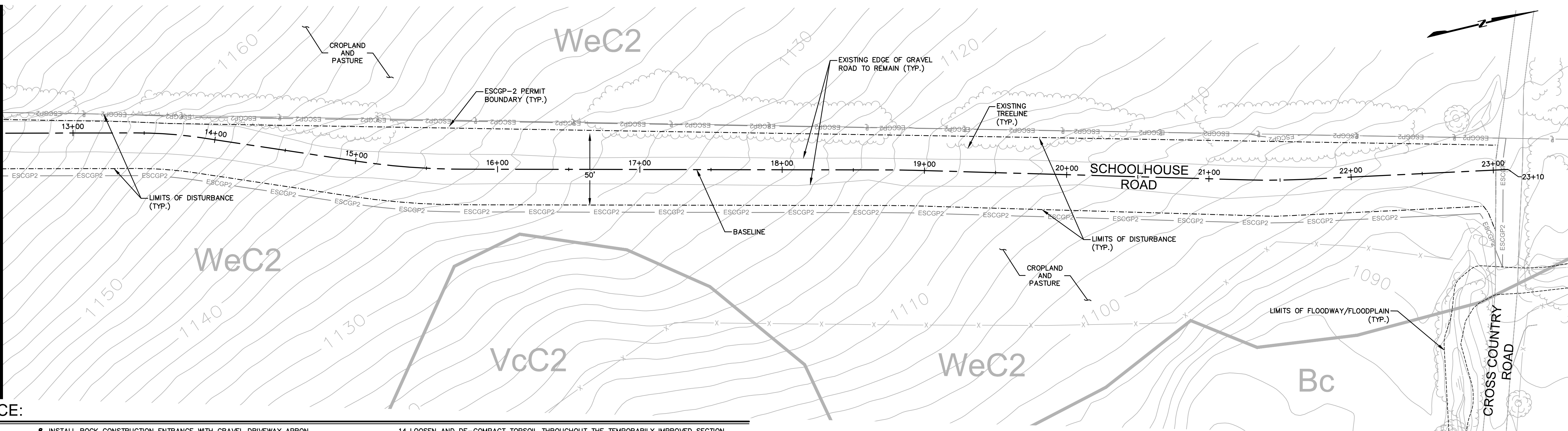
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED TEMPORARY ACCESS ROAD AR-SU-044			
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W01161481	ISSUED FOR CONSTRUCTION:	
SCALE:	AS NOTED	REVISION:	J
DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-044	SHEET	3
		OF	5



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:38pm  
Drawing Location & Name: G:\0851\14C\14C4909\DWG\010-CPLAN\AR\_PP\_14C4909(10)-TSU-044.dwg



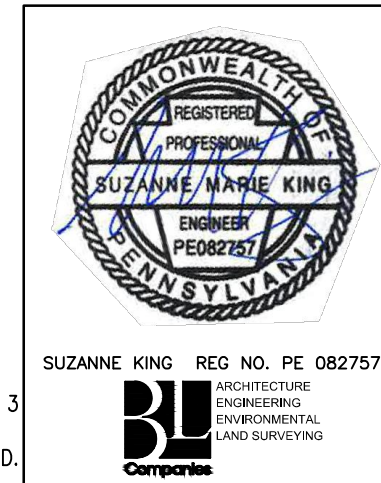
MATCHLINE: SEE THIS SHEET - STA 12+50



**ROAD SPECIFIC CONSTRUCTION SEQUENCE:**

- AT LEAST 7 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, ENVIRONMENTAL INSPECTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- HOLD PRE-CONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL INSPECTORS, LOCAL COUNTY CONSERVATION DISTRICT (CCD), PADEP AND DESIGN ENGINEER.
- SURVEY CREWS LOCATE AND STAKE ALL SPECIAL AREAS OF CONCERN (E.G., WETLANDS, STREAMS, CULVERTS, OTHER UTILITIES, ETC.), EDGE OF PROPOSED ACCESS ROAD, AND FIELD LOCATE THE LIMIT OF DISTURBANCE.
- LOCATE STAGING AREAS AND ACCESS POINTS INCLUDING ROCK CONSTRUCTION ENTRANCE.
- PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING WILL BE RESTORED TO MEADOW IN GOOD CONDITION.)
- STRIP AND STOCKPILE TOPSOIL: INSTALL COMPOST FILTER SOCK AROUND STOCKPILES. SOIL STOCKPILE AREAS TO SUPPORT THE ACCESS ROADS SHALL BE LOCATED WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING FOR THE SAME ACCESS ROAD THAT THE TOPSOIL WAS STRIPPED, OR WITHIN THE PIPELINE ROW. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK AREA IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.**
- INSTALL ROCK CONSTRUCTION ENTRANCE WITH GRAVEL DRIVEWAY APRON.
- INSTALL TIMBER MATTING OVER EXISTING PIPELINE CROSSING IN THE LOCATION SHOWN ON PLANS
- INSTALL TIMBER MATTING OVER CULVERT AT LOCATION NOTED ON PLANS.
- ADD AASHTO #57 STONE TO THE PORTION OF THE EXISTING ROAD TO REMAIN IN AREAS WHERE EXISTING GRAVEL IS THINNING OR BARE TO CREATE A UNIFORM TRAVEL SURFACE. CONTINUE ADDING AASHTO #57 STONE TO RUTTED OR CRACKING AREAS AS NECESSARY DURING ACTIVE USE OF THE ACCESS ROAD.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, DISTURBED AREAS SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES. FOR AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED BY A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. TEMPORARY STABILIZATION WILL NOT OCCUR ON ACTIVE VEHICULAR TRAVEL WAYS WITHIN THE RIGHT OF WAY. THE ON-SITE ENVIRONMENTAL INSPECTOR WILL LOG DAILY ACTIVITY WITHIN THE LIMITS OF DISTURBANCE AND NOTIFY THE CONTRACTOR OF AREAS REQUIRING TEMPORARY STABILIZATION (I.E., AREAS WHERE WORK HAS CEASED FOR AT LEAST FOUR DAYS).
- ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED PORTION OF THE ROAD AND DISPOSE OF THE MATERIALS AT A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. RESTORE PRE-CONSTRUCTION GRADES. IMMEDIATELY SEED AND STABILIZE DISTURBED AREAS.
- LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTION OF THE ACCESS ROAD. REPLACE STOCKPILED TOPSOIL AND GRADE THE DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN **COMPOST FILTER SOCK** UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR AN INSPECTION PRIOR TO THE REMOVAL OF THE COMPOST FILTER SOCK. VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL COVER OVER THE ENTIRE DISTURBED AREA TO BE CONSIDERED STABILIZED. ROADWAYS AND PARKING AREAS SHOULD HAVE AT LEAST A CLEAN SUBBASE IN PLACE TO BE CONSIDERED STABILIZED. **IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE ABOVE CONDITIONS ARE MET OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.**
- UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, **EITHER:**
  - LEAVE THE COMPOST FILTER SOCK IN PLACE, CUT OPEN THE MESH, AND SPREAD THE MULCH AS A SOIL SUPPLEMENT; OR
  - REMOVE THE COMPOST FILTER SOCK, STABILIZE AREAS DISTURBED BY REMOVAL, AND PROPERLY DISPOSE/RECYCLE THE COMPOST FILTER SOCK.
- REMOVE ORANGE CONSTRUCTION FENCING AND SECURITY FENCE.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL **COMPOST FILTER SOCK** AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.

NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



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	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT- PROPOSED 30" CENTRAL PENN LINE NORTH

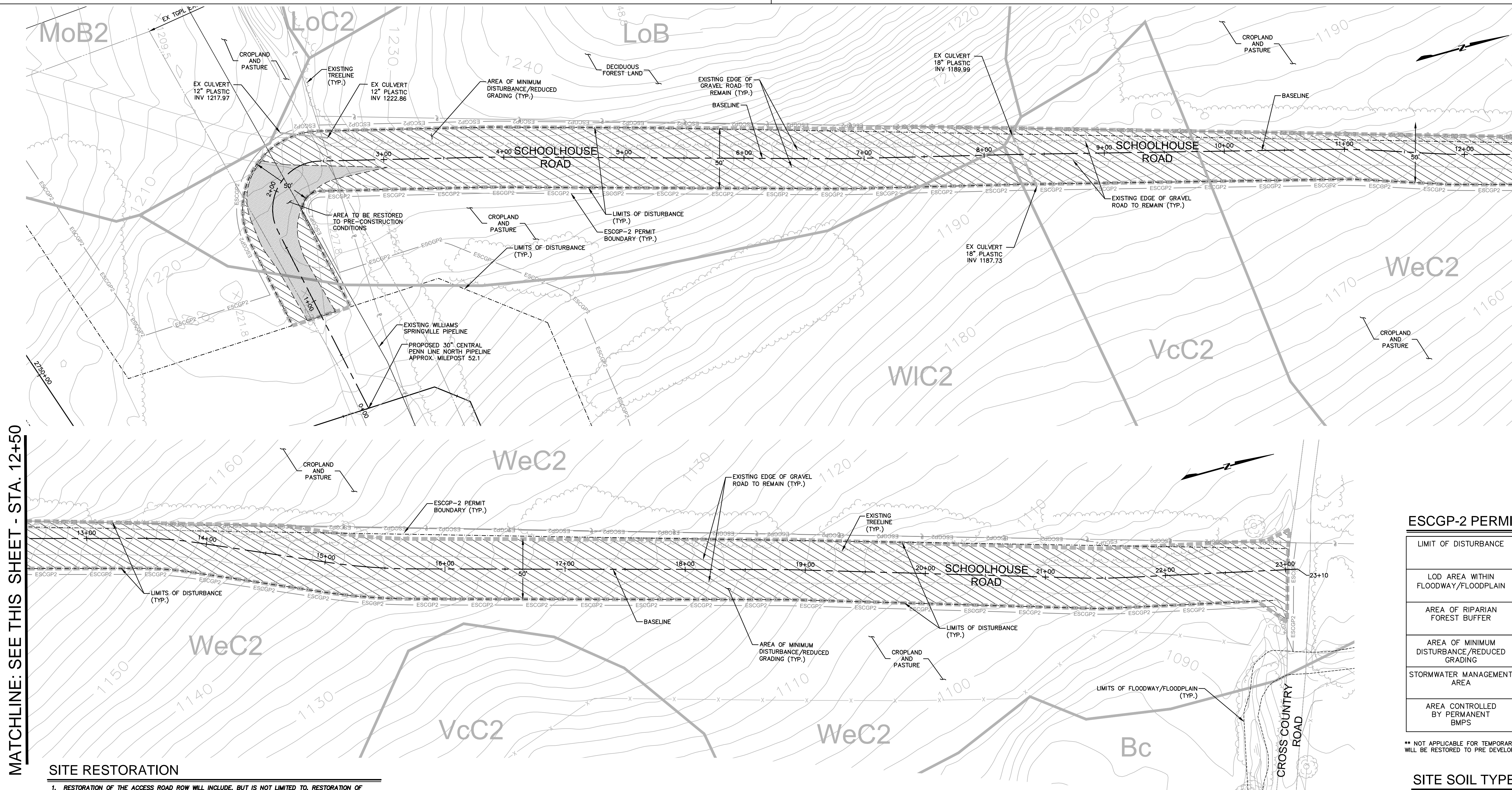
ACCESS ROADS - SOIL EROSION CONTROL PLAN  
PROPOSED TEMPORARY ACCESS ROAD AR-SU-044  
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

Williams

DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-044	SHEET 4 OF 5
W.O. NO:	W0161481					

MATCHLINE: SEE THIS SHEET - STA. 12+50

MATCHLINE: SEE THIS SHEET - STA. 12+50



**ESCGP-2 PERMIT TABLE**

LIMIT OF DISTURBANCE	2.42 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	2.30 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPS	N/A**

\*\* NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

**SITE SOIL TYPES**

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

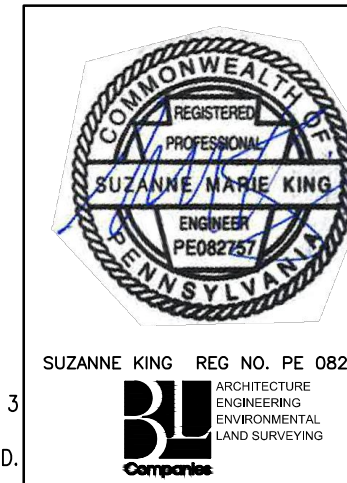
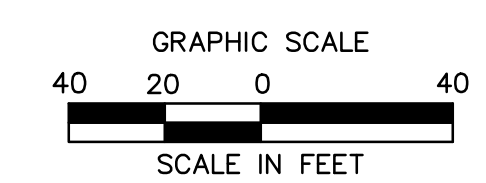
**RECEIVING WATERS**

WILLOW BROOK, CWF, MF  
CHAPTER 303(D) IMPAIRMENT: NONE

**SITE RESTORATION**

- RESTORATION OF THE ACCESS ROAD ROW WILL INCLUDE, BUT IS NOT LIMITED TO, RESTORATION OF EXISTING CONTOURS, RESTORATION OF EXISTING ROADS, DECOMPACTION, AND SEEDING.
- RESTORATION STEPS ARE DESCRIBED IN THE SEQUENCE OF CONSTRUCTION PROVIDED ON THE SOIL EROSION CONTROL PLAN AND IN THE ROAD-SPECIFIC APPENDIX OF THE COUNTY NARRATIVE.
- ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, THE GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS WILL BE REMOVED AND DISPOSED OF AT A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. STONE ADDED TO EXISTING GRAVEL ROADS WILL REMAIN IN PLACE.
- DISTURBED AREAS OUTSIDE EXISTING ROAD AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS. THE SUBSOIL WILL BE DE-COMPACTED AND TOPSOIL WILL BE SPREAD OVER THE DISTURBED AREA. DISTURBED AREAS WILL BE SEEDING AND STABILIZED WITH MULCH OR EROSION CONTROL BLANKETS AS APPLICABLE.
- EROSION CONTROL BLANKETS (ECB) SHALL BE INSTALLED IN THE FOLLOWING AREAS OF DISTURBANCE:
  - AREAS WITHIN 50 FEET OF A STREAM OR WETLAND (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - AREAS WITHIN 100 FEET OF HQ OR EV STREAMS AND WETLANDS (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - SLOPES EQUAL TO 3:1 OR GREATER (SC150 NORTH AMERICAN GREEN OR APPROVED EQUAL).
- ERSC BMPS, SUCH AS COMPOST FILTER SOCK AND FILTER SOCK DIVERSIONS, SHALL REMAIN IN PLACE UNTIL THE SITE WORK IS COMPLETE AND FINAL STABILIZATION IS ACHIEVED. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED OVER NON-EXISTING ROADWAY DISTURBED AREAS. IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE AREA HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, THE AREA HAS A PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS, OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.
- RESTORATION WILL PREDOMINATELY OCCUR WITHIN THE AREA LABELED "AREA TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS." DISTURBED AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS (AS SHOWN ON THIS PLAN AND THE ROADWAY LAYOUT AND PROFILE PLAN). EXISTING ROADWAY SURFACES AND WIDTHS WILL BE RESTORED AND NON-EXISTING ROADWAY AREAS WILL BE SEEDING TO REESTABLISH VEGETATIVE COVER.
- THE "AREA OF MINIMUM DISTURBANCE/REDUCED GRADING" IS THE AREA WITHIN THE LOD AREA THAT IS OUTSIDE THE PROPOSED GRADING AREA. DISTURBANCES WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING WILL BE MINIMAL. THEREFORE, THE SITE RESTORATION IN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING MAY NOT REQUIRE RESTORATION OR MAY BE LIMITED TO SEEDING STOCKPILE AREAS, IF APPLICABLE, TO RESTORE VEGETATION THAT MAY HAVE BEEN IMPACTED BY THE STOCKPILE.

NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



REVISIONS					
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK. APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK

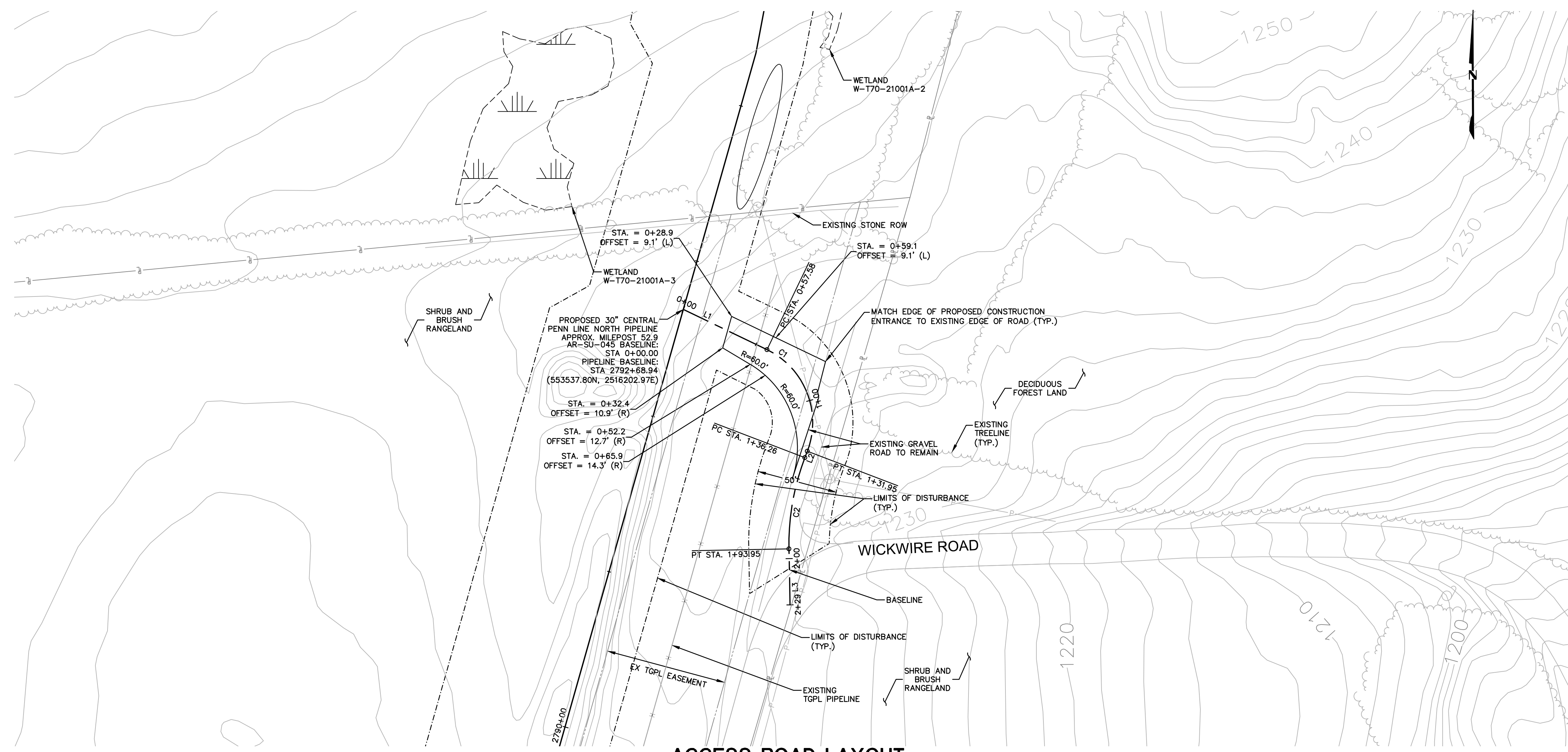
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH

ACCESS ROADS - SITE RESTORATION PLAN  
PROPOSED TEMPORARY ACCESS ROAD AR-SU-044  
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

Williams

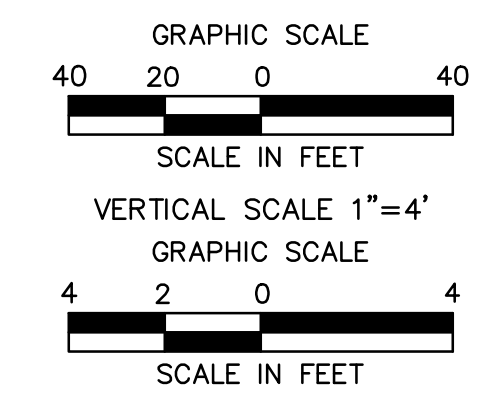
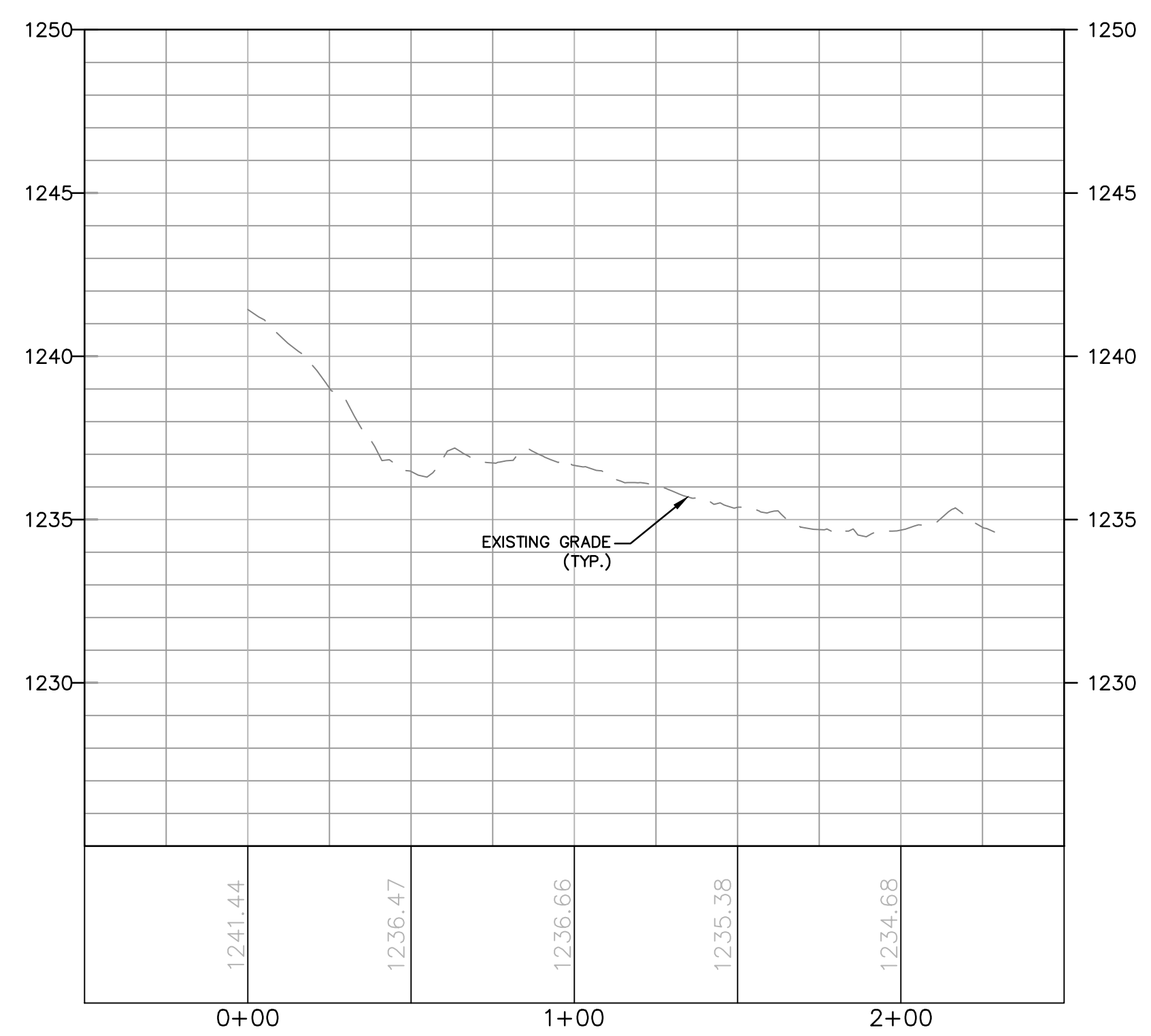
DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-044	SHEET 5 OF 5
W.D.:	W01161481					

Drawing Location & Name: C:\08514\14C\14C4909\DWG\010-CPLAN\AR\_PCSM14C4909(10)-TSU-044.dwg  
 Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:42pm

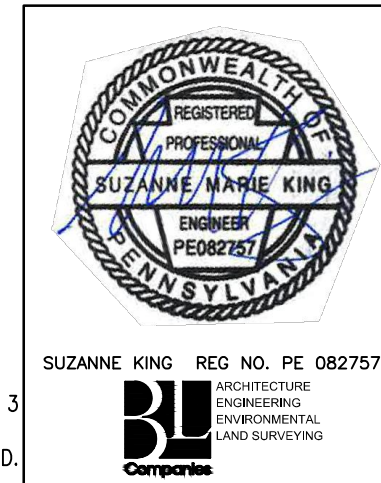


AR-SU-045							
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 553537.80 E 553512.82	B 2516202.97 E 2516254.86	S64°17'54.56"E		57.58'		
C1	PC 553512.82 PI 553449.91 PT 553449.91	PC 2516254.86 PI 2516278.34 PT 2516278.34		85°13'21"	74.37'	46.00'	50.0'
L2	B 553449.91 E 553445.89	B 2516278.34 E 2516278.34	S20°55'26.81"W		4.30'		
C2	PC 553445.89 PI 553418.61 PT 553389.41	PC 2516278.34 PI 2516267.91 PT 2516268.48		22°02'12"	57.69'	29.21'	150.0'
L3	B 553389.41 E 553354.72	B 2516268.48 E 2516269.15	S1°06'45.66"E		34.70'		

**NOTE:**  
ROCK CONSTRUCTION ENTRANCE ENCOMPASSES THE FULL LENGTH OF THE PROPOSED ACCESS ROAD. THEREFORE, NO PROPOSED ROADWAY SECTION IS PROVIDED.



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:44pm  
 Drawing Location & Name: G:\0851\14C\14C4909\DWG\010-CPLAN\AR\_PP14C4909(10)-TSU-045.dwg



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
 ATLANTIC SUNRISE PROJECT- PROPOSED 30" CENTRAL PENN LINE NORTH

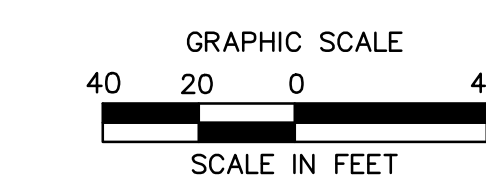
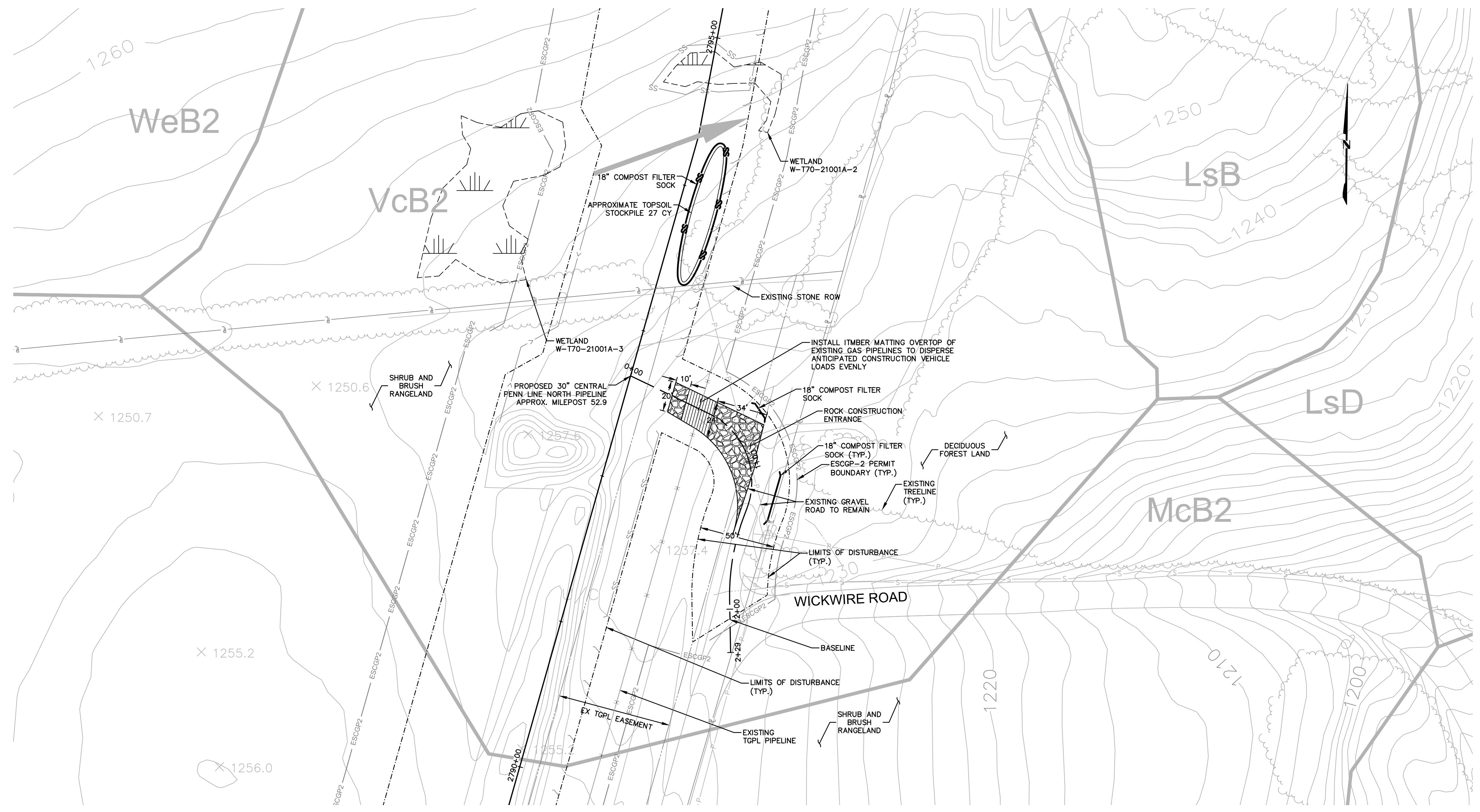
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE  
 PROPOSED TEMPORARY ACCESS ROAD AR-SU-045  
 LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

DRAWN BY: OLC DATE: 3/2015 ISSUED FOR BID: SCALE: AS NOTED  
 CHECKED BY: DAK DATE: 06/09/15 ISSUED FOR CONSTRUCTION: REVISION: J  
 APPROVED BY: SMK DATE: 07/07/15 DRAWING NUMBER: 24-1601-70-28-A/1683\_3-AR-SU-045 SHEET 1 OF 3  
 W.D. W01161481

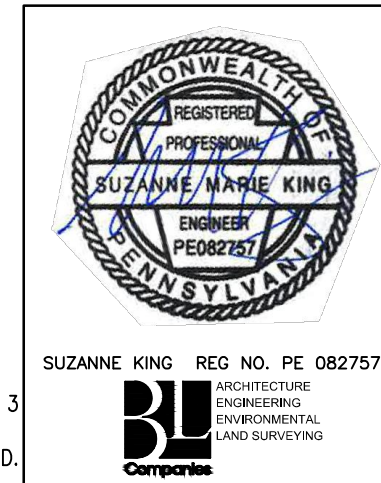
NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.

**ROAD SPECIFIC CONSTRUCTION SEQUENCE:**

- AT LEAST 7 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, ENVIRONMENTAL INSPECTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- HOLD PRE-CONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL INSPECTORS, LOCAL COUNTY CONSERVATION DISTRICT (CCD), PADEP AND DESIGN ENGINEER.
- SURVEY CREWS LOCATE AND STAKE ALL SPECIAL AREAS OF CONCERN (E.G., WETLANDS, STREAMS, CULVERTS, OTHER UTILITIES, ETC.), EDGE OF PROPOSED ACCESS ROAD, AND FIELD LOCATE THE LIMIT OF DISTURBANCE.
- INSTALL ORANGE CONSTRUCTION FENCE AROUND AREAS TO BE PRESERVED.
- LOCATE STAGING AREAS AND ACCESS POINTS INCLUDING ROCK CONSTRUCTION ENTRANCE. INSTALL **COMPOST FILTER SOCK** DOWN SLOPE OF THESE AREAS.
- PERFORM TREE CUTTING WHERE REQUIRED.
- STRIP AND STOCKPILE TOPSOIL; INSTALL **COMPOST FILTER SOCK** AROUND STOCKPILES. SOIL STOCKPILE AREAS TO SUPPORT THE ACCESS ROADS SHALL BE LOCATED WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING FOR THE SAME ACCESS ROAD THAT THE TOPSOIL WAS STRIPPED, OR WITHIN THE PIPELINE ROW. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK AREA IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
- INSTALL ROCK CONSTRUCTION ENTRANCE.
- INSTALL TIMBER MATTING OVER EXISTING PIPELINE CROSSING IN THE LOCATION SHOWN ON PLANS.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, THE SITE SHALL BE IMMEDIATELY SEED, MULCH, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES. FOR AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED BY A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. TEMPORARY STABILIZATION WILL NOT OCCUR ON ACTIVE VEHICULAR TRAVEL WAYS WITHIN THE RIGHT OF WAY. THE ON-SITE ENVIRONMENTAL INSPECTOR WILL LOG DAILY ACTIVITY WITHIN THE LIMITS OF DISTURBANCE AND NOTIFY THE CONTRACTOR OF AREAS REQUIRING TEMPORARY STABILIZATION (I.E., AREAS WHERE WORK HAS CEASED FOR AT LEAST FOUR DAYS).
- ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED PORTION OF THE ROAD AND DISPOSE OF THE MATERIALS AT A SUITABLE DISPOSAL OR RECYCLING SITES IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED PORTIONS OF THE ACCESS ROAD. **REPLACE STOCKPILED TOPSOIL** AND GRADE THE DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN **COMPOST FILTER SOCK** UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR AN INSPECTION PRIOR TO THE REMOVAL OF THE **COMPOST FILTER SOCK**. VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL COVER OVER THE ENTIRE DISTURBED AREA TO BE CONSIDERED STABILIZED. ROADWAYS AND PARKING AREAS SHOULD HAVE AT LEAST A CLEAN SUBBASE IN PLACE TO BE CONSIDERED STABILIZED. **IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE ABOVE CONDITIONS ARE MET OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.**
- UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, EITHER:
  - LEAVE THE COMPOST FILTER SOCK IN PLACE, CUT OPEN THE MESH, AND SPREAD THE MULCH AS A SOIL SUPPLEMENT; OR
  - REMOVE THE COMPOST FILTER SOCK, STABILIZE AREAS DISTURBED BY REMOVAL, AND PROPERLY DISPOSE/RECYCLE THE COMPOST FILTER SOCK.
- REMOVE ORANGE CONSTRUCTION FENCING AND SECURITY FENCE.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL **COMPOST FILTER SOCK** AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC					
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH					
ACCESS ROADS - SOIL EROSION CONTROL PLAN					
PROPOSED TEMPORARY ACCESS ROAD AR-SU-045					
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA					
DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE:
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/
W.O.:	W0161481			NUMBER:	1683_3-AR-SU-045
					SHEET 2
					OF 3



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:47pm  
 Drawing Location & Name: C:\0851\14c\14c4909.DWG(010)-GPL\VAR\_EC\_4c4909(10)-TSU-045.dwg

**SITE RESTORATION**

- RESTORATION OF THE ACCESS ROAD ROW WILL INCLUDE, BUT IS NOT LIMITED TO, RESTORATION OF EXISTING CONTOURS, RESTORATION OF EXISTING ROADS, DECOMPACTION, AND SEEDING.
- RESTORATION STEPS ARE DESCRIBED IN THE SEQUENCE OF CONSTRUCTION PROVIDED ON THE SOIL EROSION CONTROL PLAN AND IN THE ROAD-SPECIFIC APPENDIX OF THE COUNTY NARRATIVE.
- ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, THE GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS WILL BE REMOVED AND DISPOSED OF AT A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. STONE ADDED TO EXISTING GRAVEL ROADS WILL REMAIN IN PLACE.
- DISTURBED AREAS OUTSIDE EXISTING ROAD AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS. THE SUBSOIL WILL BE DE-COMPACTED AND TOPSOIL WILL BE SPREAD OVER THE DISTURBED AREA. DISTURBED AREAS WILL BE SEEDING AND STABILIZED WITH MULCH OR EROSION CONTROL BLANKETS AS APPLICABLE.
- EROSION CONTROL BLANKETS (ECB) SHALL BE INSTALLED IN THE FOLLOWING AREAS OF DISTURBANCE:
  - AREAS WITHIN 50 FEET OF A STREAM OR WETLAND (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - AREAS WITHIN 100 FEET OF HQ OR EV STREAMS AND WETLANDS (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - SLOPES EQUAL TO 3:1 OR GREATER (SC150 NORTH AMERICAN GREEN OR APPROVED EQUAL).
- E&S BMPs, SUCH AS COMPOST FILTER SOCK AND FILTER SOCK DIVERSIONS, SHALL REMAIN IN PLACE UNTIL THE SITE WORK IS COMPLETE AND FINAL STABILIZATION IS ACHIEVED. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED OVER NON-EXISTING ROADWAY DISTURBED AREAS. IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE AREA HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, THE AREA HAS A PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS, OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.
- RESTORATION WILL PREDOMINATELY OCCUR WITHIN THE AREA LABELED "AREA TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS." DISTURBED AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS (AS SHOWN ON THIS PLAN AND THE ROADWAY LAYOUT AND PROFILE PLAN), EXISTING ROADWAY SURFACES AND WIDTHS WILL BE RESTORED AND NON-EXISTING ROADWAY AREAS WILL BE SEEDING TO REESTABLISH VEGETATIVE COVER.
- THE "AREA OF MINIMUM DISTURBANCE/REDUCED GRADING" IS THE AREA WITHIN THE LOD AREA THAT IS OUTSIDE THE PROPOSED GRADING AREA. DISTURBANCES WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING WILL BE MINIMAL. THEREFORE, THE SITE RESTORATION IN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING MAY NOT REQUIRE RESTORATION OR MAY BE LIMITED TO SEEDING STOCKPILE AREAS, IF APPLICABLE, TO RESTORE VEGETATION THAT MAY HAVE BEEN IMPACTED BY THE STOCKPILE.



**ESCGP-2 PERMIT TABLE**

LIMIT OF DISTURBANCE	0.20 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.16 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPs	N/A**

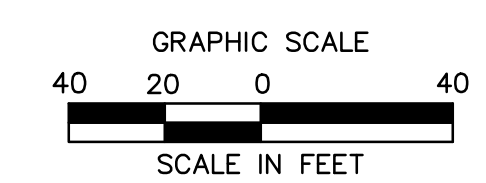
\*\* NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

**RECEIVING WATERS**

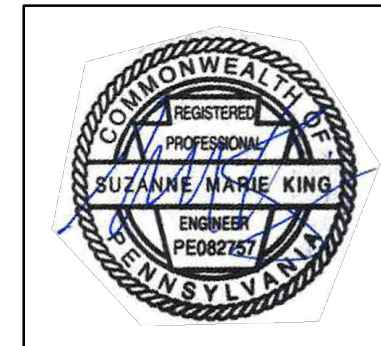
UTLEY BROOK, CWF, MF  
CHAPTER 303(D) IMPAIRMENT: NONE

**SITE SOIL TYPES**

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS



NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



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

REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

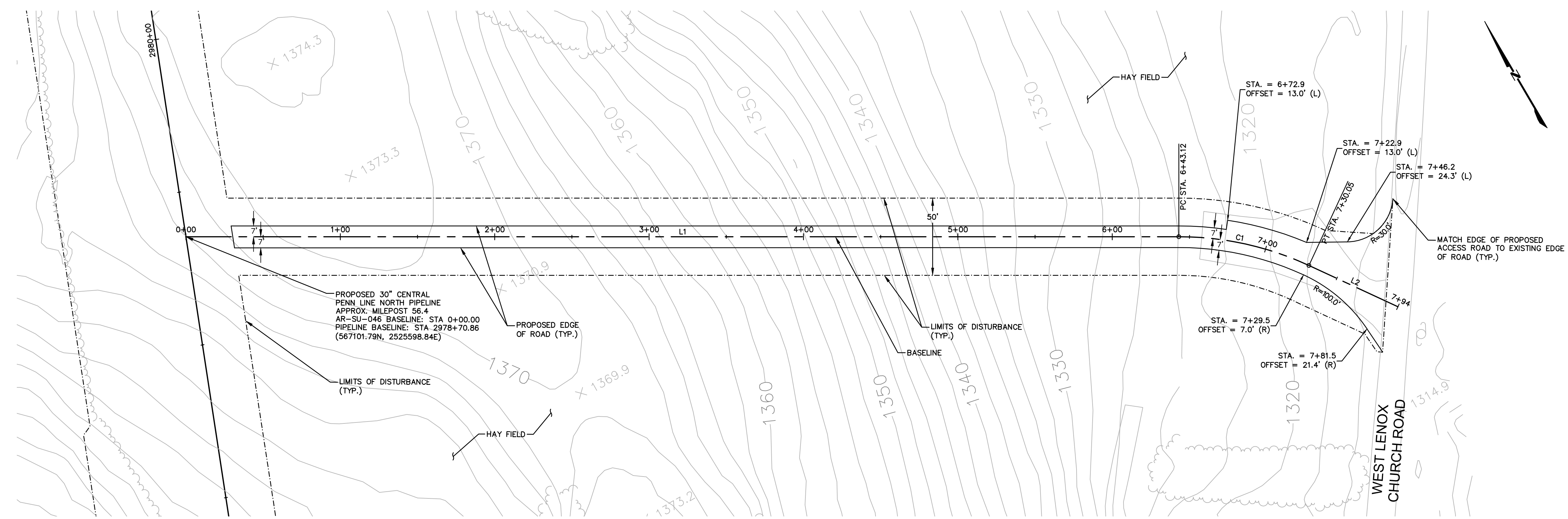
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT- PROPOSED 30' CENTRAL PENN LINE NDRTH

ACCESS ROADS - SITE RESTORATION PLAN  
PROPOSED TEMPORARY ACCESS ROAD AR-SU-045  
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

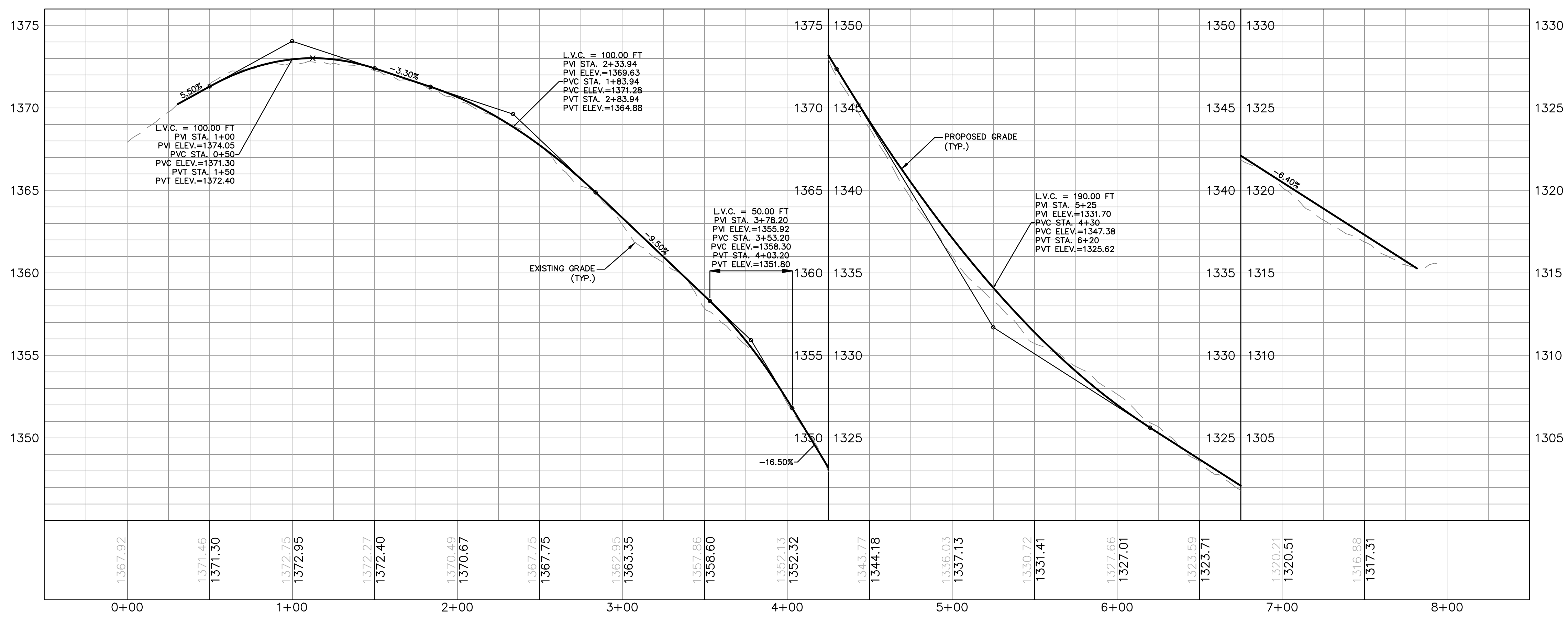
DRAWN BY: OLC DATE: 3/2015 ISSUED FOR BID: SCALE: 1"=40'  
CHECKED BY: DAK DATE: 06/09/15 ISSUED FOR CONSTRUCTION: REVISION: J  
APPROVED BY: SMK DATE: 07/07/15 DRAWING NUMBER: 24-1601-70-28-A/  
W: W0161481 NUMBER: 1683\_3-AR-SU-045 SHEET 3 OF 3

AR-SU-046 ALIGNMENT						
No.	Northing	Easting	Bearing	Delta(α)	Length	Tangent Radius
L1	B 567101.79 E 566783.59	B 2525598.84 E 2526157.72	S60°20'39.02"E		643.12'	
C1	PC 566783.59 PI 566761.73 PT 566725.75	PC 2526157.72 PI 2526196.10 PT 2526221.71		24°54'22"	86.94'	44.17' 200.0'
L2	B 566725.75 E 566673.96	B 2526221.71 E 2526258.56	S35°26'17.12"E		63.57'	

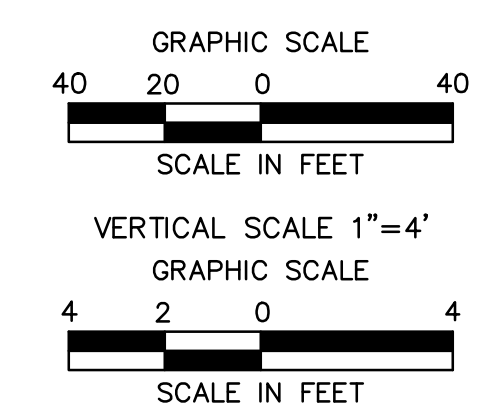
AR-SU-046 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
0+35	1+75	D
1+75	6+73	E



**ACCESS ROAD LAYOUT**

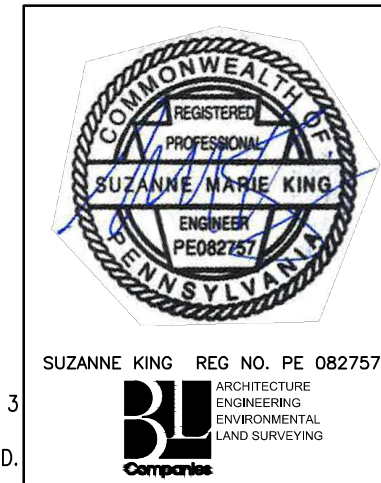


**ACCESS ROAD PROFILE**



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:50pm  
Drawing Location & Name: G:\DBS1\14C\14C4909\DWG\010-CPLAN\AR\_PP\_14C4909(10)-PSU-046.dwg

NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC						
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH						
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE						
PROPOSED PERMANENT ACCESS ROAD AR-SU-046						
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA						
DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE:	AS NOTED
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-046	SHEET 1 OF 3
W.O.:	W0161481					

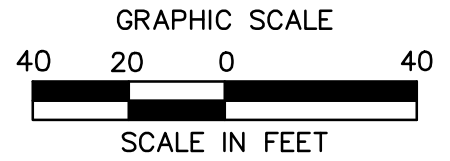
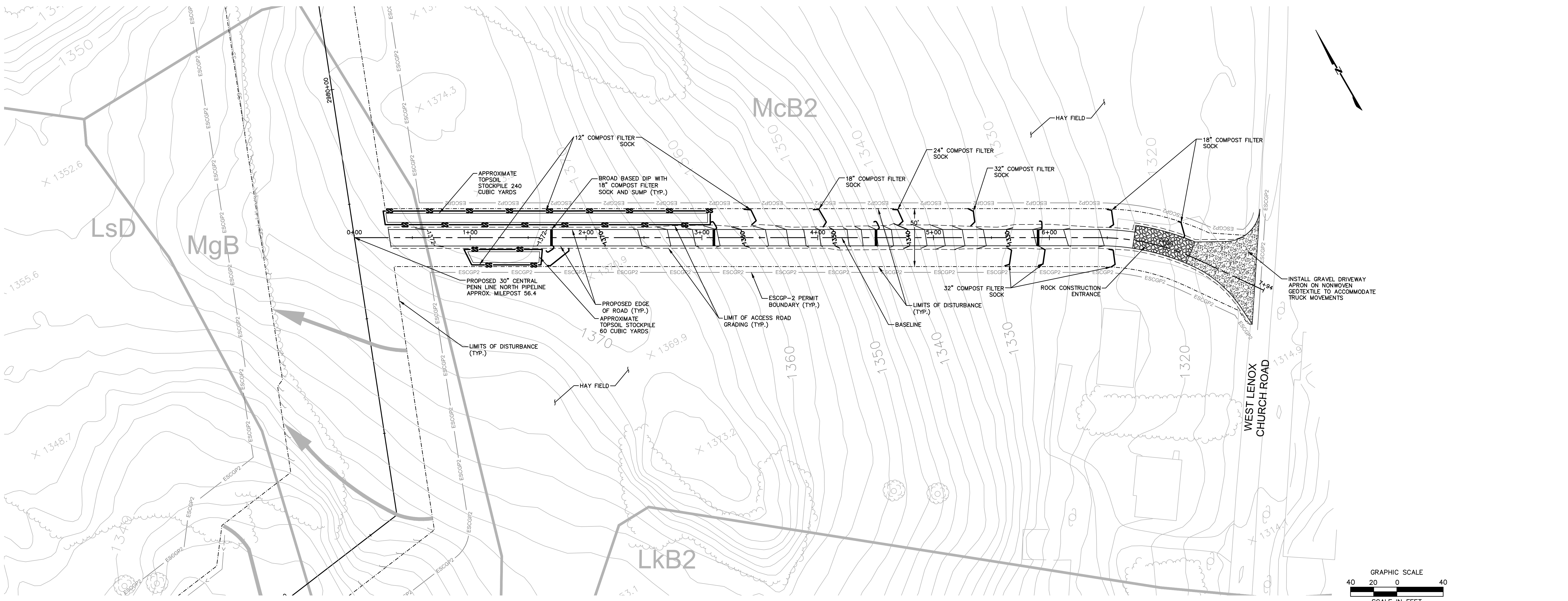


**ROAD SPECIFIC CONSTRUCTION SEQUENCE:**

- AT LEAST 7 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVI... CONTRACTORS, ENVIRONMENTAL INSPECTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- HOLD PRE-CONSTRUCTION CONFERENCE WITH THE ENVIRONMENTAL INSPECTORS, LOCAL COUNTY CONSERVATION DISTRICT (CCD), PADEP AND DESIGN ENGINEER.
- SURVEY CREWS LOCATE AND STAKE ALL SPECIAL AREAS OF CONCERN (E.G., WETLANDS, STREAMS, CULVERTS, OTHER UTILITIES, ETC.), EDGE OF PROPOSED ACCESS ROAD, AND FIELD LOCATE THE LIMIT OF DISTURBANCE.
- INSTALL ORANGE CONSTRUCTION FENCE AROUND AREAS TO BE PRESERVED.
- LOCATE STAGING AREAS AND ACCESS POINTS INCLUDING ROCK CONSTRUCTION ENTRANCE. INSTALL **COMPOST FILTER SOCK** DOWN SLOPE OF THESE AREAS.
- INSTALL ROCK CONSTRUCTION ENTRANCE WITH GRAVEL DRIVEWAY APRON.
- REMOVE BRUSH TO EFFECTIVELY INSTALL **COMPOST FILTER SOCK**. LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF **COMPOST FILTER SOCK** ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- INSTALL **COMPOST FILTER SOCK** AS DEPICTED ON THE E&S PLAN.
- APPLY STABILIZATION MEASURES IMMEDIATELY TO DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF **COMPOST FILTER SOCK**.
- THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF **COMPOST FILTER SOCK**.
- IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
- PROCEED WITH MAJOR CLEARING AND GRUBBING.
- BEGIN CONSTRUCTION STAKING FOR LAYOUT OF ACCESS ROAD.
- STRIP AND STOCKPILE TOPSOIL. INSTALL **COMPOST FILTER SOCK** AROUND STOCKPILES. SOIL STOCKPILE AREAS TO SUPPORT THE ACCESS ROADS SHALL BE LOCATED WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING FOR THE SAME ACCESS ROAD THAT THE TOPSOIL WAS STRIPPED, OR WITHIN THE PIPELINE ROW. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK AREA IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
- GRADE AND INSTALL THE ACCESS ROAD AND **BROAD BASED DIPS** AS SHOWN ON THE E&S PLANS.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, DISTURBED AREAS SHALL BE IMMEDIATELY SEEDED, MULCHED, OR OTHERWISE PROTECTED FROM ACCELERATED EROSION AND SEDIMENTATION PENDING FUTURE EARTH DISTURBANCE ACTIVITIES. FOR AN EARTH DISTURBANCE ACTIVITY OR STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED BY A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. TEMPORARY STABILIZATION WILL NOT OCCUR ON ACTIVE VEHICULAR TRAVEL WAYS WITHIN THE RIGHT OF WAY. THE ON-SITE ENVIRONMENTAL INSPECTOR WILL LOG DAILY ACTIVITY WITHIN THE LIMITS OF DISTURBANCE AND NOTIFY THE CONTRACTOR OF AREAS REQUIRING TEMPORARY STABILIZATION (I.E., AREAS WHERE WORK HAS CEASED FOR AT LEAST FOUR DAYS).
- ONCE THE TEMPORARY IMPROVEMENTS TO THE ACCESS ROAD ARE NO LONGER NECESSARY, REMOVE ALL GRAVEL, GEOTEXTILE FABRIC, AND **BROAD BASED DIPS** FROM THE TEMPORARILY IMPROVED PORTION OF THE ROAD AND DISPOSE OF THE MATERIALS AT A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTION OF THE ACCESS ROAD. **REPLACE STOCKPILED TOPSOIL** AND GRADE THE DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED, AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN **COMPOST FILTER SOCK** UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR AN INSPECTION PRIOR TO THE REMOVAL OF THE **COMPOST FILTER SOCK**. VEGETATED

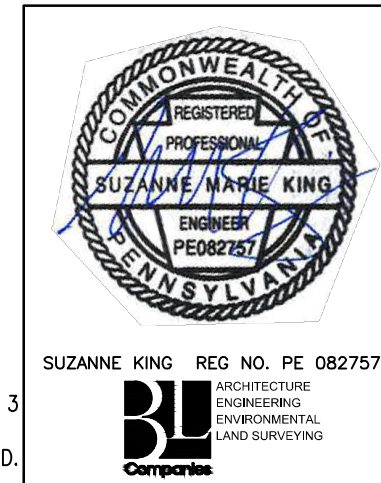
AREAS MUST ACHIEVE A MINIMUM UNIFORM 70% PERENNIAL COVER OVER THE ENTIRE DISTURBED AREA TO BE CONSIDERED STABILIZED. ROADWAYS AND PARKING AREAS SHOULD HAVE AT LEAST A CLEAN SUBBASE IN PLACE TO BE CONSIDERED STABILIZED. **IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE ABOVE CONDITIONS ARE MET OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.**

- UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, EITHER:
  - LEAVE THE **COMPOST FILTER SOCK** IN PLACE, CUT OPEN THE MESH, AND SPREAD THE MULCH AS A SOIL SUPPLEMENT; OR
  - REMOVE THE **COMPOST FILTER SOCK**, STABILIZE AREAS DISTURBED BY REMOVAL, AND PROPERLY DISPOSE/RECYCLE THE **COMPOST FILTER SOCK**.
- REMOVE ORANGE CONSTRUCTION FENCING AND SECURITY FENCE.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL THE **COMPOST FILTER SOCK** AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



Drawn By & Date/Time: ewhite Apr 26, 2017 - 2:52pm  
Drawing Location & Name: G:\08511\14c\14c4909\DWG\010-CPLM\AR\_EC\_4c4909(10)-PSU-046.dwg

NOTE:  
SEE TYPICAL SECTIONS AND NOTES SHEET 3 OF 3 (GENERAL OVERALL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND.



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH

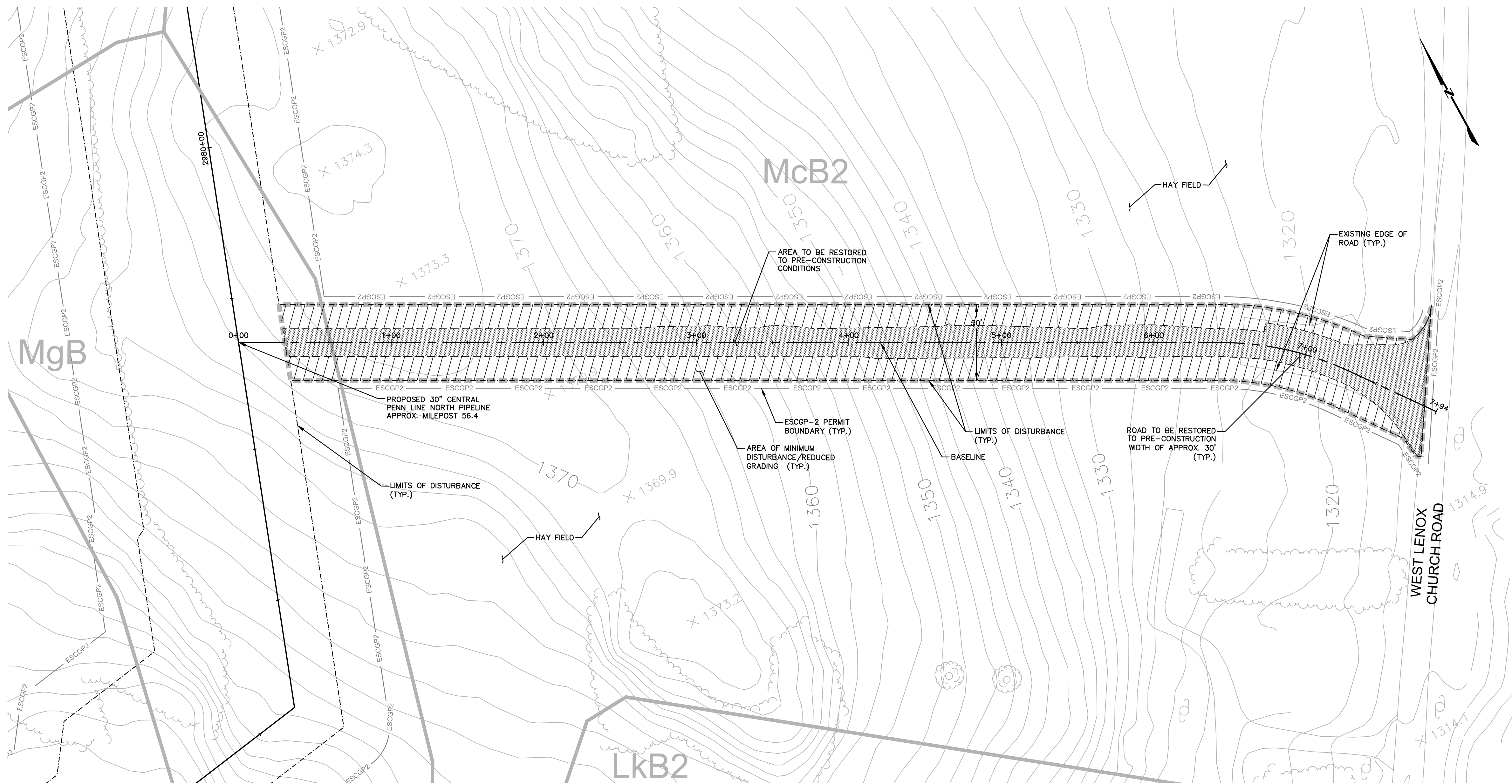
ACCESS ROADS - SOIL EROSION CONTROL PLAN  
PROPOSED PERMANENT ACCESS ROAD AR-SU-046  
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA

**Williams**

DRAWN BY:	OLC	DATE:	3/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/09/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-046	SHEET 2 OF 3
W.O.:	W01161481					

## SITE RESTORATION

- RESTORATION OF THE ACCESS ROAD ROW WILL INCLUDE, BUT IS NOT LIMITED TO, RESTORATION OF EXISTING CONTOURS, RESTORATION OF EXISTING ROADS, DECOMPACTION, AND SEEDING.
- RESTORATION STEPS ARE DESCRIBED IN THE SEQUENCE OF CONSTRUCTION PROVIDED ON THE SOIL EROSION CONTROL PLAN AND IN THE ROAD-SPECIFIC APPENDIX OF THE COUNTY NARRATIVE.
- ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, THE GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS WILL BE REMOVED AND DISPOSED OF AT A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. STONE ADDED TO EXISTING GRAVEL ROADS WILL REMAIN IN PLACE.
- DISTURBED AREAS OUTSIDE EXISTING ROAD AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS. THE SUBSOIL WILL BE DE-COMPACTED AND TOPSOIL WILL BE SPREAD OVER THE DISTURBED AREA. DISTURBED AREAS WILL BE SEEDED AND STABILIZED WITH MULCH OR EROSION CONTROL BLANKETS AS APPLICABLE.
- EROSION CONTROL BLANKETS (ECB) SHALL BE INSTALLED IN THE FOLLOWING AREAS OF DISTURBANCE:
  - AREAS WITHIN 50 FEET OF A STREAM OR WETLAND (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - AREAS WITHIN 100 FEET OF HQ OR EV STREAMS AND WETLANDS (DS75 NORTH AMERICAN GREEN OR APPROVED EQUAL).
  - SLOPES EQUAL TO 3:1 OR GREATER (SC150 NORTH AMERICAN GREEN OR APPROVED EQUAL).
- E&S BMPs, SUCH AS COMPOST FILTER SOCK AND FILTER SOCK DIVERSIONS, SHALL REMAIN IN PLACE UNTIL THE SITE WORK IS COMPLETE AND FINAL STABILIZATION IS ACHIEVED. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN A UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED OVER NON-EXISTING ROADWAY DISTURBED AREAS. IN AGRICULTURAL USE AREAS, AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION IF THE AREA HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER, THE AREA HAS A PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS, OR IF AN AREA EXHIBITS ANY GROUND COVER CONDITIONS NORMALLY ASSOCIATED WITH ACTIVE AGRICULTURAL PRACTICES, INCLUDING BUT NOT LIMITED TO BARE EARTH ON CULTIVATED LAND, TEMPORARY VEGETATIVE COVER ON CULTIVATED LAND, OR PASTURE NOT MEETING A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER.
- RESTORATION WILL PREDOMINATELY OCCUR WITHIN THE AREA LABELED "AREA TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS." DISTURBED AREAS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS (AS SHOWN ON THIS PLAN AND THE ROADWAY LAYOUT AND PROFILE PLAN), EXISTING ROADWAY SURFACES AND WIDTHS WILL BE RESTORED AND NON-EXISTING ROADWAY AREAS WILL BE SEEDED TO REESTABLISH VEGETATIVE COVER.
- THE "AREA OF MINIMUM DISTURBANCE/REDUCED GRADING" IS THE AREA WITHIN THE LOD AREA THAT IS OUTSIDE THE PROPOSED GRADING AREA. DISTURBANCES WITHIN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING WILL BE MINIMAL. THEREFORE, THE SITE RESTORATION IN THE AREA OF MINIMUM DISTURBANCE/REDUCED GRADING MAY NOT REQUIRE RESTORATION OR MAY BE LIMITED TO SEEDING STOCKPILE AREAS, IF APPLICABLE, TO RESTORE VEGETATION THAT MAY HAVE BEEN IMPACTED BY THE STOCKPILE.



### ESCGP-2 PERMIT TABLE

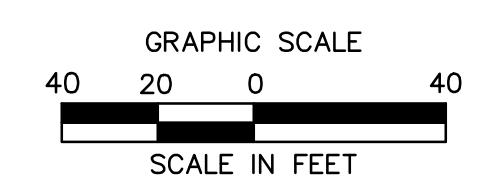
LIMIT OF DISTURBANCE	0.88 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.51 AC.
STORMWATER MANAGEMENT AREA	N/A
AREA CONTROLLED BY PERMANENT BMPs	N/A

### SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

### RECEIVING WATERS

TOWER BRANCH, CWF, WF  
CHAPTER 303(D) IMPAIRMENT: NONE



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

REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK
3	APRIL 2017	BL	MODIFICATION #1 ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH			
ACCESS ROADS - SITE RESTORATION PLAN			
PROPOSED PERMANENT ACCESS ROAD AR-SU-046			
LENOX TOWNSHIP, SUSQUEHANNA COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	3/2015
CHECKED BY:	DAK	DATE:	06/09/15
APPROVED BY:	SMK	DATE:	07/07/15
W.D.:	W01161481	ISSUED FOR CONSTRUCTION:	
SCALE:	1"=40'	REVISION:	J
DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-SU-046	SHEET	3
		OF	3

