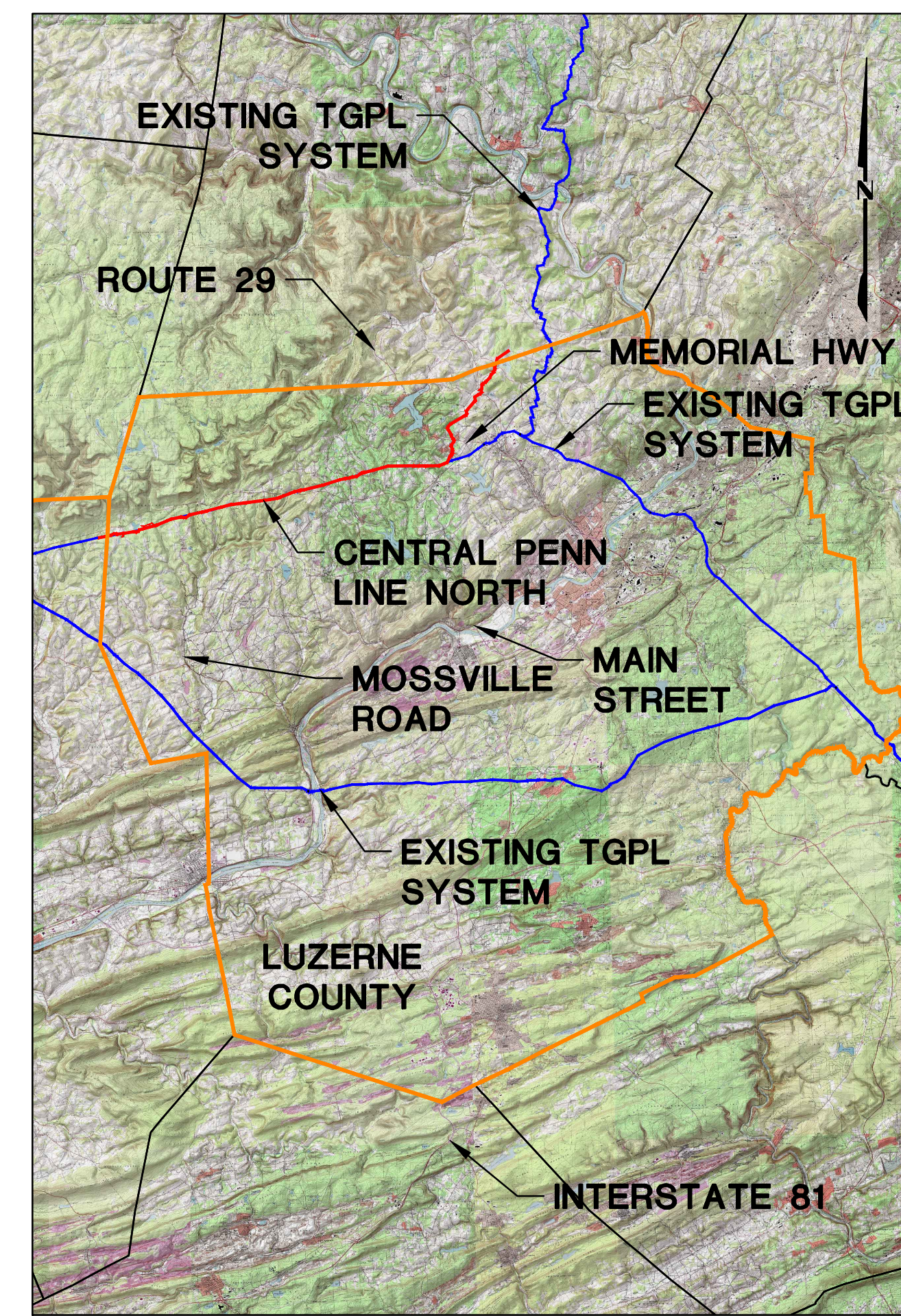


TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC EROSION & SEDIMENT CONTROL AND LAYOUT PLANS FOR ACCESS ROADS ATLANTIC SUNRISE PROJECT PROPOSED 30" CENTRAL PENN LINE NORTH

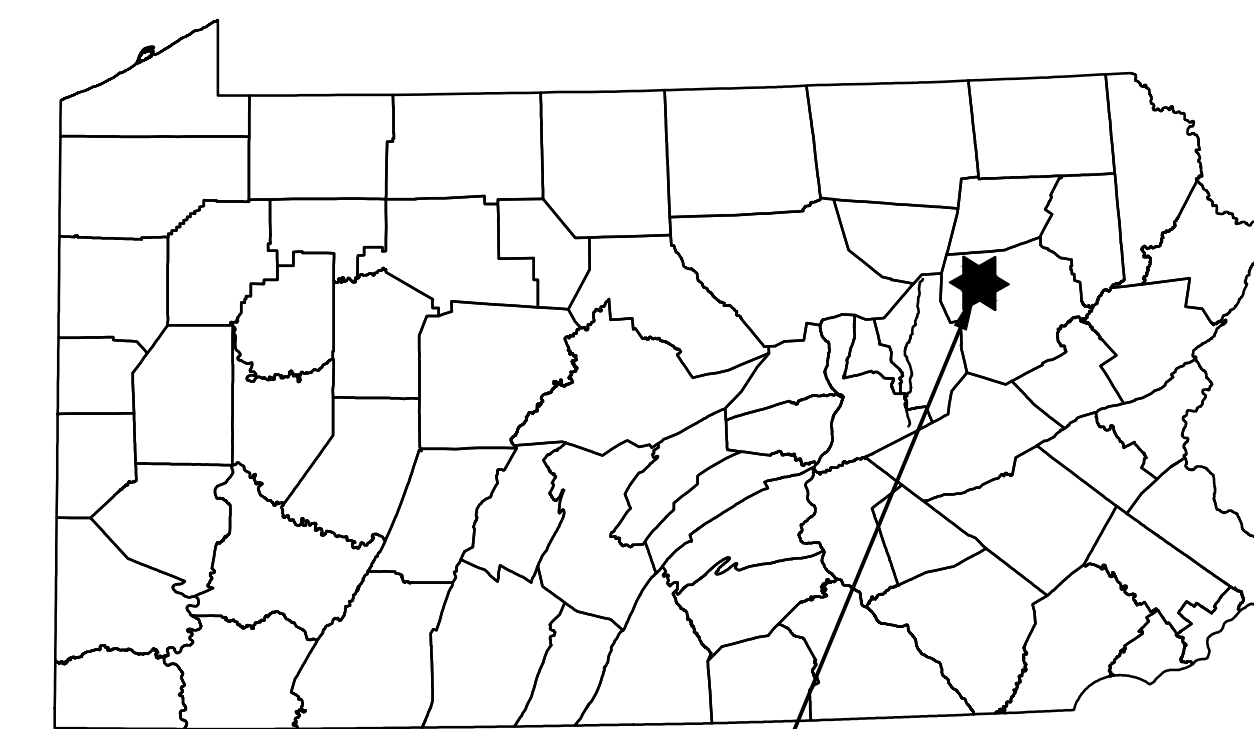
FAIRMOUNT, ROSS, LAKE, LEHMAN, & DALLAS TOWNSHIPS
LUZERNE COUNTY, PENNSYLVANIA



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

VICINITY MAP

SCALE: 1"=30,000'



PROJECT
LOCATION

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

ABBREVIATIONS			
ABACT	ANTIDegradation BEST AVAILABLE	LOD	LIMIT OF DISTURBANCE
APPROX.	APPROXIMATE	MF	MIGRATORY FISHES
AR	ACCESS ROAD	N/A	NOT APPLICABLE
AC	ACRE/ACRES	PADEP	PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BMP	BEST MANAGEMENT PRACTICES	PR	PROPOSED
CWF	COLDWATER FISHES	R	RIGHT
D	DEPTH	RCP	REINFORCED CONCRETE PIPE
D.I.P.	DUCTILE IRON PIPE	STA	STATION
ESGCP-2	EROSION AND SEDIMENT CONTROL	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

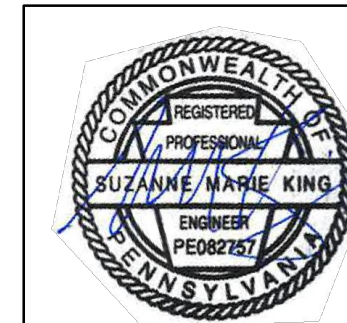
MAP UNIT NAME	MAP UNIT DESIGNATION	CUTBANKS CAVE	CORROSIVE TO CONCRETE/STEEL	DROUGHTY	EASILY ERODIBLE	FLOODING	DEPTH TO SATURATED ZONE/ SEASONAL HIGH WATER TABLE	HYDRIC/HYDRIC INCLUSIONS	LOW STRENGTH / LANDSLIDE PRONE	SLOW PERCOLATION	PIPING	POOR SOURCE OF TOPSOIL	FROST ACTION	SHRINK - SWELL	POTENTIAL SINKHOLE	PONDING	WETNESS
Ag	ALLUVIAL LAND	X	C/S		X	X	X	X	X	X	X	X	X	X	X	X	X
At	ATHERTON LOAM, PONDED	X	S					X	X	X	X	X	X	X			X
BrB	BRACEVILLE GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X		X	X	X	X	X	X	X	X			X
ChA	CHENANGO GRAVELLY LOAM, 0 TO 3 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
ChB	CHENANGO GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
ChC	CHENANGO GRAVELLY LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
Ho	HOLLY SILT LOAM	X	C/S		X	X	X	X	X	X	X	X	X	X			X
LaB	LACKAWANNA CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
LaC	LACKAWANNA CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
LcB	LACKAWANNA VERY STONY LOAM, 0 TO 12 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
LcD	LACKAWANNA VERY STONY LOAM, 12 TO 35 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
MoB	MORRIS CHANNERY SILT LOAM, 0 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
MoC	MORRIS CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
MsB	MORRIS VERY STONY SILT LOAM, 0 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
OiC	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 8 TO 15 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
OiD	OQUAGA AND LORDSTOWN CHANNERY SILT LOAMS, 15 TO 25 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
OpD	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS, 8 TO 25 PERCENT SLOPES	X	C	X	X	X	X	X	X	X	X	X	X	X			X
OxF	OQUAGA AND LORDSTOWN EXTREMELY STONY SILT LOAMS STEEP	X	C	X	X	X	X	X	X	X	X	X	X	X			X
RdA	REXFORD LOAM, 0 TO 3 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
WIB	WELLSBORO CHANNERY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
WIC	WELLSBORO CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
WmB	WELLSBORO VERY STONY SILT LOAM, 3 TO 8 PERCENT SLOPES	X	C/S	X	X	X	X	X	X	X	X	X	X	X			X
WyD	WYOMING GRAVELLY LOAM, 15 TO 25 PERCENT SLOPES	X	C	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



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

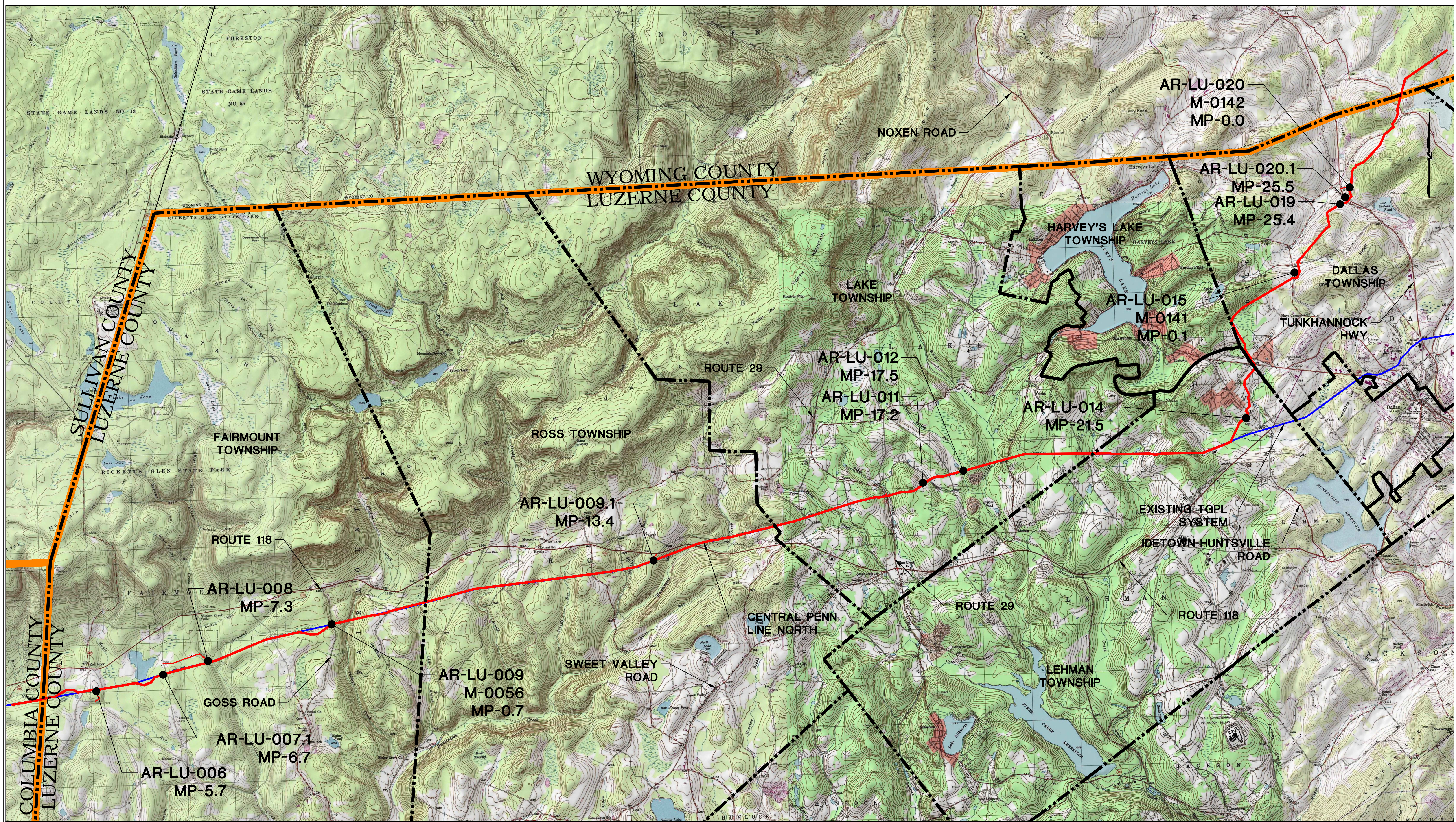


SUZANNE KING REG. NO. PE 08275
Professional Engineer
Environmental Land Surveying

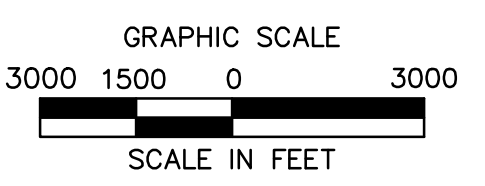
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O. NO.:	W0161481	ISSUED FOR CONSTRUCTION:	REVISION: J
DRAWING NUMBER:		SHEET 1	
24-1601-70-28-A/1683_3-AR-LU		OF 4	





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

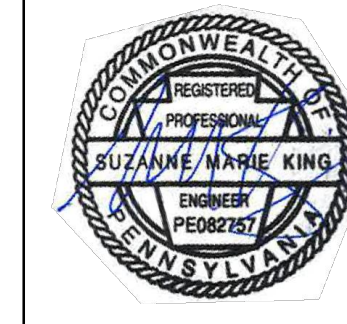


LEGEND

- TOWNSHIP LINE
- COUNTY LINE
- PROPOSED 30" CENTRAL PENN LINE NORTH
- 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
 BU
 ENGINEERING
 ENVIRONMENTAL
 LAND SURVEYING

REVISIONS				W.O. NO.	CHK.	APP.
NO.	DATE	BY	DESCRIPTION			
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

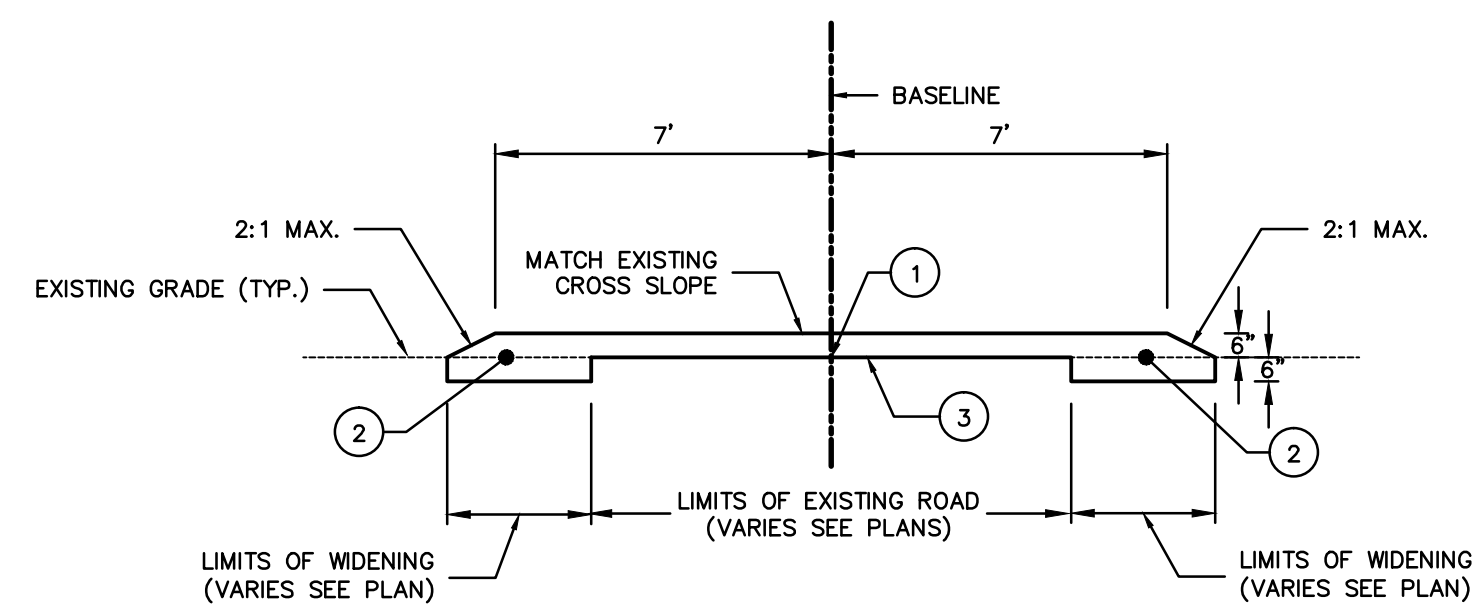
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC					
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH					
ACCESS ROADS LUZERNE COUNTY, PENNSYLVANIA					
LOCATION MAP & ACCESS ROAD INDEX					
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	J
W.O.:	W01161481	24-1601-70-28-A/1683_3-AR-LU		SHEET 2	OF 4



TYPICAL SECTION LEGEND

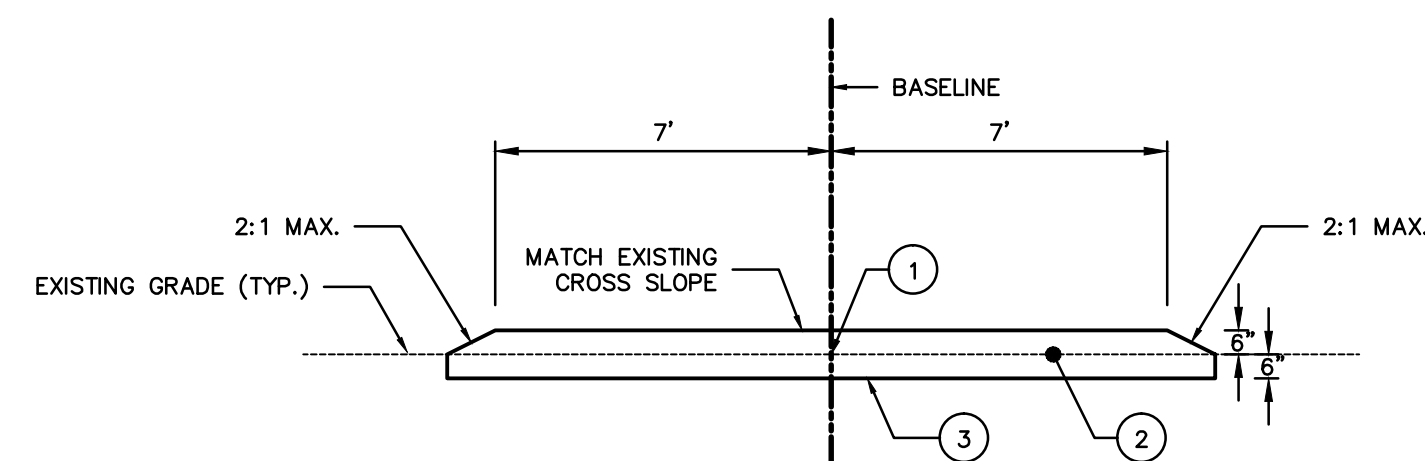
- ① POINT OF APPLICATION OF GRADE OR MATCH EXISTING GROUND
- ② 12" LAYER CRUSHER RUN GRAVEL
- ③ NONWOVEN GEOTEXTILE (MIRAFI 140N OR EQUAL)
- ④ LIMIT OF EXCAVATION OR LIMIT OF COMPACTION
- ⑤ EROSION CONTROL BLANKET ON SLOPES 3:1 OR GREATER
- ⑥ 6" TOPSOIL AND SEED
- ⑦ VEGETATED CHANNEL

NOTE:
SEE SHEET 4 OF 4 FOR GENERAL ACCESS ROAD NOTES.

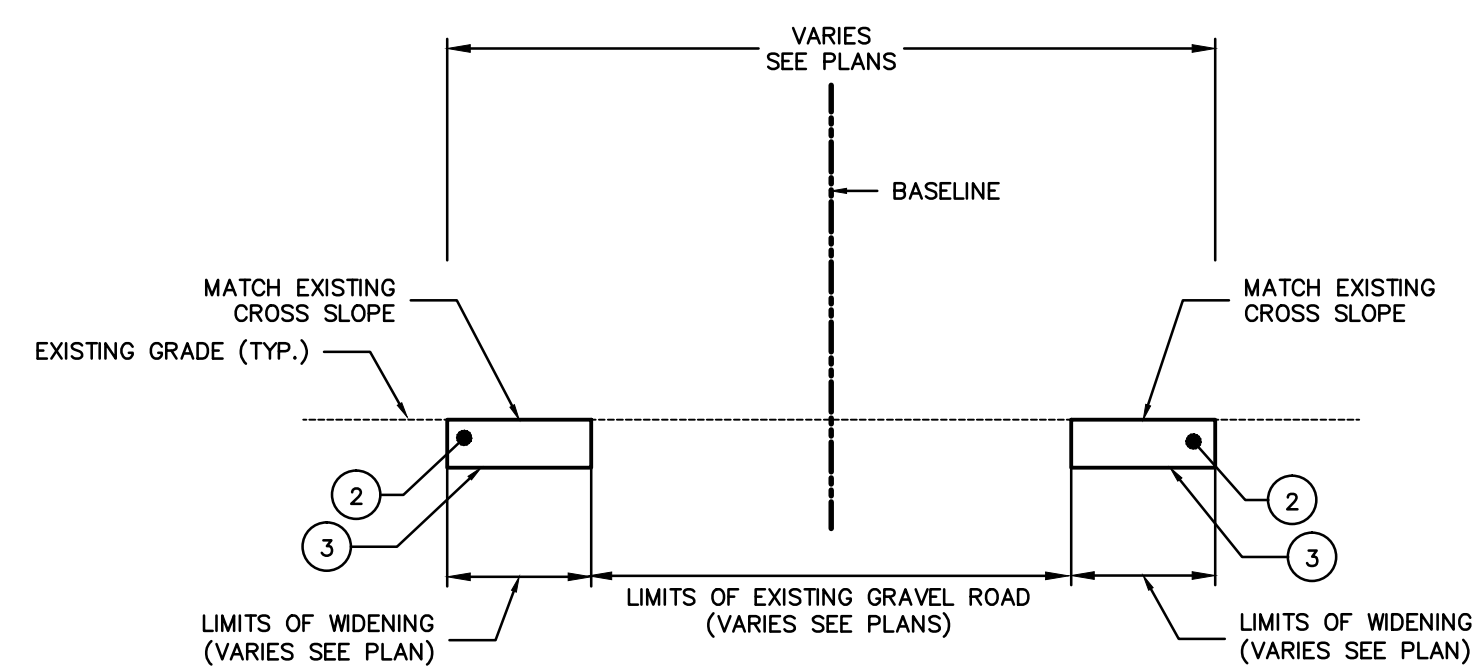


TYPICAL SECTION A

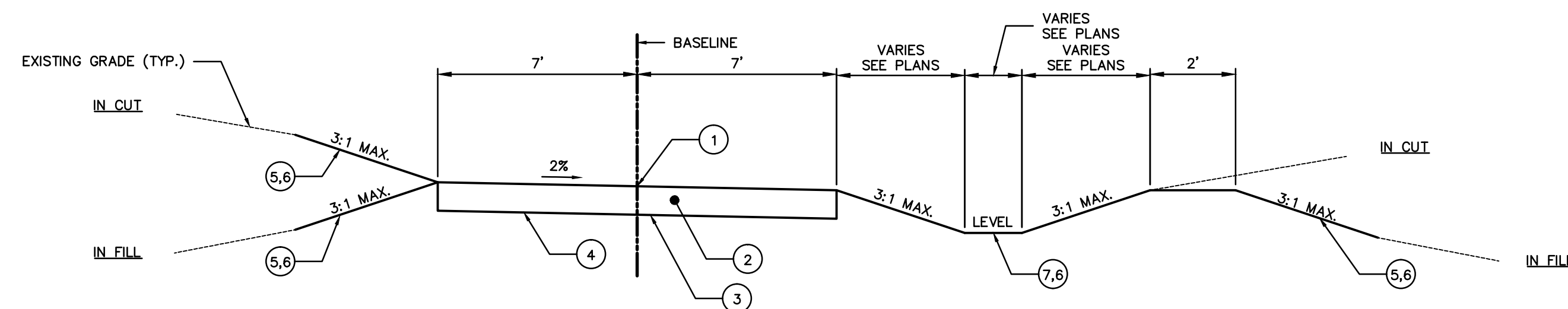
NOTE: THICKNESS OF CRUSHER RUN GRAVEL OVER EXISTING ROAD IS ONLY 6"



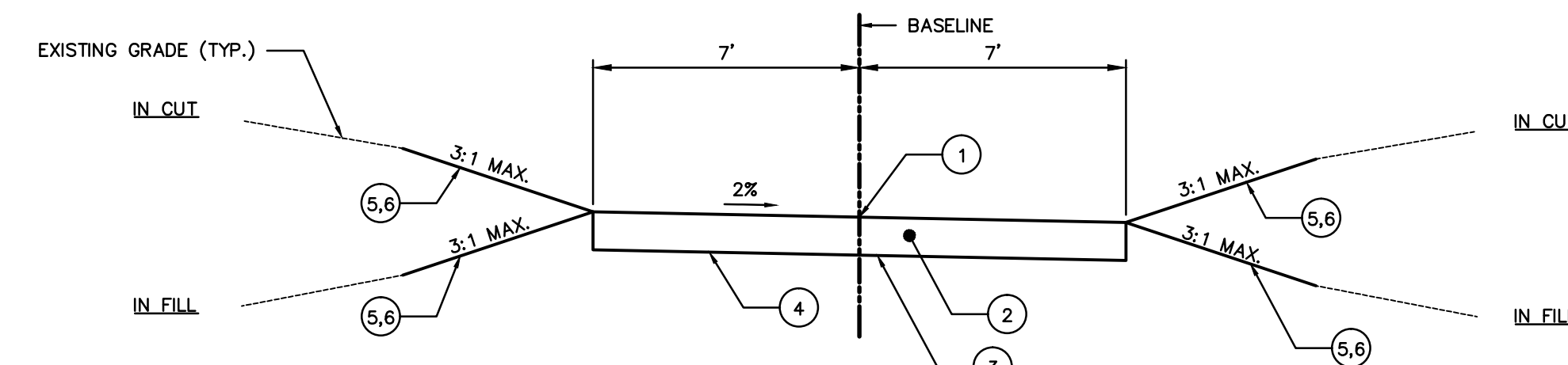
TYPICAL SECTION B



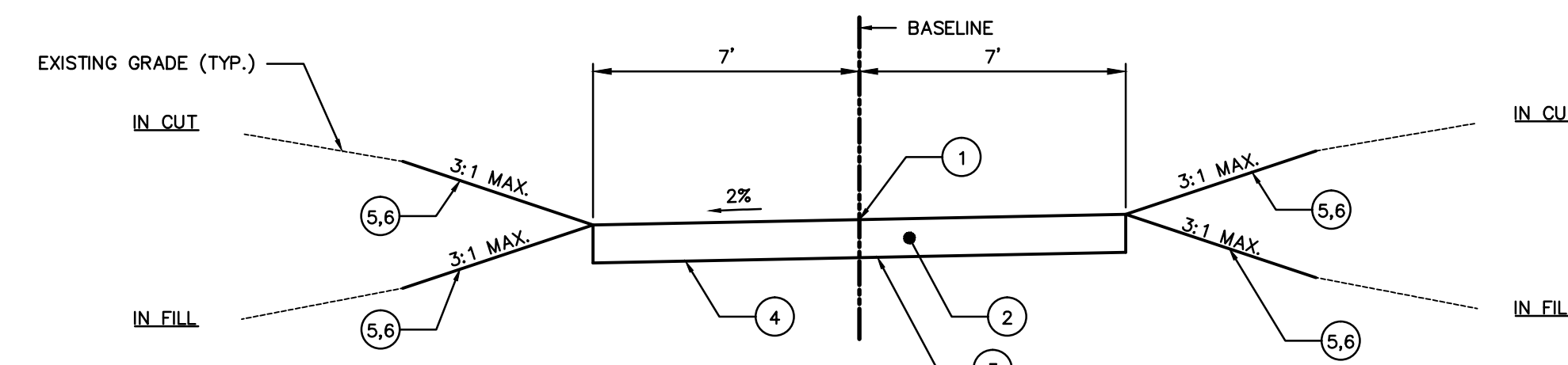
TYPICAL SECTION C



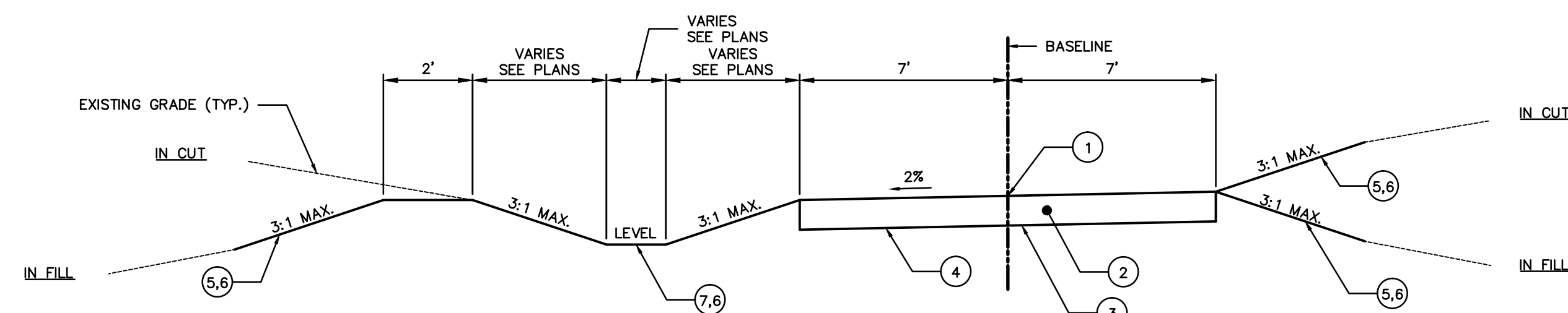
TYPICAL SECTION G



TYPICAL SECTION D



TYPICAL SECTION E



TYPICAL SECTION F

TYPICAL FEATURES LEGEND

EXISTING FEATURES

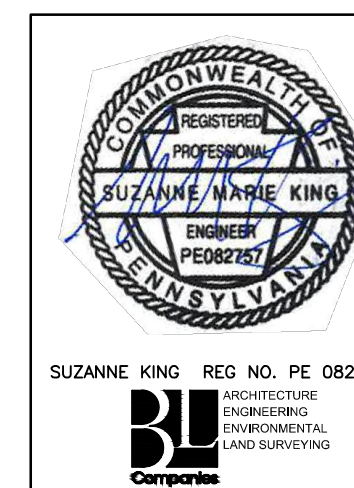
- EXISTING TREE LINE
- EXISTING UTILITY EASEMENT
- EXISTING EDGE OF ROAD
- EXISTING OVERHEAD UTILITY
- EXISTING FENCE
- EXISTING STREAM CENTERLINE
- EXISTING UNDERGROUND UTILITY
- EXISTING FOREIGN UTILITY
- EXISTING STORM DRAINAGE PIPE
- EXISTING WATER PIPE
- EXISTING COMMUNICATIONS LINE
- EXISTING TOP OF BANK/CHANGE IN SLOPE
- SOIL BOUNDARY
- SOIL TYPE DESIGNATION
- PROPERTY BOUNDARY LINE (APPROXIMATE)
- EXISTING CONTOUR (2' INTERVAL)
- PROPOSED CONTOUR (2' INTERVAL)
- CENTERLINE OF DELINEATED STREAM
- EDGE WATERBODY
- LIMIT OF FLOODWAY/FLOODPLAIN
- LIMIT OF RIPARIAN BUFFER
- DELINEATED WETLANDS
- DELINEATED WATERWAY (TOP OF BANK)
- SPOT ELEVATION
- TREE OR BUSH
- EXISTING CULVERT

PROPOSED FEATURES

- PROPOSED TREE LINE
- ESOGP-2 PERMIT BOUNDARY
- LIMITS OF DISTURBANCE (LOD)
- ACCESS ROAD LIMITS OF DISTURBANCE (LOD) AREA
- LOD 5' BUFFER
- LIMIT OF ACCESS ROAD GRADING
- COMPOST FILTER SOCK
- WATERBAR
- FILTER SOCK DIVERSION
- BROAD-BASED DIP/WATER DEFLECTOR
- CHECK DAM
- MAINLINE VALVE (MLV) AND PERIMETER FENCE
- ROCK CONSTRUCTION ENTRANCE OR ROCK MATTING
- DRIVEWAY APRON
- EQUIPMENT MATS
- RIP RAP
- RESTORATION AREA
- AREA OF MINIMUM DISTURBANCE/ REDUCED GRADING
- RIPARIAN BUFFER AREA WITHIN ACCESS ROAD LOD
- GRADE TO DRAIN
- EDGE OF ROAD
- MAJOR CONTOUR
- MINOR CONTOUR
- CULVERT
- PIPELINE WATERBARS
- PIPELINE EXCAVATED DIVERSION SWALE
- PIPELINE FILTER SOCK DIVERSION
- PIPELINE SEDIMENT BARRIER
- PIPELINE FLUME CROSSING

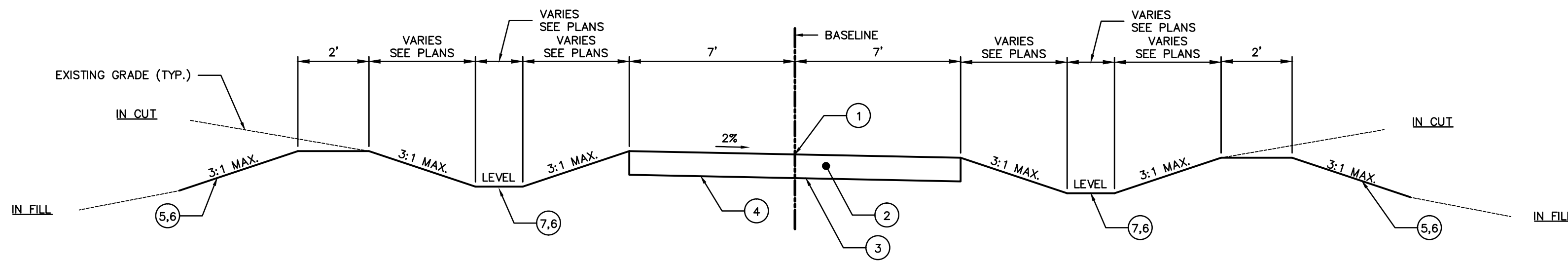
NOTE: PIPELINE E&S SHOWN (SHADED) ON SOIL EROSION CONTROL PLANS FOR COORDINATION PURPOSES ONLY.

Drawn By & Date/Time: Norwooduser Nov 12, 2016 - 6:16pm
Drawing Location & Name: C:\DBS1\14\14c4909\DWG\010-CPLAN\AR_TY14c4909(10)_LU.dwg

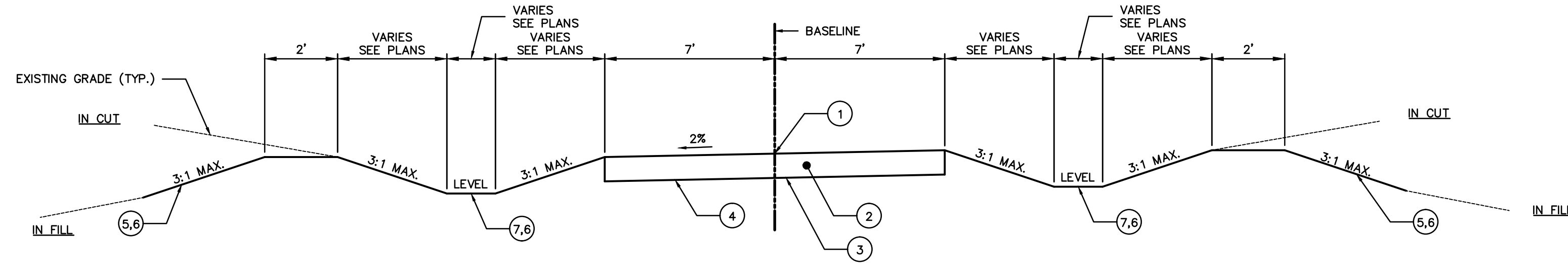


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

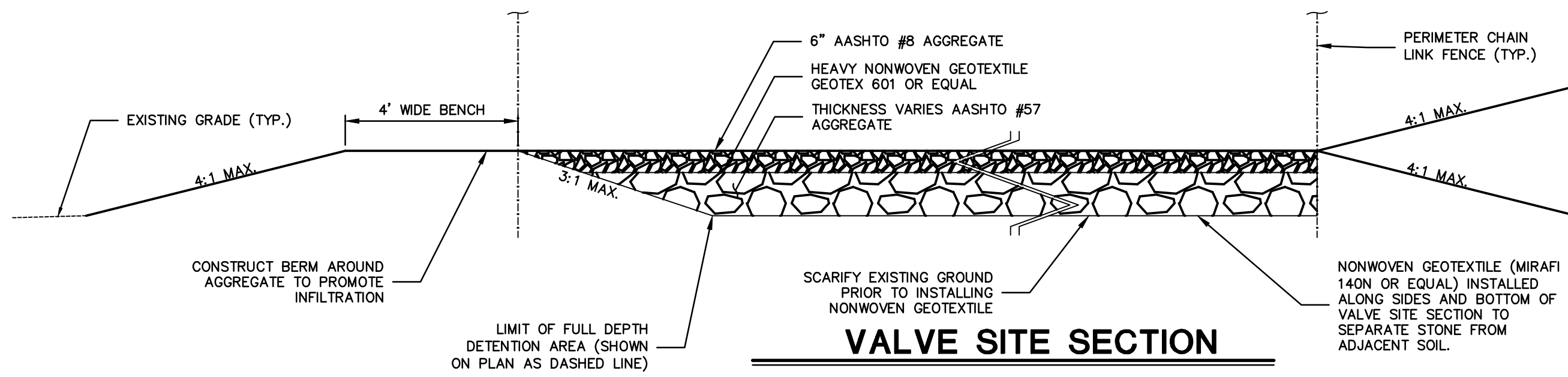
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH			
ACCESS ROADS LUZERNE COUNTY, PENNSYLVANIA			
Williams GAS PIPELINE			
TYPICAL SECTIONS			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O. NO.:	W01161481	ISSUED FOR CONSTRUCTION:	SCALE:
24-1601-70-28-A/1683_3-AR-LU			REVISION: J
SHEET 3			OF 4



TYPICAL SECTION H



TYPICAL SECTION I



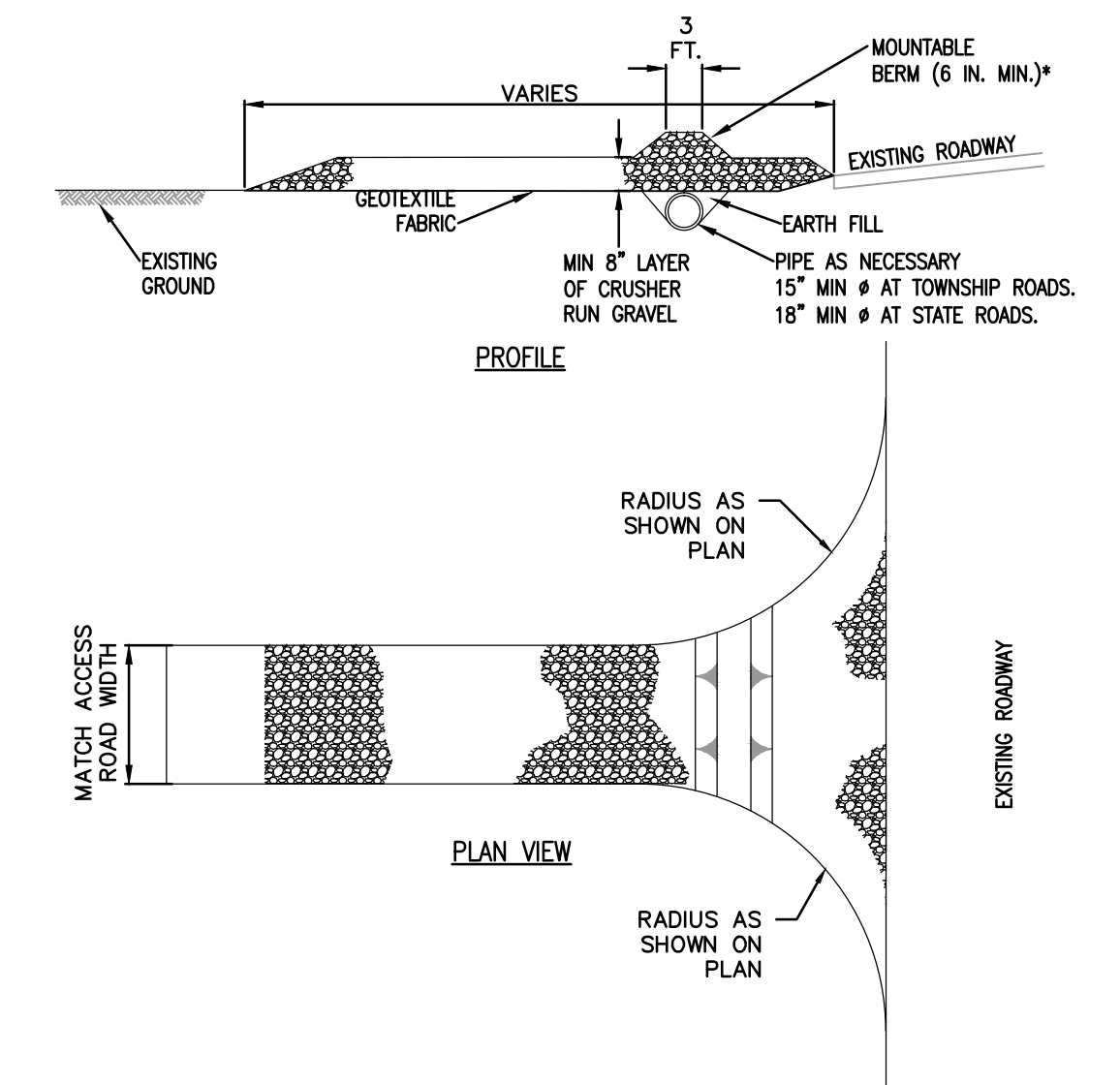
VALVE SITE SECTION

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 SC150 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 CRUSHER RUN GRAVEL 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.**



- * MOUNTABLE BERM USED TO PROVIDE PROPER COVER FOR PIPE
- NOTES:
1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF DRIVEWAY APRON.
 2. DRIVEWAY APRON IS INTENDED TO WIDEN THE ACCESS ROAD ENTRANCE. IN CASES WHERE THE DRIVEWAY ENTRANCE IS SEPARATE FROM THE ROCK CONSTRUCTION ENTRANCE, THE DRIVEWAY APRON SHALL BE MAINTAINED SIMILAR TO THE TYPICAL ACCESS ROAD SECTIONS.
 3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED AT TOWNSHIP OR STATE ROAD.

NO.	DATE	BY	REVISION DESCRIPTION	NO.	CHK.	APP.

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
STANDARD ENVIRONMENTAL DETAIL
DWY DRIVEWAY APRON

DIMENSION TABLE FOR RIPRAP APRONS

Access Road	Outlet No.	Pipe DIA PD (in)	RIPRAP			APRON	
			Size (R-)	Thick Rt (in)	LENGTH Ai (FT)	INITIAL WIDTH Aiw (FT)	TERMINAL WIDTH Atw (FT)
AR-LU-007.1	VCI	12	R-3	9	6	3	9
AR-LU-007.1	VCD	12	R-3	9	6	3	9
AR-LU-020	FSD-1	12	R-3	9	6	3	9

FACILITY ROAD SUMMARY TABLE

Facility Road?	Access Road ID	Milepost	Use (Permanent or Temporary)	Notes
FACILITY	AR-CO-108	125.0	Temporary	CS-CSA-CO-4-09
NO	AR-LU-006	5.7	Temporary	
NO	AR-LU-007.1	6.7	Permanent	MLV-CN-MLV-02
NO	AR-LU-008	7.3	Temporary	
NO	AR-LU-009	M-0056	Temporary	
NO	AR-LU-009.1	MP 0.7	Temporary	
NO	AR-LU-011	13.4	Permanent	
NO	AR-LU-012	17.2	Temporary	
NO	AR-LU-012	17.5	Temporary	
FACILITY	AR-LU-013.1	21.2	Permanent	MLV (North Diamond)-CN-MLV-03
NO	AR-LU-014	21.5	Temporary	
NO	AR-LU-015	M-0141	Temporary	
NO	AR-LU-015	MP 0.1	Temporary	
NO	AR-LU-019	25.4	Temporary	
NO	AR-LU-020.1	25.5	Temporary	
NO	AR-LU-020	M-0142	Temporary	
NO	AR-LU-020	MP 0.0	Temporary	

* 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.

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Drawing Location & Name: C:\DBS14\14c\14c4909.DWG\010-CPIN\VAR_TYP14c4909(10)_Ludwig

SUZANNE KING REG. NO. PE 082757

REVISIONS

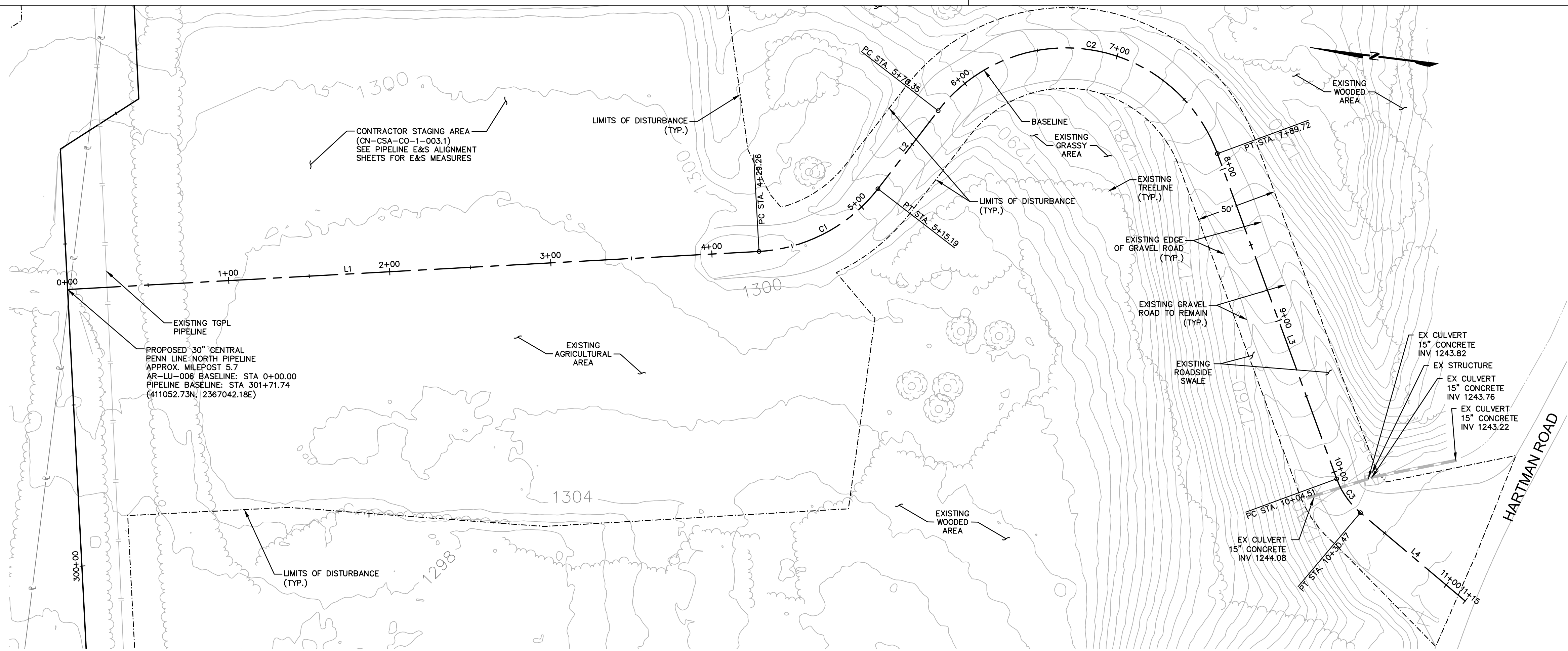
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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

ACCESS ROADS
LUZERNE COUNTY, PENNSYLVANIA

TYPICAL SECTIONS AND NOTES

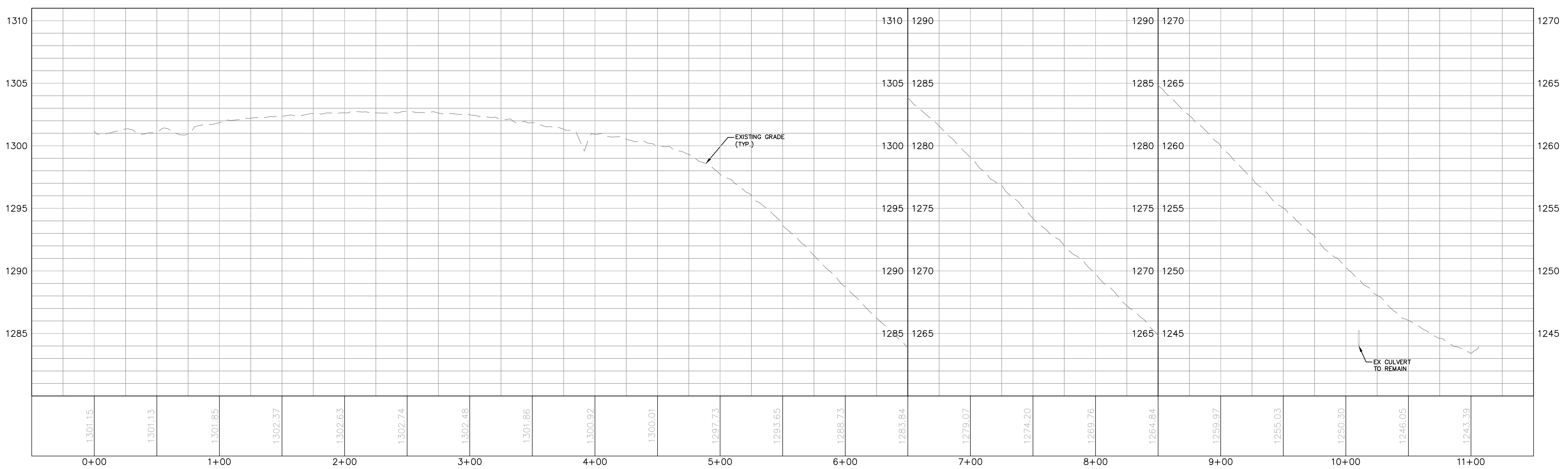
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CHECKED BY: DAK	DATE: 06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER:	SHEET 4
NO: W01161481		24-1601-70-28-A/1683_3-AR-LU	OF 4



AR-LU-006						
No.	Northing	Eastng	Bearing	Delta(Δ)	Length	Tangent Radius
L1	B 411052.73 E 410630.36	B 2367042.18 E 2367118.82	S10°17'05.82"E		429.26'	
C1	PC 410630.36 PI 410585.28 PT 410562.04	PC 2367118.82 PI 2367127.01 PT 2367166.49		49°13'58"	85.93'	45.82' 100.0'
L2	B 410562.04 E 410531.02	B 2367166.49 E 2367219.20	S59°31'03.93"E		61.16'	
C2	PC 410531.02 PI 410439.03 PT 410355.95	PC 2367219.20 PI 2367375.48 PT 2367214.28		122°15'06"	213.37'	181.34' 100.0'
L3	B 410355.95 E 410257.55	B 2367214.28 E 2367023.35	S62°44'02.05"W		214.79'	
C3	PC 410257.55 PI 410251.46 PT 410240.33	PC 2367023.35 PI 2367011.55 PT 2367004.32		29°44'39"	25.96'	13.28' 50.0'
L4	B 410240.33 E 410169.09	B 2367004.32 E 2366958.08	S32°59'23.09"W		84.93'	

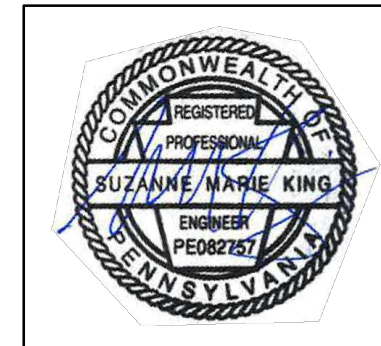
NOTE:
 EXISTING ROAD IS TO BE USED DURING CONSTRUCTION; THEREFORE, NO PROPOSED ROADWAY SECTION IS PROVIDED. MAINTAIN EXISTING ASPHALT ACCESS ROAD AND ADD AASHTO #57 STONE TO ROADWAY SURFACE AS NECESSARY IN AREAS SHOWING SIGNS OF EROSION (I.E. THINNING OF GRAVEL, GRAVEL WASHOUT, DEPRESSIONS, ETC.) IN ORDER TO RE-ESTABLISH STABLE ROADWAY SURFACE.

ACCESS ROAD LAYOUT



HORIZONTAL SCALE 1"=40'
 GRAPHIC SCALE
 40 20 0 40
 SCALE IN FEET
 VERTICAL SCALE 1"=4'
 GRAPHIC SCALE
 4 2 0 4
 SCALE IN FEET

ACCESS ROAD PROFILE



SUZANNE KING REG. NO. PE 08275
 ARCHITECTURE
 ENGINEERING
 ENVIRONMENTAL
 LAND SURVEYING

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

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-LU-006
 FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY: OLC DATE: 4/2015 ISSUED FOR BID: SCALE: AS NOTED
 CHECKED BY: DAK DATE: 06/11/15 ISSUED FOR CONSTRUCTION: REVISION: J
 APPROVED BY: SMK DATE: 07/07/15 DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-LU-006 SHEET 1 OF 3
 W.O. NO: W01161481

Drawn By & Date/Time: Norwooduser Nov 13, 2016 - 4:41pm
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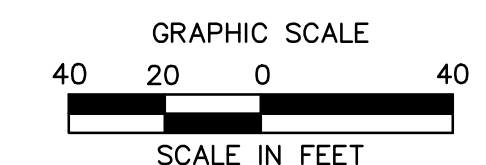
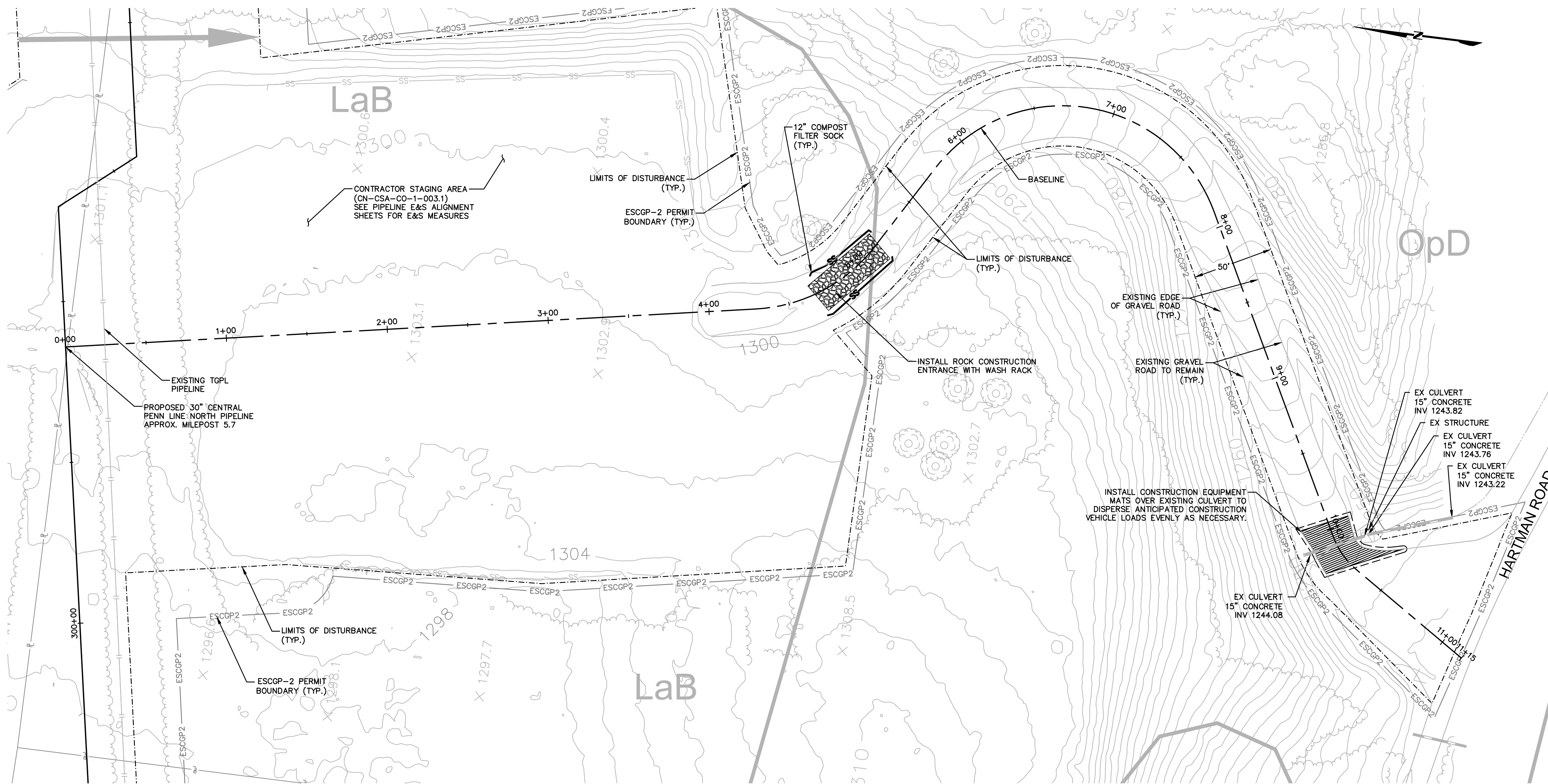
NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND

NOTE:

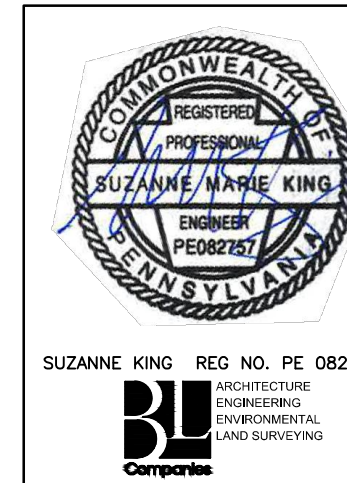
INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.

ROAD SPECIFIC CONSTRUCTION SEQUENCE:

1. AT LEAST 7 DAYS PRIOR TO STARTING ANY 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.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY 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, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
7. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK.
8. INSTALL CONSTRUCTION MATS OVER EXISTING CULVERT AS SHOWN ON PLANS.
9. REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER CONTROLS, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
10. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
11. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
12. PROCEED WITH MAJOR CLEARING AND GRUBBING.
13. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF LIMITS OF ACCESS ROAD.
14. 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.
15. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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).
16. ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS. 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. E&S BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
17. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE ACCESS ROAD TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
18. 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 E&S BMPs. 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.
19. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCE.
20. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
21. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

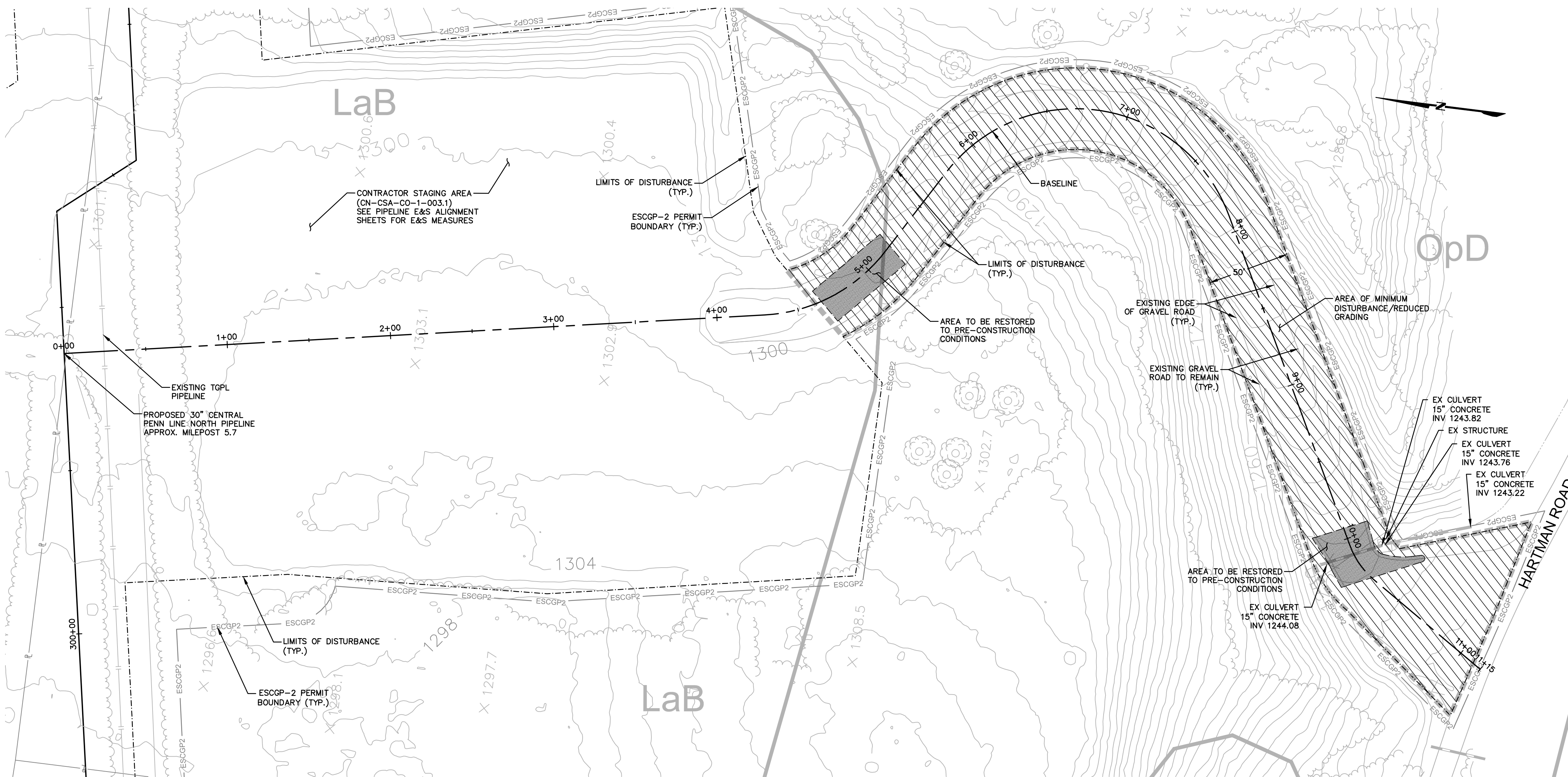


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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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-LU-006			
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O. NUMBER:	W01161481	ISSUED FOR CONSTRUCTION:	24-1601-70-28-A/ 1683_3-AR-LU-006
SCALE:	1"=40'	REVISION:	J
			SHEET 2 OF 3



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ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	0.81 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.78 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPS	N/A**

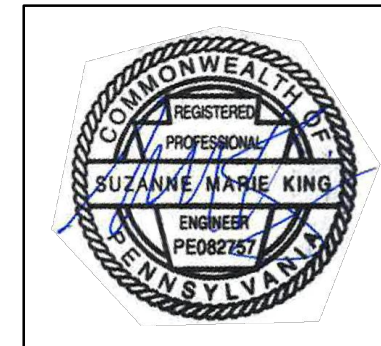
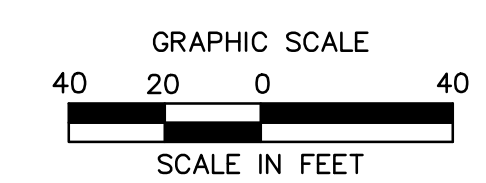
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

RECEIVING WATERS

MAPLE RUN, HO-CWF, MF
CHAPTER 303(D) IMPAIRMENT: NONE



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

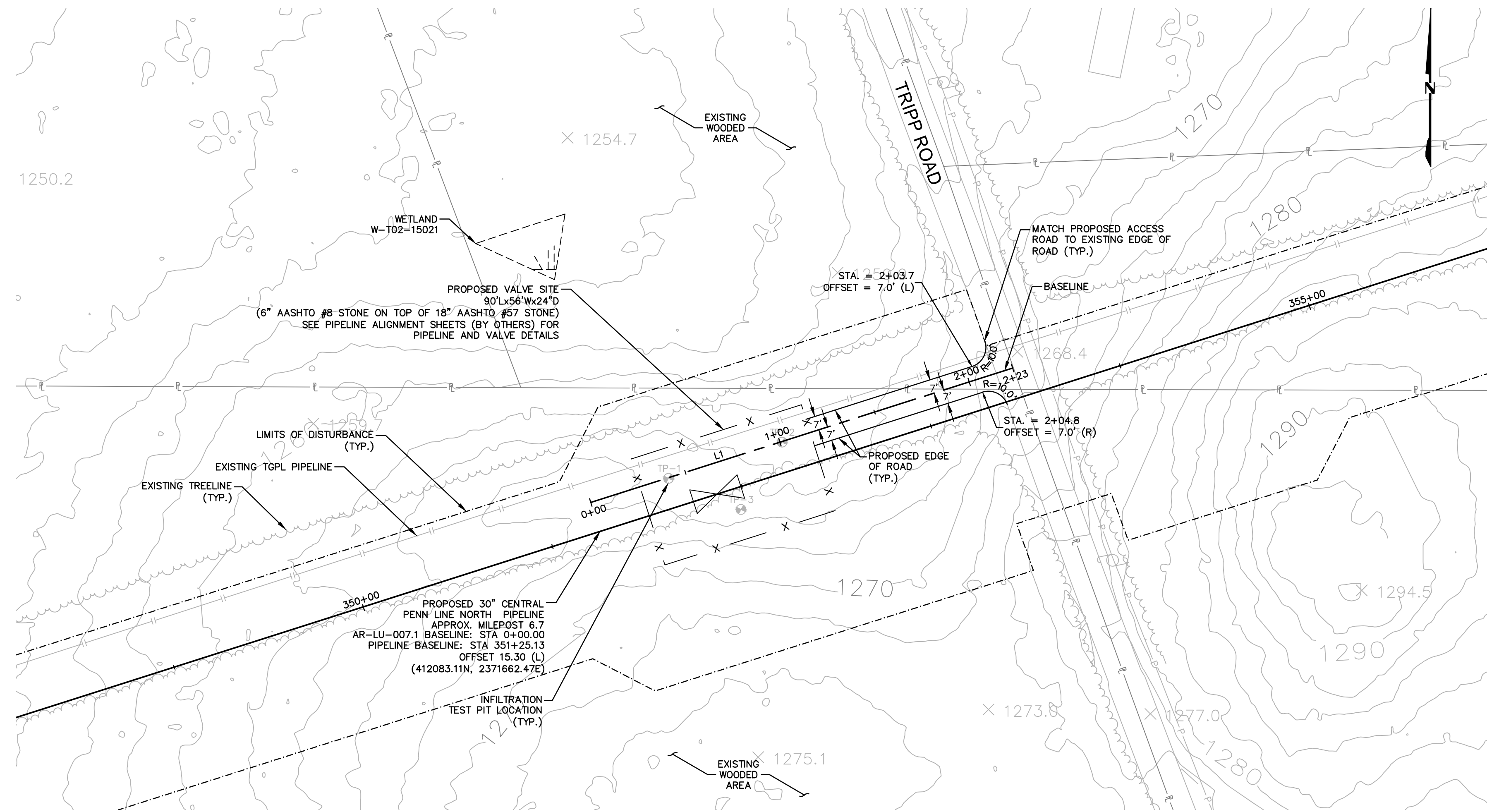
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2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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

ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-006
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-006	SHEET 3 OF 3
W.O.:	W01161481					

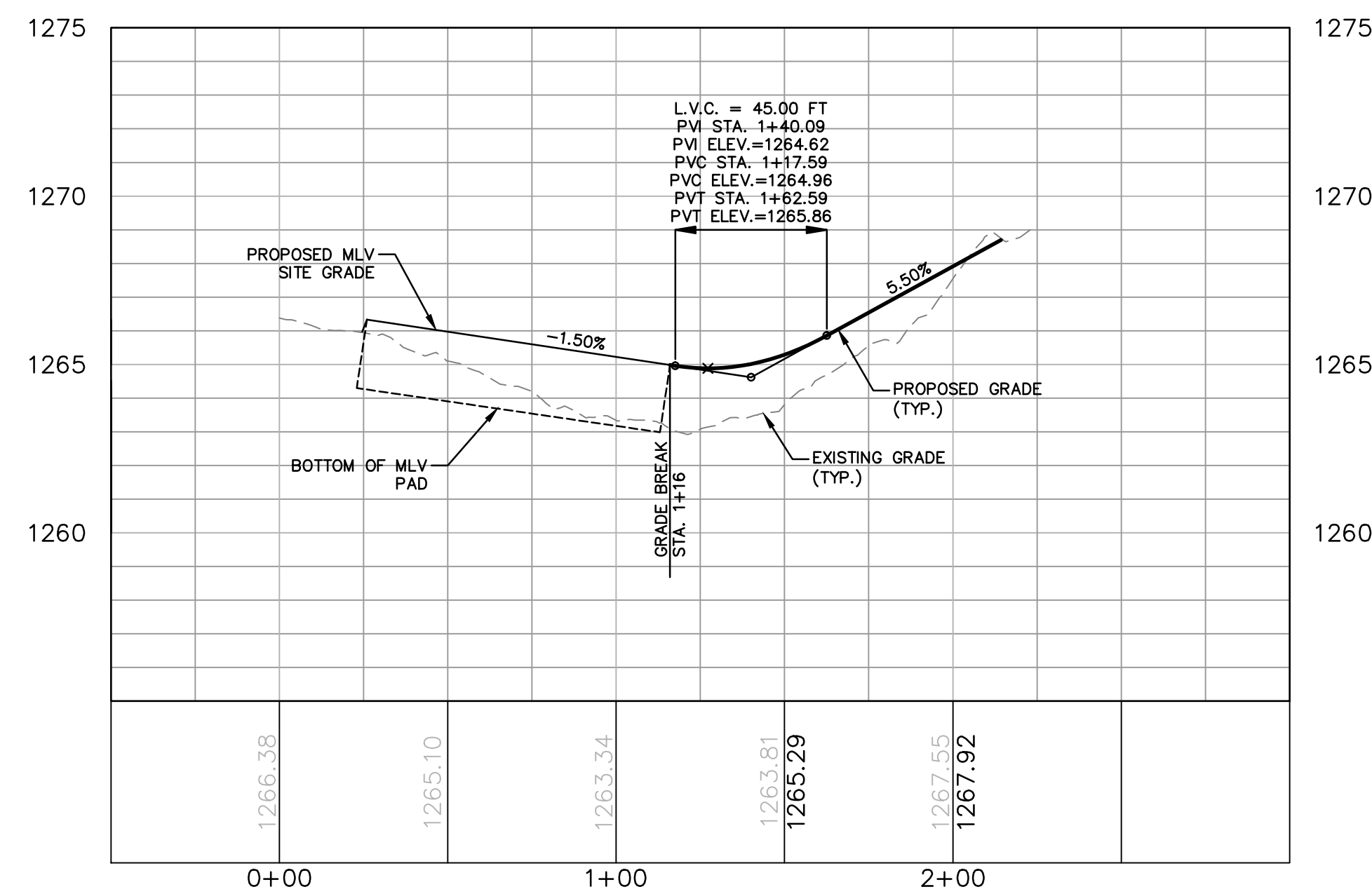
NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
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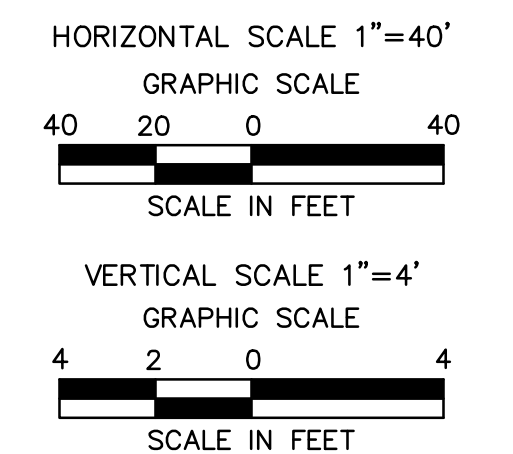
ACCESS ROAD LAYOUT

AR-LU-007.1							
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 412083.11 E 412150.80	B 2371862.47 E 2371874.93	N72°19'43.42"E		222.98'		

AR-LU-007.1 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
1+16	2+14	F



ACCESS ROAD PROFILE



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

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

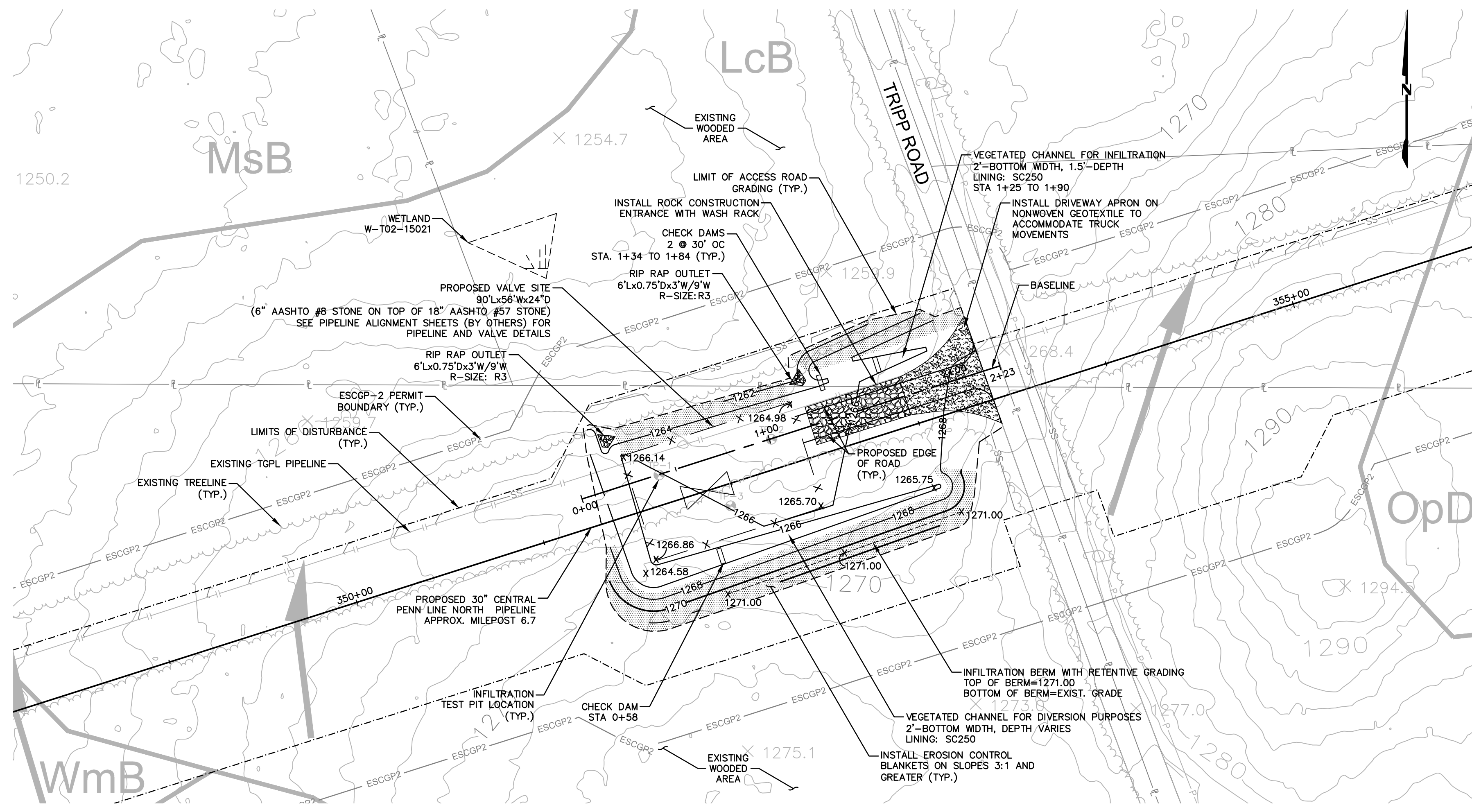
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC					
ATLANTIC SUNRISE PROJECT- PROPOSED 30" CENTRAL PENN LINE NORTH					
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE PROPOSED PERMANENT ACCESS ROAD AR-LU-007.1 FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA					
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-007.1
W.O.:	W01161481				SHEET 1 OF 2



NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

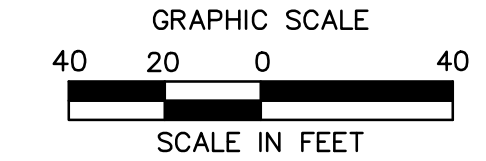
ROAD SPECIFIC CONSTRUCTION SEQUENCE:

1. AT LEAST 7 DAYS PRIOR TO STARTING ANY 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.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY 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 (I.E., WETLANDS, STREAMS, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
7. PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
8. INSTALL ROCK CONSTRUCTION ENTRANCE WITH WASH RACK AND GRAVEL DRIVEWAY APRON.
9. REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER E&S B.MPS.
10. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
11. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
12. PROCEED WITH MAJOR CLEARING AND GRUBBING.
13. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF ACCESS ROAD.
14. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS.
15. INSTALL VEGETATED CHANNELS FOR INFILTRATION WITH CHECK DAMS AND INFILTRATION BERM WHERE SPECIFIED ON THE E&S & PCSM PLANS (SECTION 2 OF THE ESCGP-2 NO.). NOTE: THIS IS A CRITICAL STAGE OF PCSM PLAN TO BE OBSERVED BY A LICENSED PROFESSIONAL OR DESIGNEE. BEGIN VEGETATED CHANNEL CONSTRUCTION ONLY WHEN THE UPGRADIENT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE. VEGETATED CHANNELS SHOULD BE CONSTRUCTED AND STABILIZED EARLY IN THE CONSTRUCTION SCHEDULE, PREFERABLY BEFORE MASS EARTHWORK AND PAVING INCREASE THE RATE AND VOLUME OF RUNOFF. (EROSION AND SEDIMENT CONTROL METHODS SHALL ADHERE TO THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL, MARCH 2000 OR LATEST EDITION.)
16. ROUGH GRADE THE VEGETATED CHANNEL. EQUIPMENT SHALL AVOID EXCESSIVE COMPACTION AND/OR LAND DISTURBANCE. EXCAVATION EQUIPMENT SHOULD OPERATE FROM THE SIDE OF THE CHANNEL AND NEVER ON THE BOTTOM. IF EXCAVATION LEADS TO SUBSTANTIAL COMPACTION OF THE SUBGRADE (WHERE AN INFILTRATION TRENCH IS NOT PROPOSED), 18 INCHES SHALL BE REMOVED AND REPLACED WITH A BLEND OF TOPSOIL AND SAND TO PROMOTE INFILTRATION AND BIOLOGICAL GROWTH. AT THE VERY LEAST, TOPSOIL SHALL BE THOROUGHLY DEEP PLOWED INTO THE SUBGRADE IN ORDER TO PENETRATE THE COMPACTED ZONE AND PROMOTE AERATION AND THE FORMATION OF MACROPORES. FOLLOWING THIS, THE AREA SHOULD BE DISKED PRIOR TO FINAL GRADING OF TOPSOIL.
17. CONSTRUCT CHECK DAMS, IF REQUIRED.
18. FINE GRADE THE VEGETATED CHANNEL. ACCURATE GRADING IS CRUCIAL FOR CHANNELS. EVEN THE SMALLEST NONCONFORMITIES MAY COMPROMISE FLOW CONDITIONS.
19. SEED, VEGETATE AND INSTALL PROTECTIVE LINING AS PER APPROVED PLANS AND ACCORDING TO FINAL PLANTING LIST. VEGETATION SHOULD BE ESTABLISHED AS SOON AS POSSIBLE TO PREVENT EROSION AND SCOUR. SEED MIX AND SEASON OF PLANTING ARE PROVIDED UNDER SEPARATE COVER IN THE BEST MANAGEMENT PRACTICES AND QUANTITIES PLAN SET.
20. ONCE ALL TRIBUTARY AREAS ARE SUFFICIENTLY STABILIZED, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL. IT IS VERY IMPORTANT THAT THE CHANNEL BE STABILIZED BEFORE RECEIVING UPLAND STORMWATER FLOW. NOTE: IF A VEGETATED CHANNEL IS USED FOR RUNOFF CONVEYANCE DURING CONSTRUCTION, IT SHOULD BE REGRADED AND RESEEDED IMMEDIATELY AFTER CONSTRUCTION AND STABILIZATION HAS OCCURRED. ANY DAMAGED AREAS SHOULD BE FULLY RESTORED TO ENSURE FUTURE FUNCTIONALITY OF THE CHANNEL.
21. ROUGH GRADE THE MLV PAD. EQUIPMENT SHALL AVOID EXCESSIVE COMPACTION AND/OR LAND DISTURBANCE. IF EXCAVATION LEADS TO SUBSTANTIAL COMPACTION OF THE SUBGRADE (WHERE AN INFILTRATION TRENCH IS NOT PROPOSED), 18 INCHES SHALL BE REMOVED AND REPLACED WITH A BLEND OF TOPSOIL AND SAND TO PROMOTE INFILTRATION AND BIOLOGICAL GROWTH. AT THE VERY LEAST, TOPSOIL SHALL BE THOROUGHLY DEEP PLOWED INTO THE SUBGRADE IN ORDER TO PENETRATE THE COMPACTED ZONE AND PROMOTE AERATION AND THE FORMATION OF MACROPORES. FOLLOWING THIS, THE AREA SHOULD BE DISKED PRIOR TO FINAL GRADING.
22. CAUTION SHALL BE OBSERVED WHEN EXCAVATING ABOVE THE RECENTLY INSTALLED GAS PIPELINE. PRIOR TO EXCAVATION OVER THE GAS PIPELINE, CONFIRM THE DEPTH OF COVER OVER THE PIPE. DECOMPACT THE PIPE TRENCH BACKFILL AS DESCRIBED IN THE PREVIOUS STEP.
23. PLACE THE STONE AND GEOTEXTILE FABRIC WITHIN THE MLV PAD AS SPECIFIED ON THE E&S & PCSM PLANS. NOTE: THIS IS A CRITICAL STAGE OF PCSM PLAN TO BE OBSERVED BY A LICENSED PROFESSIONAL OR DESIGNEE.
24. IMMEDIATELY STABILIZE THE ACCESS ROAD WITH GEOTEXTILE AND GRAVEL SURFACING WHERE INDICATED IN THE E&S PLANS.
25. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, THE 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE E&S BMP. 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).
26. 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 E&S B.MPS. 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.
27. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S B.MPS AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER AND TEMPORARY COMPOST FILTER SOCK DIVERSIONS. PROPERLY DISPOSE OF OR RECYCLE E&S B.MPS. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
28. COMPLETE ACCESS ROAD ROW STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
29. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY E&S B.MPS, AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.

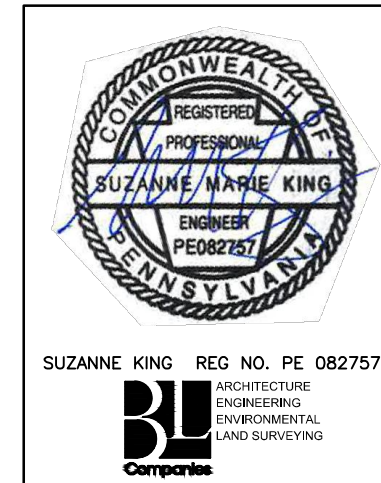


NOTE:

1. ACCESS ROAD IS LOCATED ENTIRELY WITHIN PIPELINE ROW. SEE PIPELINE E&S ALIGNMENT SHEETS FOR E&S MEASURES.



Drawn By & Date/Time: Norwooduser Nov 12, 2016 - 7:10pm
 Drawing Location & Name: G:\0851\14\1404909\DWG\010-CPM\VAR_EC_4c4909(10)-PLU-007-1.dwg



REVISIONS						
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

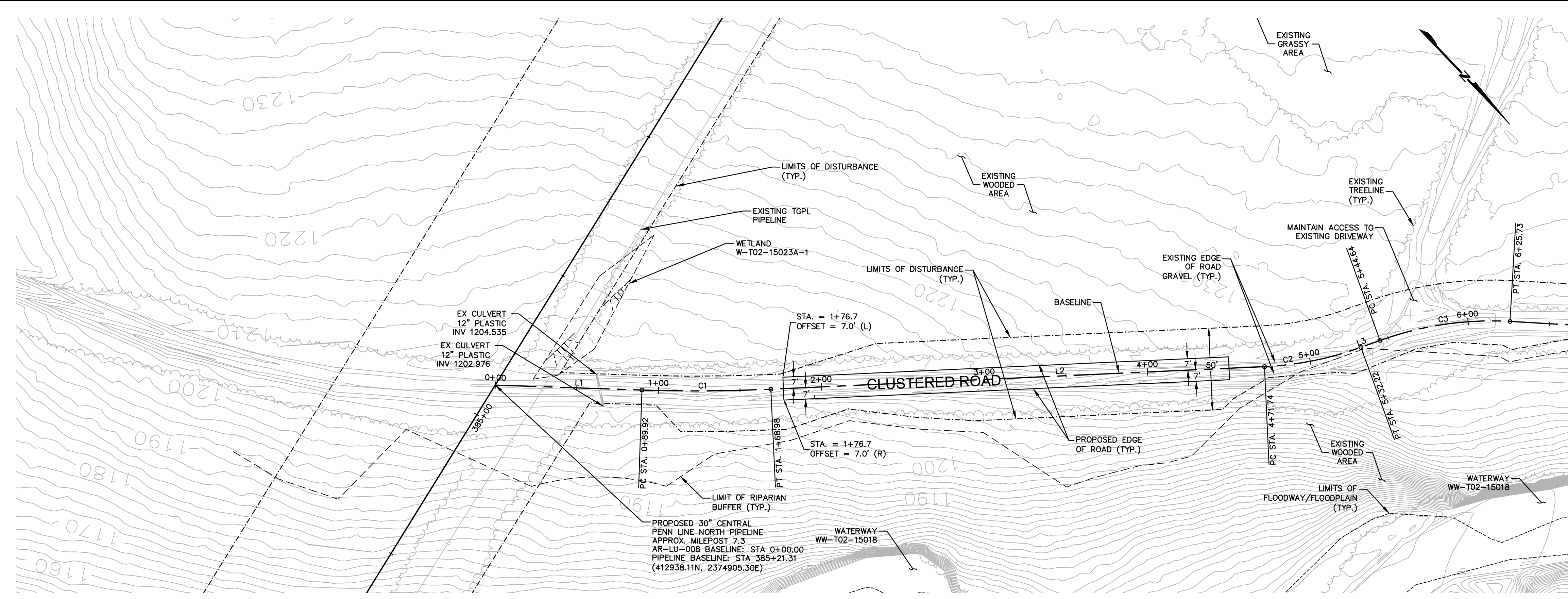
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH

ACCESS ROADS - SOIL EROSION CONTROL PLAN
 PROPOSED PERMANENT ACCESS ROAD AR-LU-007.1
 FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

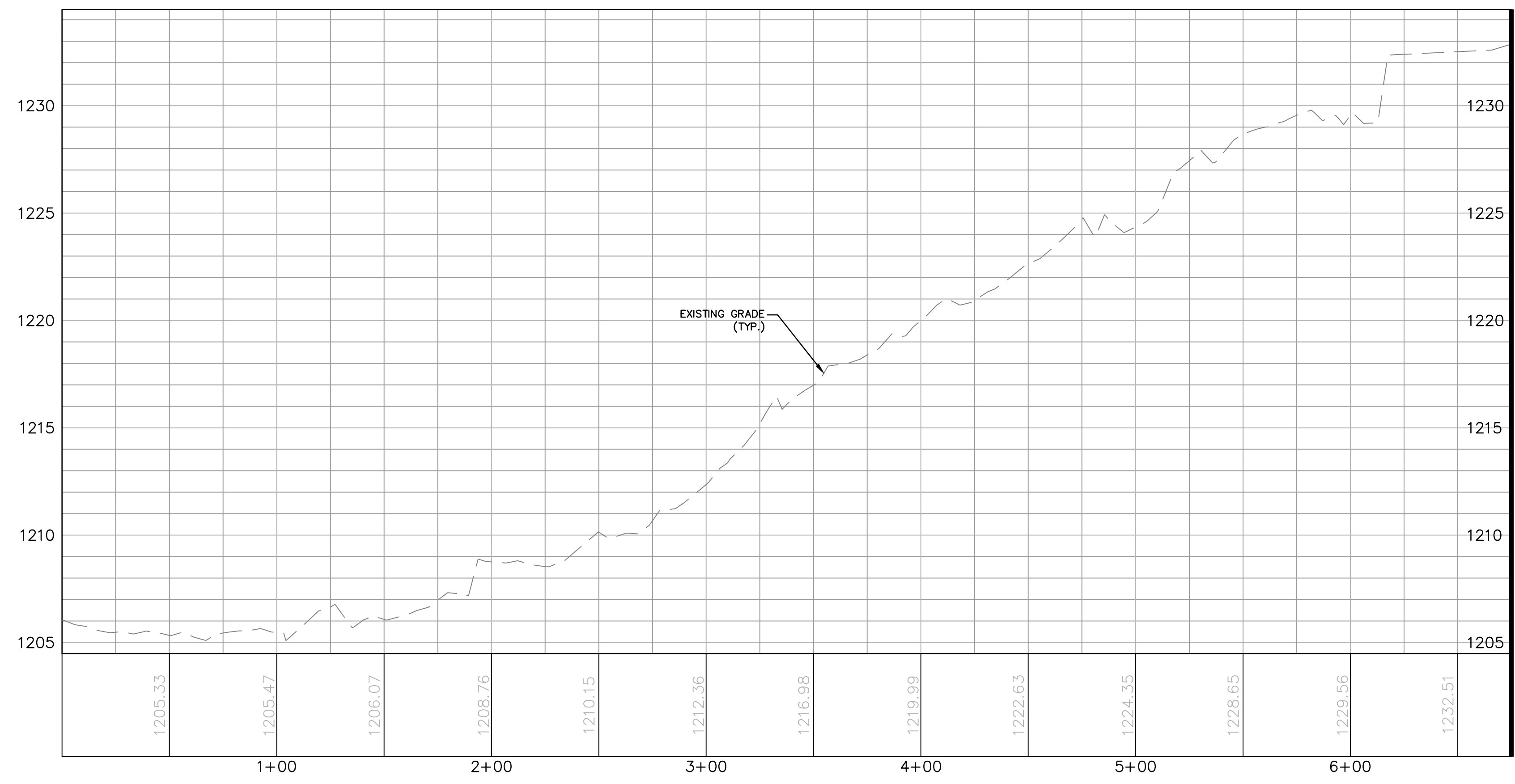
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APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-LU-007.1	SHEET 2 OF 2

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND



ACCESS ROAD LAYOUT

MATCHLINE: SEE SHEET AR-LU-008-2 - STA. 6+75



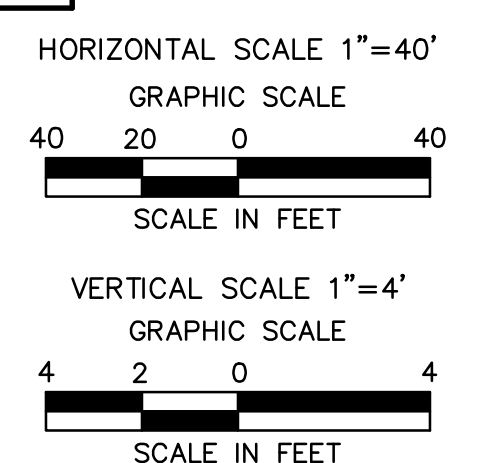
ACCESS ROAD PROFILE

MATCHLINE: SEE SHEET AR-LU-008-2 - STA. 6+75

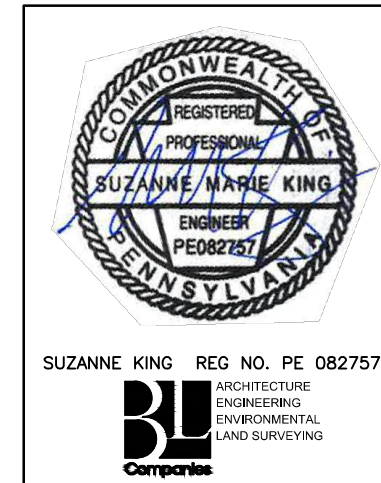
AR-LU-008 ALIGNMENT						
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent
L1	B 412938.11 E 413002.37	B 2374905.30 E 2374842.41	N44°22'38.88"W		89.92'	
C1	PC 413002.37 PI 413030.64 PT 413056.64	PC 2374842.41 PI 2374814.75 PT 2374784.94		4°31'49"	79.07'	39.55'
L2	B 413056.64 E 413255.64	B 2374784.94 E 2374556.77	N48°54'27.48"W		302.76'	
C2	PC 413255.64 PI 413275.67 PT 413297.95	PC 2374556.77 PI 2374533.80 PT 2374505.92		17°19'31"	60.48'	30.47'
L3	B 413297.95 E 413292.95	B 2374505.92 E 2374494.55	N66°13'58.16"W		12.42'	
C3	PC 413292.95 PI 413309.52 PT 413339.58	PC 2374494.55 PI 2374456.93 PT 2374428.89		23°13'43"	81.08'	41.11'
L4	B 413339.58 E 413490.84	B 2374428.89 E 2374287.82	N43°00'14.92"W		206.63'	
C4	PC 413490.84 PI 413526.50 PT 413513.28	PC 2374287.82 PI 2374254.56 PT 2374207.62		62°43'39"	87.58'	48.76'
L5	B 413513.28 E 413442.10	B 2374207.62 E 2373954.94	S74°16'05.82"W		262.52'	
C5	PC 413442.10 PI 413432.66 PT 413418.65	PC 2373954.94 PI 2373921.40 PT 2373889.50		7°58'17"	69.56'	34.84'
L6	B 413418.65 E 413368.20	B 2373889.50 E 2373770.04	S66°17'48.36"W		130.47'	
C6	PC 413368.20 PI 413351.69 PT 413339.43	PC 2373770.04 PI 2373736.76 PT 2373702.50		4°09'48"	72.67'	36.35'
L7	B 413339.43 E 413252.74	B 2373702.50 E 2373458.23	S70°27'36.77"W		259.20'	
C7	PC 413252.74 PI 413238.37 PT 413227.53	PC 2373458.23 PI 2373417.75 PT 2373376.19		4°55'10"	85.86'	42.96'
L8	B 413227.53 E 413197.16	B 2373376.19 E 2373259.75	S75°22'46.44"W		120.34'	
C8	PC 413197.16 PI 413190.12 PT 413180.13	PC 2373259.75 PI 2373232.78 PT 2373206.76		6°22'51"	55.68'	27.87'
L9	B 413180.13 E 412965.69	B 2373206.76 E 2372648.15	S68°59'55.16"W		598.35'	
C9	PC 412965.69 PI 412959.95 PT 412954.70	PC 2372648.15 PI 2372633.21 PT 2372618.10		1°50'00"	32.00'	16.00'
L10	B 412954.70 E 412907.35	B 2372618.10 E 2372481.88	S70°49'55.21"W		144.22'	
C10	PC 412907.35 PI 412897.73 PT 412889.75	PC 2372481.88 PI 2372454.21 PT 2372426.03		3°21'19"	58.56'	29.29'

AR-LU-008 ALIGNMENT						
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent
L11	B 412889.75 E 412881.99	B 2372426.03 E 2372398.63	S74°11'14.52"W		28.48'	
C11	PC 412881.99 PI 412866.04 PT 412863.53	PC 2372398.63 PI 2372342.32 PT 2372283.86		13°21'01"	116.50'	58.52'
L12	B 412863.53 E 412861.08	B 2372283.86 E 2372227.00	S87°32'15.79"W		56.92'	
C12	PC 412861.08 PI 412860.73 PT 412859.67	PC 2372227.00 PI 2372218.64 PT 2372210.35		4°47'18"	16.71'	8.36'
L17	B 412859.67 E 412853.89	B 2372210.35 E 2372164.90	S82°44'57.51"W		45.81'	
C17	PC 412853.89 PI 412851.48 PT 412850.52	PC 2372164.90 PI 2372145.94 PT 2372126.85		4°22'40"	38.20'	19.11'
L18	B 412850.52 E 412848.33	B 2372126.85 E 2372083.22	S87°07'37.52"W		43.68'	
C13	PC 412848.33 PI 412846.92 PT 412846.66	PC 2372083.22 PI 2372055.23 PT 2372027.25		6°25'03"	56.00'	28.03'
L15	B 412846.66 E 412849.40	B 2372027.25 E 2372015.21	N86°27'19.53"W		12.06'	
C16	PC 412849.40 PI 412851.46 PT 412852.04	PC 2372015.21 PI 2371982.00 PT 2371948.73		2°32'30"	66.54'	33.28'
L16	B 412852.04 E 412853.44	B 2371948.73 E 2371869.13	N88°59'49.94"W		79.61'	
C14	PC 412853.44 PI 412853.78 PT 412852.74	PC 2371869.13 PI 2371850.83 PT 2371832.56		4°11'33"	36.59'	18.30'
L13	B 412852.74 E 412849.68	B 2371832.56 E 2371777.77	S86°48'37.25"W		54.87'	
C15	PC 412849.68 PI 412847.18 PT 412836.68	PC 2371777.77 PI 2371732.80 PT 2371689.01		10°17'39"	89.83'	45.04'
L14	B 412836.68 E 412831.21	B 2371689.01 E 2371666.21	S76°30'58.14"W		23.44'	

AR-LU-008 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
1+77	4+50	A
9+00	34+89	A



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REVISIONS			
NO.	DATE	BY	DESCRIPTION
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1

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-LU-008
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

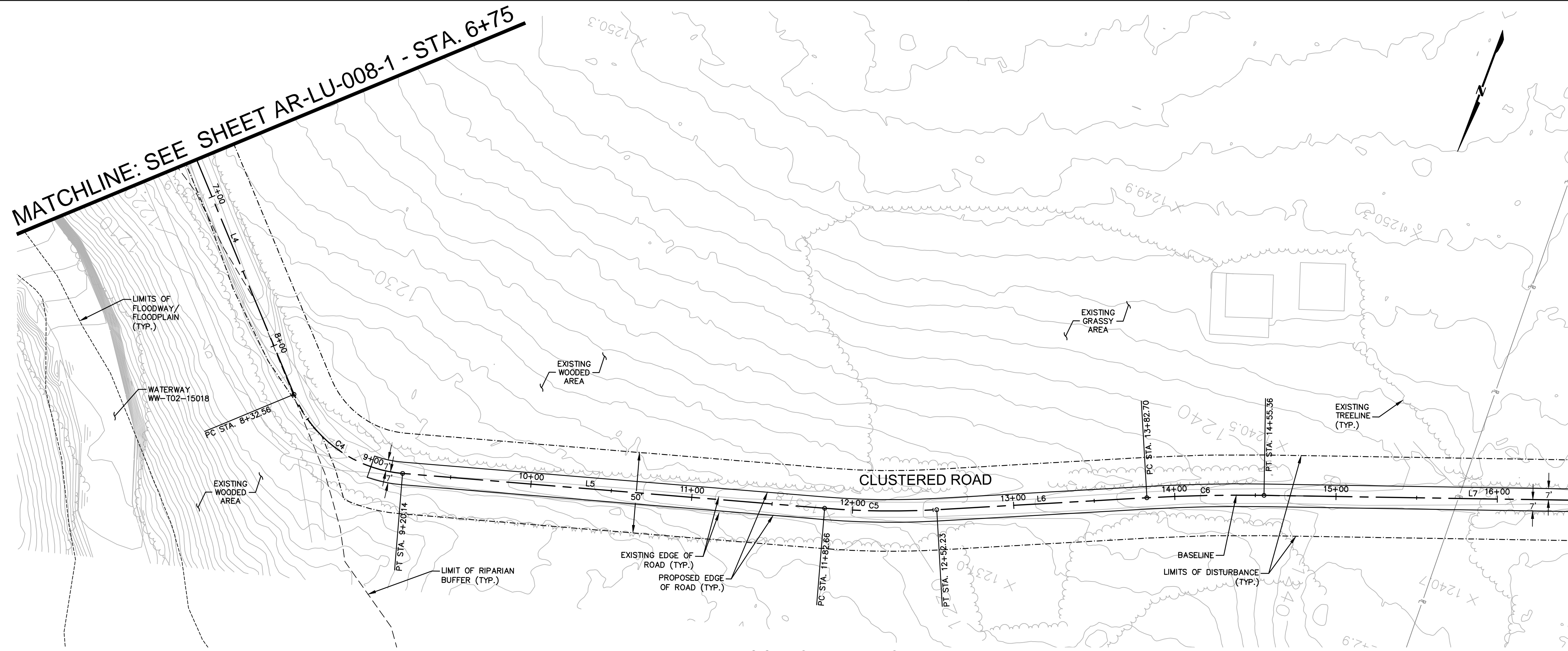
WILLIAMS
GAS PIPELINE

DRAWN BY: OLC	DATE: 4/2015	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: DAK	DATE: 06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/ 1683_3-AR-LU-008	SHEET 1 OF 8

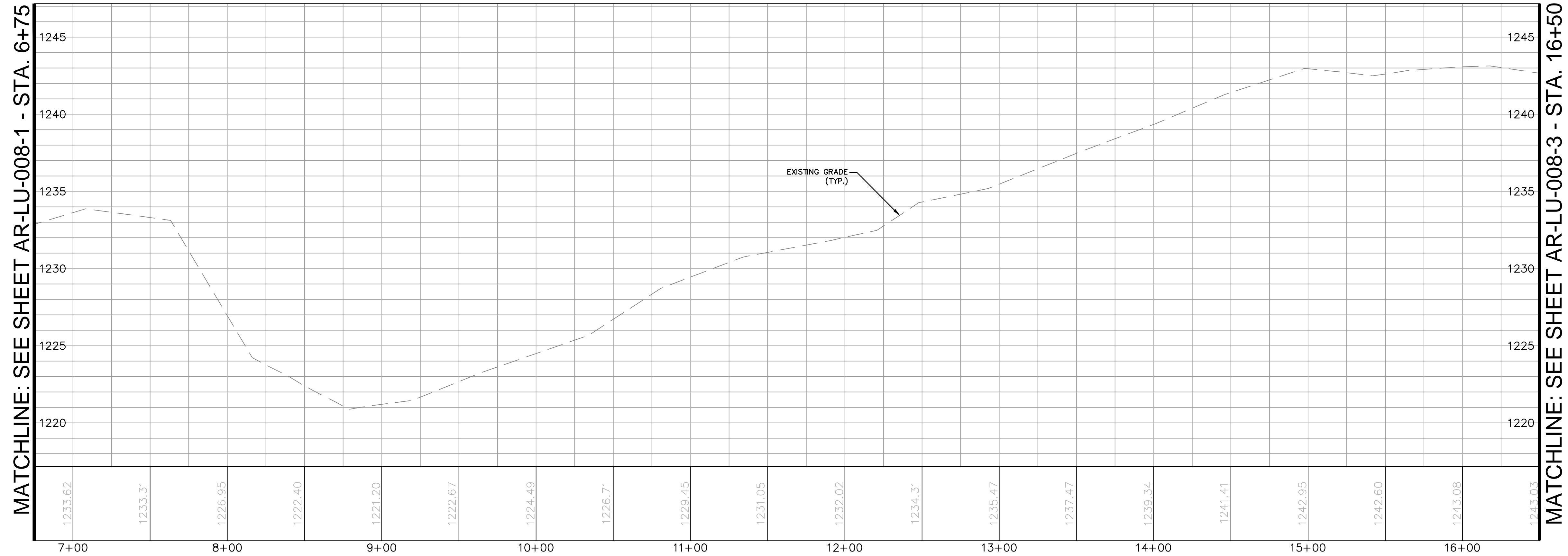
NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

MATCHLINE: SEE SHEET AR-LU-008-1 - STA. 6+75

MATCHLINE: SEE SHEET AR-LU-008-3 - STA. 16+50



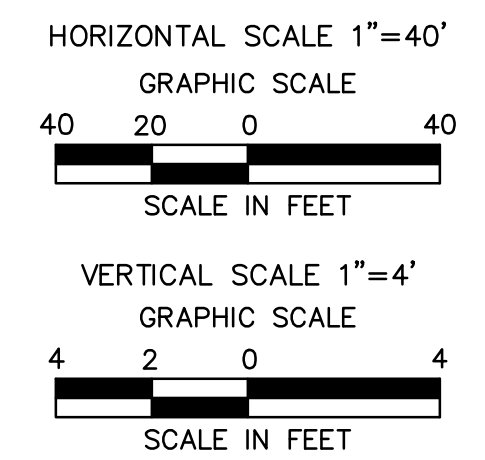
ACCESS ROAD LAYOUT



MATCHLINE: SEE SHEET AR-LU-008-1 - STA. 6+75

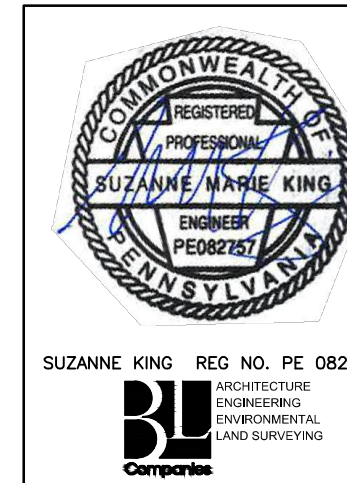
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ACCESS ROAD PROFILE



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NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4
 (TYPICAL SECTION) FOR EXISTING AND
 PROPOSED FEATURES LEGEND



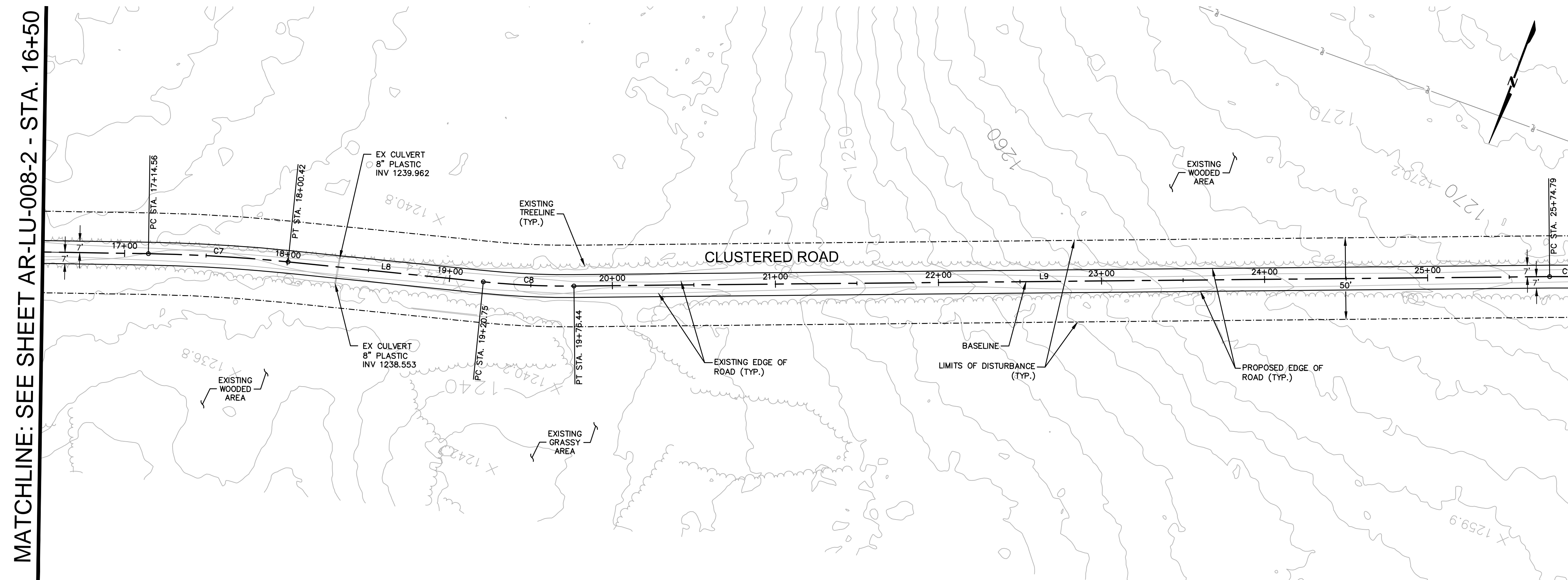
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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-LU-008					
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA					
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-008
W.O.:	W01161481				SHEET 2 OF 8



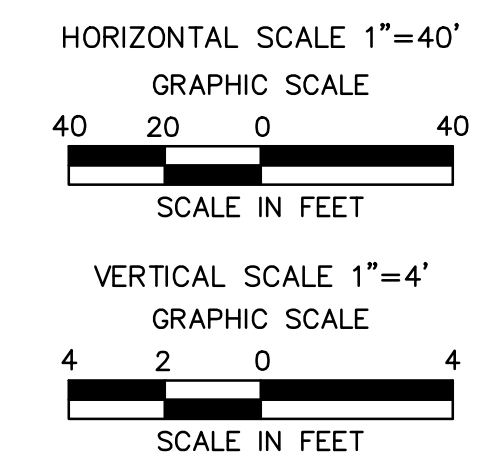
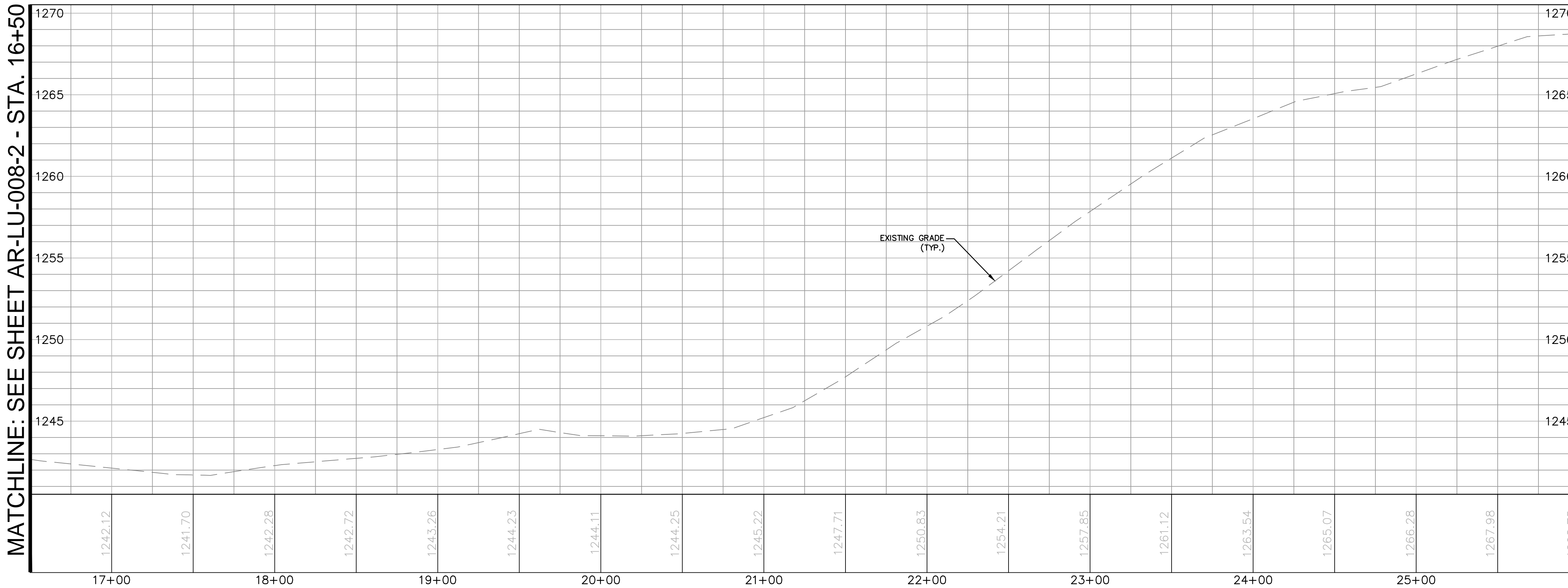
MATCHLINE: SEE SHEET AR-LU-008-2 - STA. 16+50

MATCHLINE: SEE SHEET AR-LU-008-4 - STA. 26+00



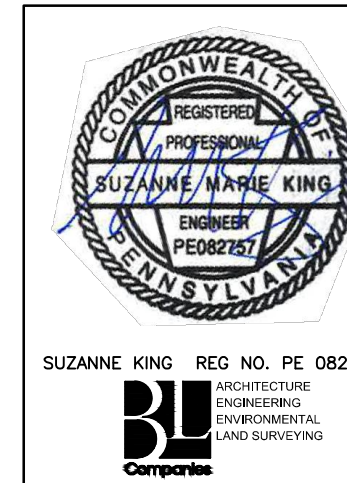
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MATCHLINE: SEE SHEET AR-LU-008-4 - STA. 26+00



Drawn By & Date/Time: Nonwooduser Nov 13, 2016 - 4:47pm
Drawing Location & Name: C:\DBS1\14\14c4599\DWG\010-CPLAN\AR_PP14c4599(10)-TLU-008.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

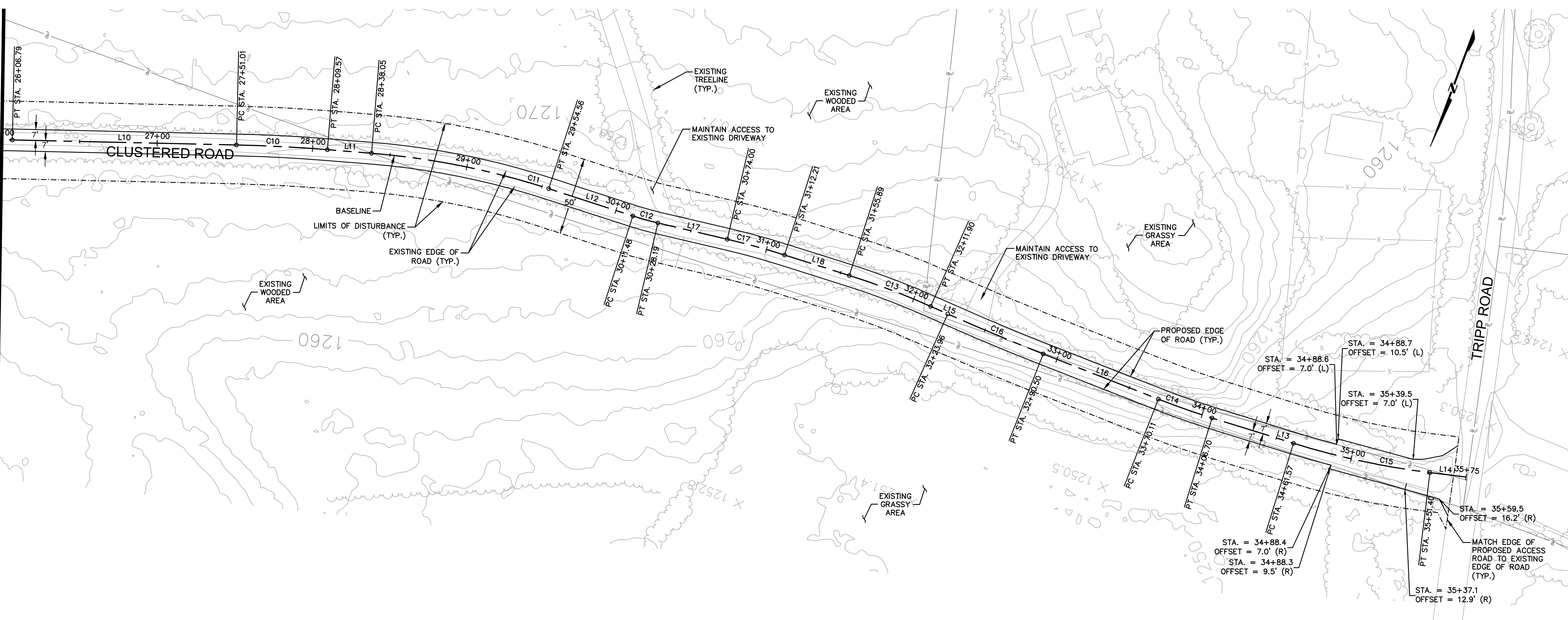


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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-LU-008			
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W0161481	ISSUED FOR CONSTRUCTION:	REVISION: J
DRAWING NUMBER:		24-1601-70-28-A/ 1683_3-AR-LU-008	
SHEET 3		OF 8	

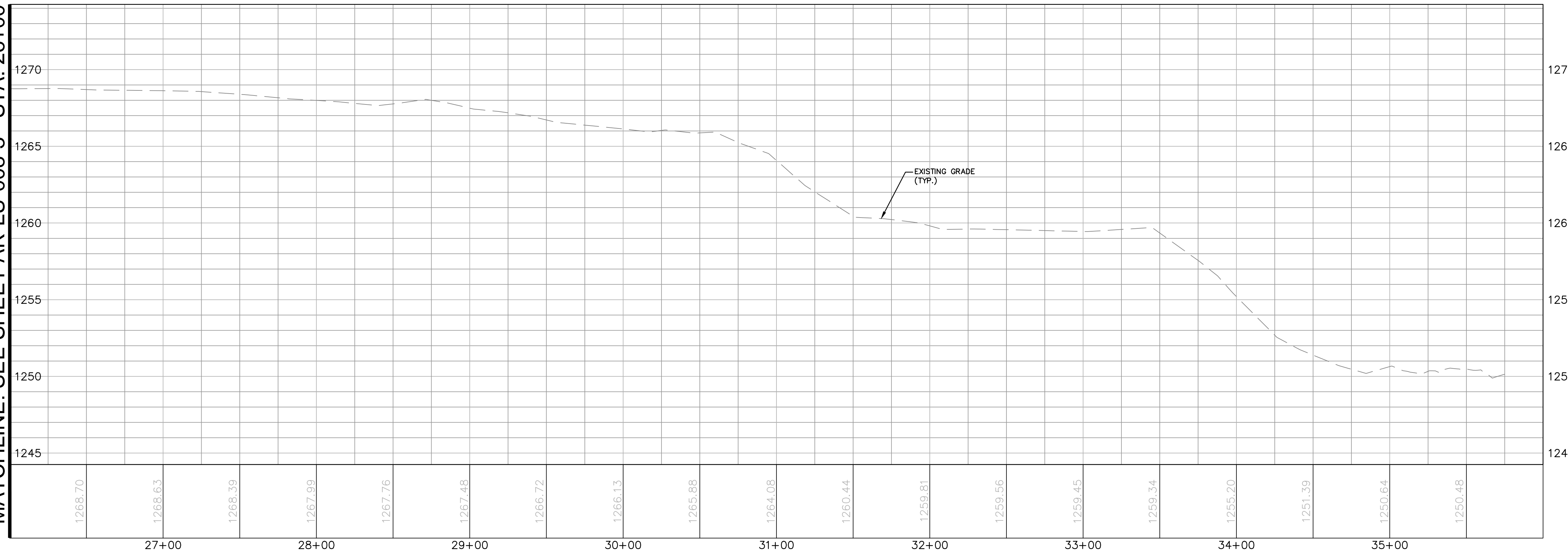


MATCHLINE: SEE SHEET AR-LU-008-3 - STA. 26+00

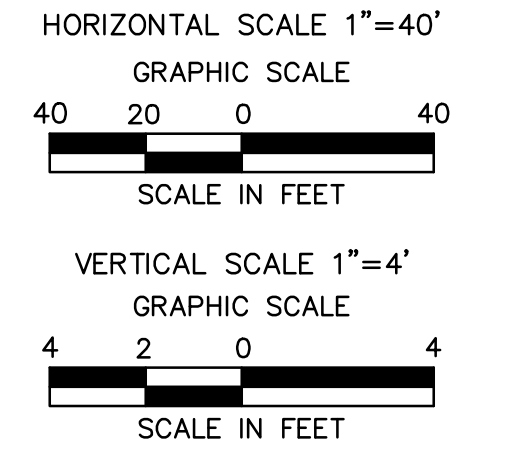


ACCESS ROAD LAYOUT

MATCHLINE: SEE SHEET AR-LU-008-3 - STA. 26+00



ACCESS ROAD PROFILE



NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4
 (TYPICAL 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

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-LU-008			
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W01161481	ISSUED FOR CONSTRUCTION:	SCALE: AS NOTED
REVISION:	J	DRAWING NUMBER:	24-1601-70-28-A/1683_3-AR-LU-008
SHEET:	4	OF:	8

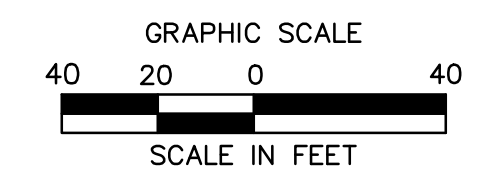


ROAD SPECIFIC CONSTRUCTION SEQUENCE:

- AT LEAST 7 DAYS PRIOR TO STARTING ANY 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 OVERSIGHT OF THE 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 ANY 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
- PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
- INSTALL ROCK CONSTRUCTION ENTRANCE WITH WASH RACK AND GRAVEL DRIVEWAY APRON.
- INSTALL CONSTRUCTION MATS ADJACENT TO RIPARIAN BUFFER AREA.
- REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER E&S BMPs, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- INSTALL PERIMETER E&S BMPs AS DEPICTED ON THE E&S PLAN.
- APPLY STABILIZATION MEASURES IMMEDIATELY TO ANY DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF E&S BMPs.
- THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
- 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.
- BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL. INSTALL E&S BMPs 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 LIMIT OF DISTURBANCE. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK OR SILT FENCE. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
- GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OF AN ACTIVITY WHERE THE CESSATION OF EARTH DISTURBANCE ACTIVITIES WILL EXCEED FOUR DAYS, THE 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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 SECTIONS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
- LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs 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 E&S BMPs. 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.
- UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
- COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.

NOTE:

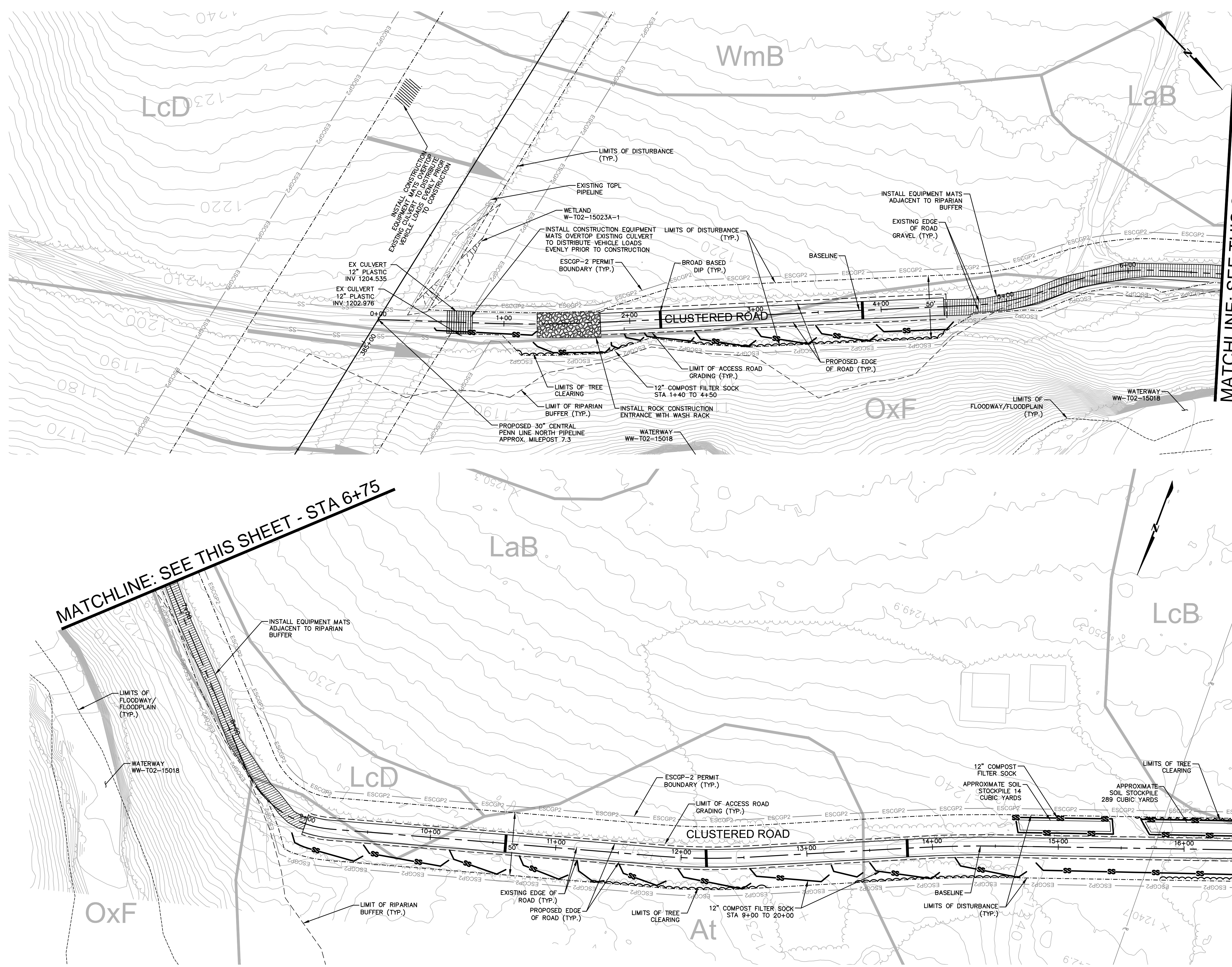
INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.



MATCHLINE: SEE THIS SHEET - STA 6+75

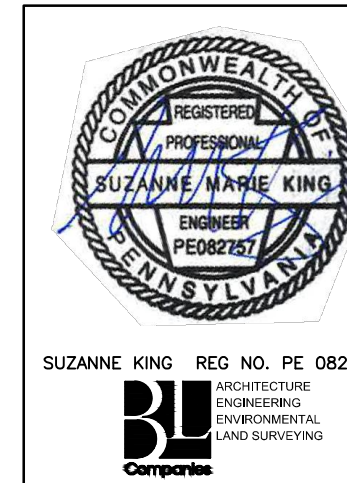
MATCHLINE: SEE THIS SHEET - STA 6+75

MATCHLINE: SEE SHEET AR-LU-008-6 - STA 16+50



Drawn By & Date/Time: Norwooduser Nov 12, 2016 - 7:40pm
Drawing Location & Name: C:\DBS1\14c\14c4909.DWG(010)-PLAN\AR_EC_4c4909(10)-TLU-008.dwg

NOTE: SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	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 TEMPORARY ACCESS ROAD AR-LU-008
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

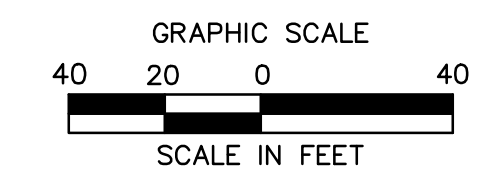
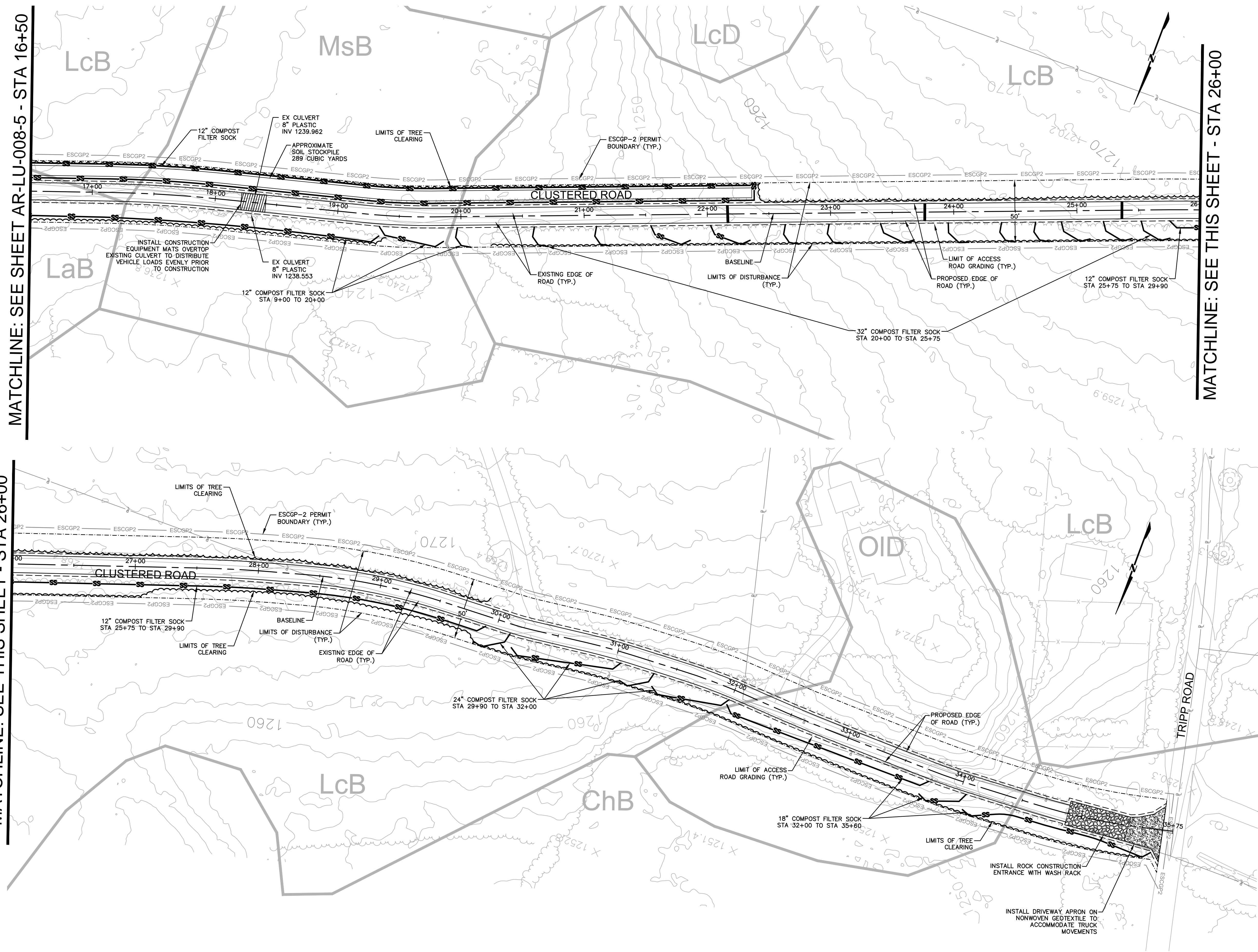
Williams
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-008	SHEET 5 OF 8
W.D.:	W01161481					

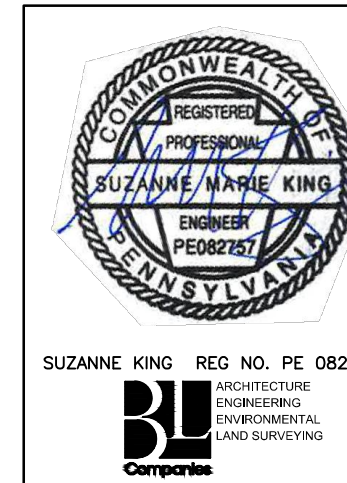
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MATCHLINE: SEE THIS SHEET - STA 26+00

MATCHLINE: SEE THIS SHEET - STA 26+00



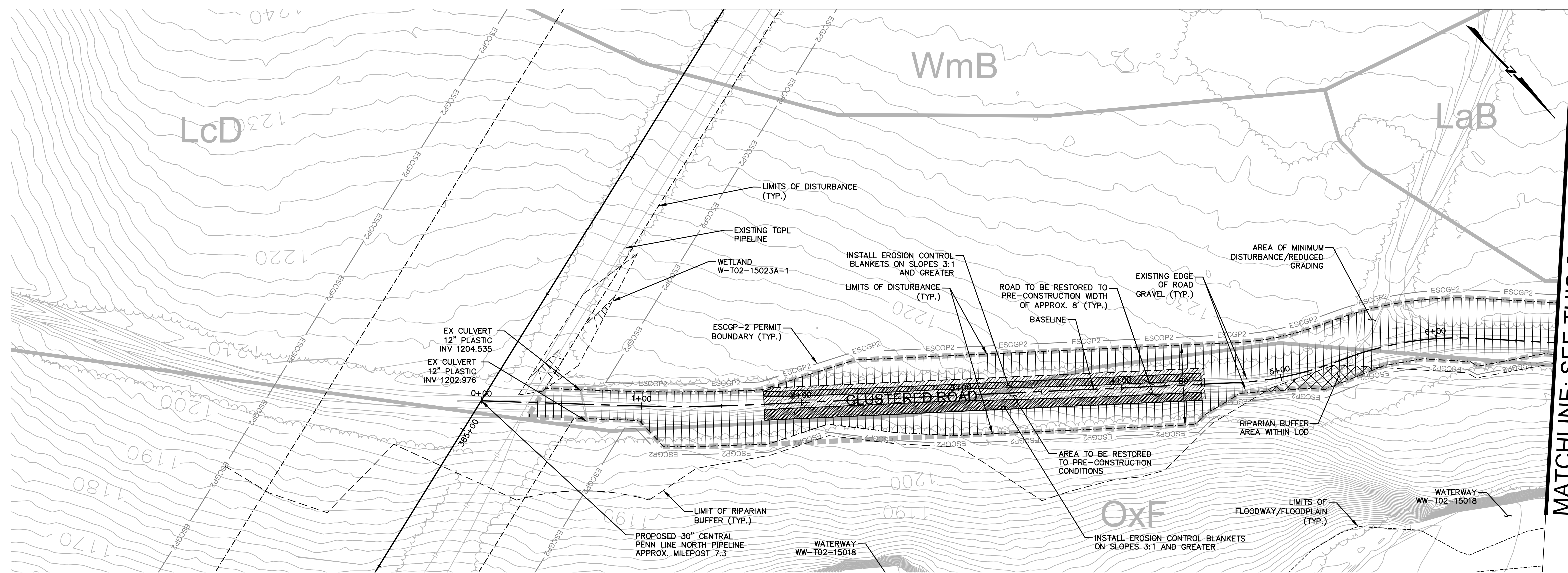
NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4
 (TYPICAL SECTION) FOR EXISTING AND
 PROPOSED FEATURES LEGEND



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2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

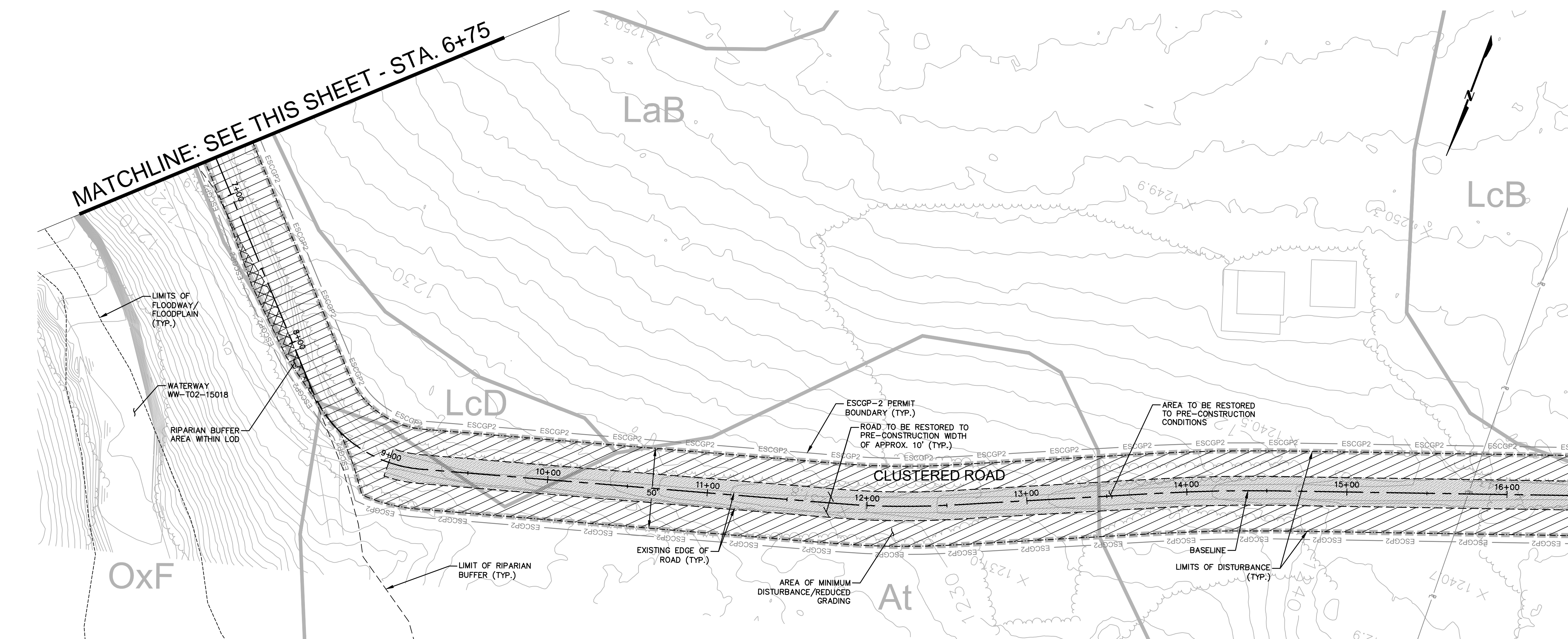
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC						
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH						
ACCESS ROADS - SOIL EROSION CONTROL PLAN						
PROPOSED TEMPORARY ACCESS ROAD AR-LU-008						
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA						
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-008	SHEET 6 OF 8
W.O.:	W0161481					





MATCHLINE: SEE THIS SHEET - STA. 6+75

MATCHLINE: SEE THIS SHEET - STA. 6+75



MATCHLINE: SEE SHEET AR-LU-008-8 - STA. 16+50

ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	3.80 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.03 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	2.45 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPS	N/A**

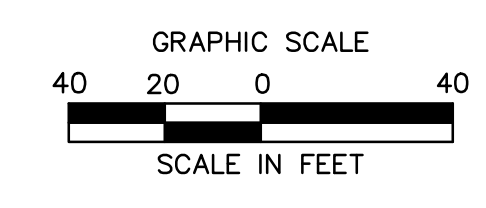
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

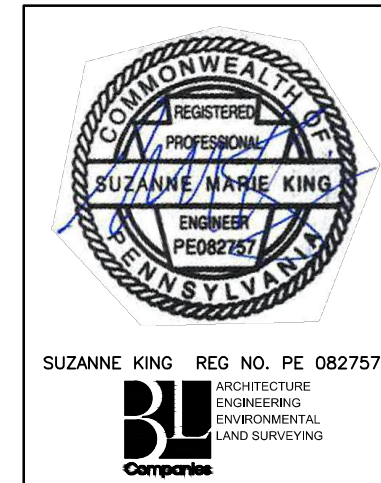
RECEIVING WATERS

KITCHEN CREEK, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE



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Drawing Location & Name: G:\0851\14\1404909.DWG\010-CPL\AR_PCSM14C4909(10)-TLU-008.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
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REVISIONS			
NO.	DATE	BY	DESCRIPTION
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1

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

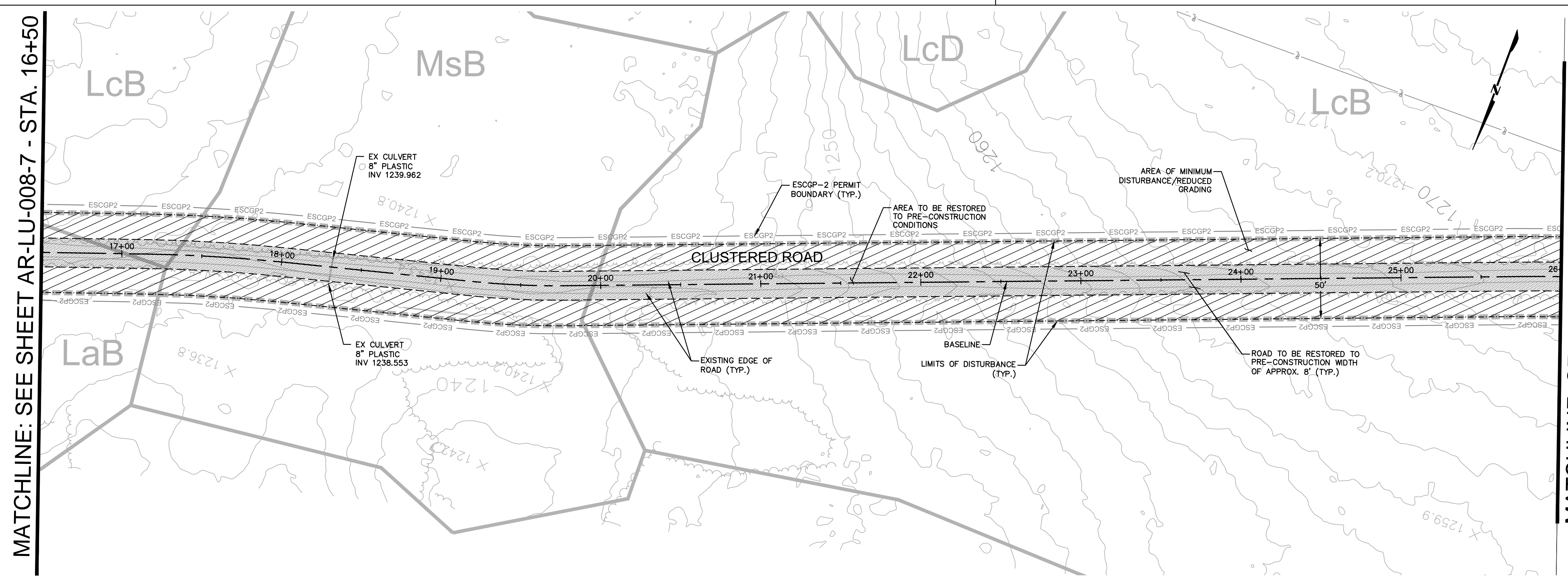
ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-008
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

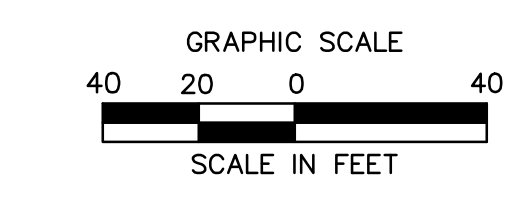
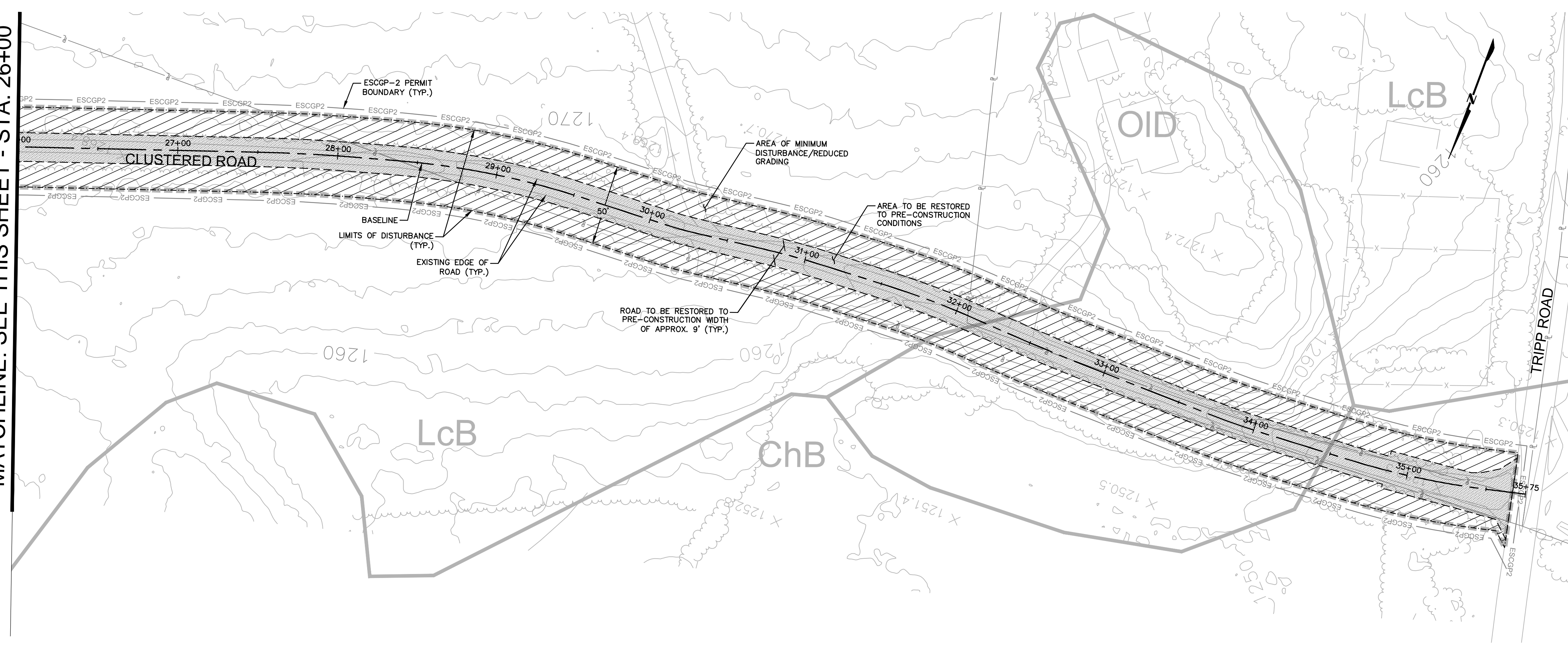
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CHECKED BY: DAK	DATE: 06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/ 1683_3-AR-LU-008	SHEET 7 OF 8

MATCHLINE: SEE SHEET AR-LU-008-7 - STA. 16+50

MATCHLINE: SEE THIS SHEET - STA. 26+00

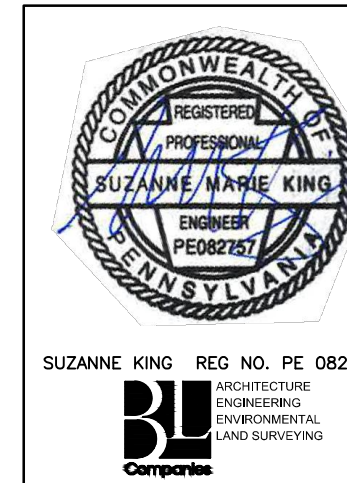


MATCHLINE: SEE THIS SHEET - STA. 26+00



Drawn By & Date/Time: nonocuduser Nov 12, 2016 - 8:51pm
 Drawing Location & Name: C:\DBS1\14c\14c4909.DWG\010-CPLAN\AR_PCSM14c4909(10)-TLU-008.dwg

NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4
 (TYPICAL 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

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC					
ATLANTIC SUNRISE PROJECT - PROPOSED 30' CENTRAL PENN LINE NORTH					
ACCESS ROADS - SITE RESTORATION PLAN					
PROPOSED TEMPORARY ACCESS ROAD AR-LU-008					
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA					
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE: 1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-008
W.O.:	W01161481				SHEET 8 OF 8

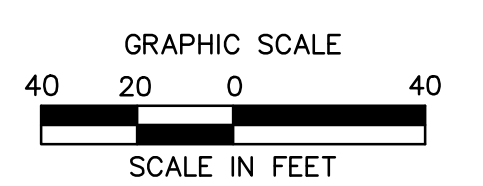
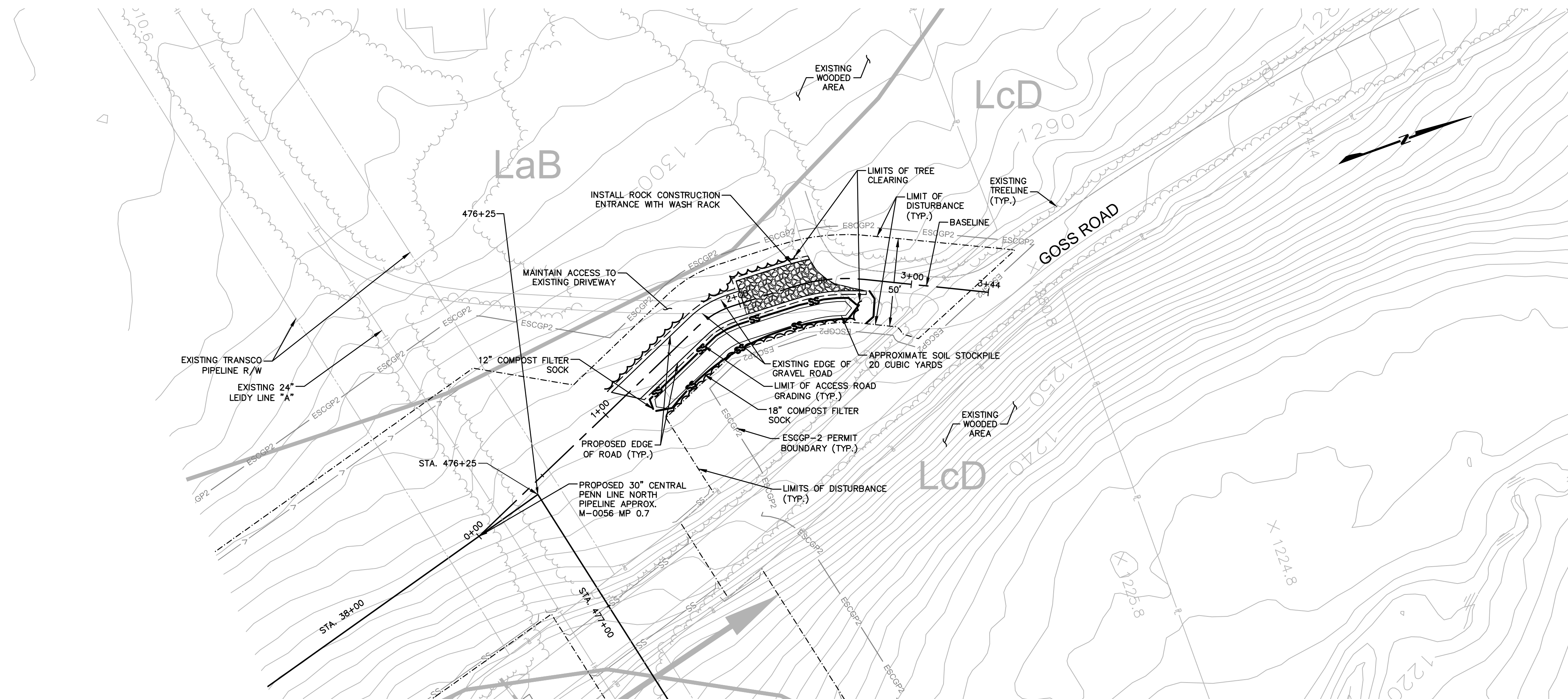


NOTE:

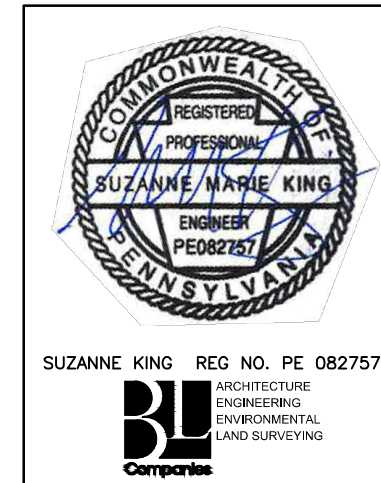
INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.

ROAD SPECIFIC CONSTRUCTION SEQUENCE:

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2. AT LEAST 3 DAYS PRIOR TO STARTING ANY 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, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
7. PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
8. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK.
9. REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER E&S BMPs, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
10. INSTALL PERIMETER E&S BMPs AS DEPICTED ON THE E&S PLAN.
11. APPLY STABILIZATION MEASURES IMMEDIATELY TO ANY DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF COMPOST FILTER SOCKS.
12. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER E&S BMPs.
13. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
14. PROCEED WITH MAJOR CLEARING AND GRUBBING.
15. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF ACCESS ROAD.
16. BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL. INSTALL E&S BMPs 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 LIMIT OF DISTURBANCE. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK OR SILT FENCE. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
17. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
18. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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).
19. ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTION OF THE ACCESS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
20. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTION OF THE ACCESS ROAD GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
21. 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 E&S BMPs. 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.
22. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE/RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
23. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
24. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



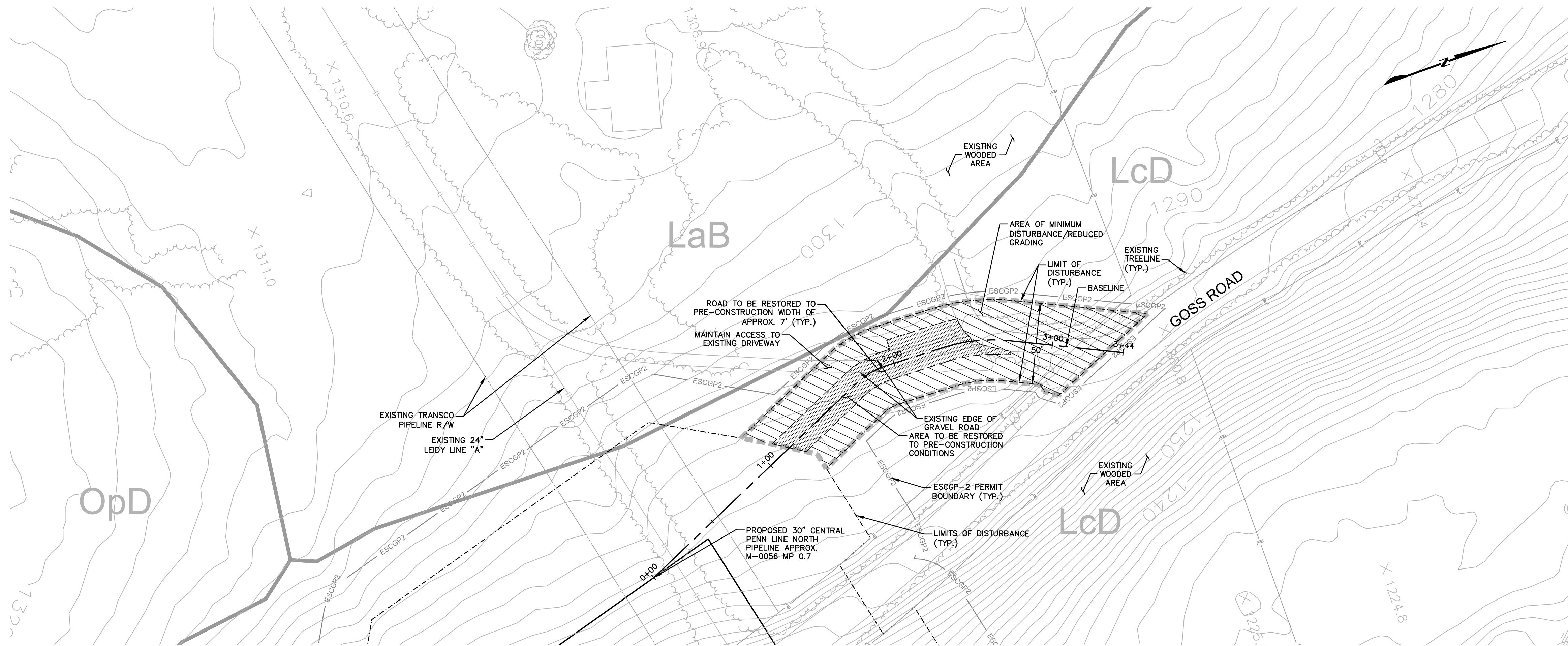
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK

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

ACCESS ROADS - SOIL EROSION CONTROL PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-009
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-009	SHEET 2 OF 3
W.O.:	W01161481					



ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	0.25 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.19 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPs	N/A**

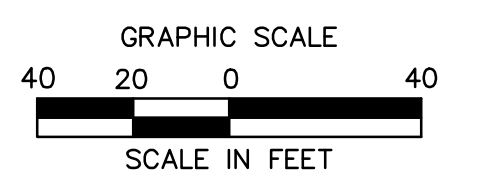
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

RECEIVING WATERS

PHILLIPS CREEK, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS



Drawn By & Date/Time: nonocaduser Nov 12, 2016 - 8:54pm
Drawing Location & Name: C:\DBS1\14\14c\4909\DWG\010-CPLAN\AR_PCSM14C4909(10)-TLU-009.dwg


NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



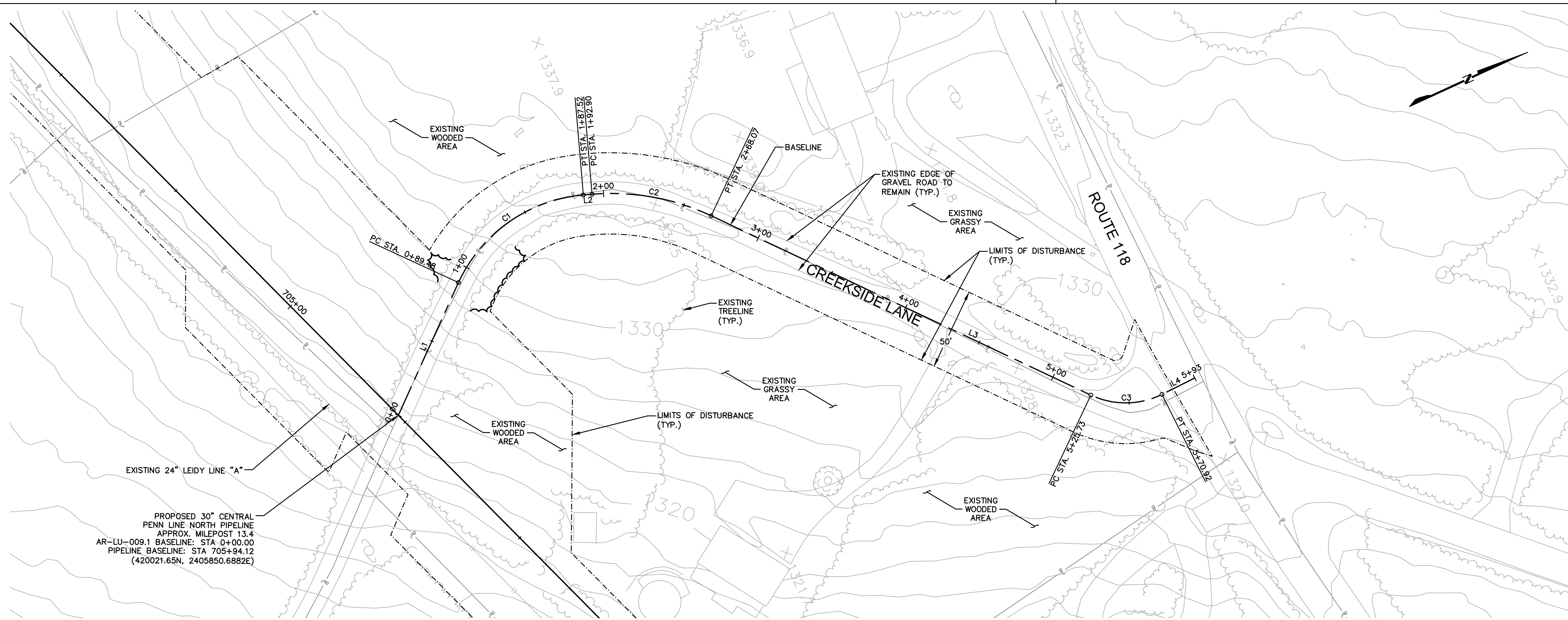
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK

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

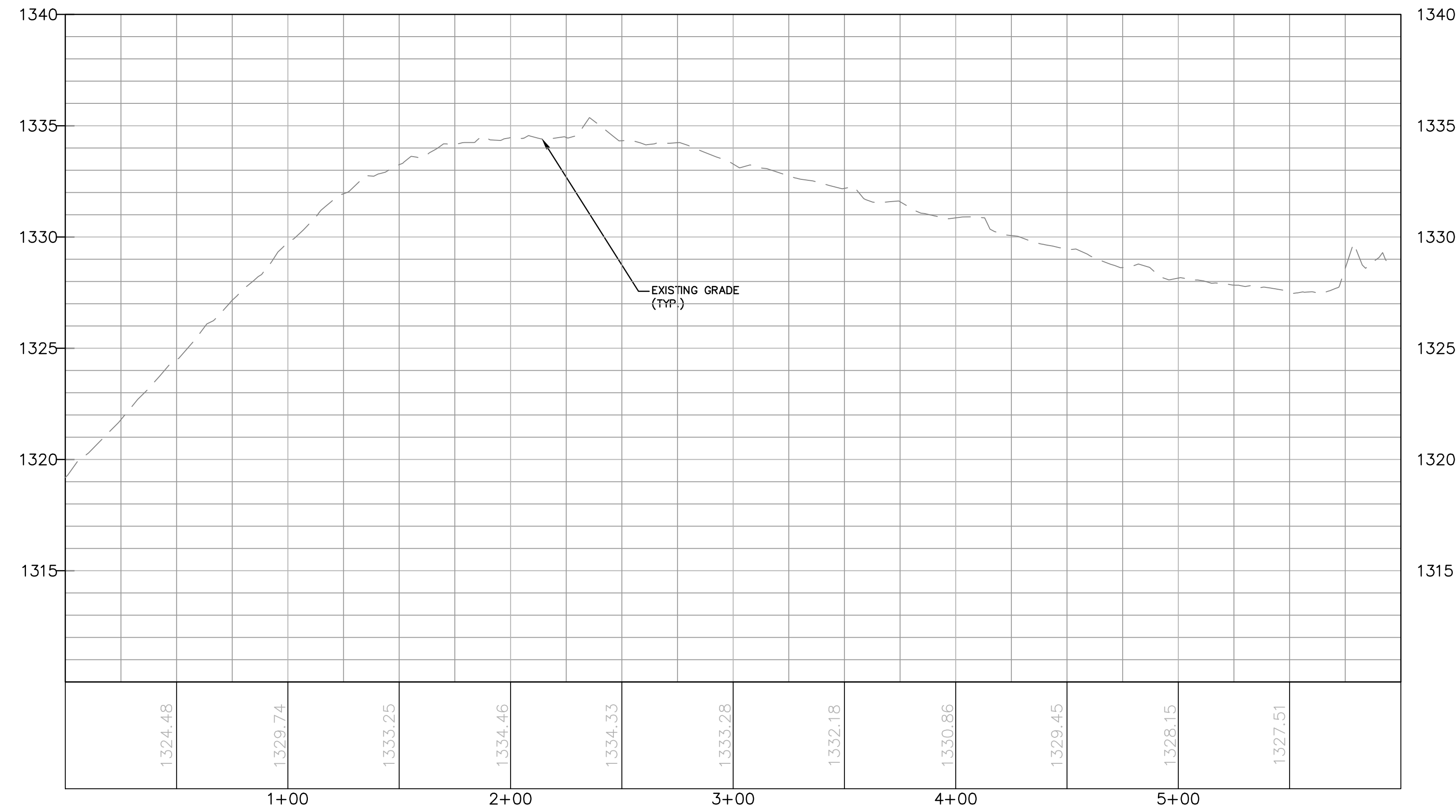
ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-009
FAIRMOUNT TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA



DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-009	SHEET 3 OF 3
W.O.:	W01161481					



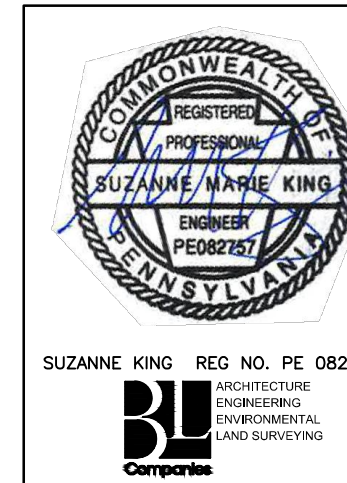
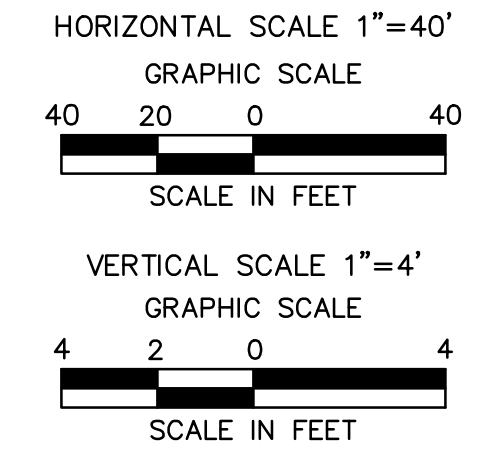
ACCESS ROAD LAYOUT



ACCESS ROAD PROFILE

AR-LU-009.1 ALIGNMENT							
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 420021.65 E 420089.22	B 2405850.69 E 2405792.02	N40°58'02.06"W		89.48'		
C1	PC 420089.22 PI 420130.36 PT 420181.26	PC 2405792.02 PI 2405756.84 PT 2405775.24		60°24'04"	98.04'	54.13'	93.0'
L2	B 420181.26 E 420186.32	B 2405775.24 E 2405777.07	N19°52'01.19"E		5.38'		
C2	PC 420186.32 PI 420222.51 PT 420247.25	PC 2405777.07 PI 2405790.14 PT 2405819.61		30°07'11"	75.17'	38.48'	143.0'
L3	B 420247.25 E 420412.91	B 2405819.61 E 2406016.95	N49°59'11.89"E		257.65'		
C3	PC 420412.91 PI 420428.52 PT 420452.78	PC 2406016.95 PI 2406035.54 PT 2406034.77		51°47'32"	45.20'	24.27'	50.0'
L4	B 420452.78 E 420475.25	B 2406034.77 E 2406034.06	N1°48'20.08"W		22.48'		

NOTE:
EXISTING ROAD IS TO BE USED DURING CONSTRUCTION; THEREFORE, NO PROPOSED ROADWAY SECTION IS PROVIDED. MAINTAIN EXISTING ASPHALT ACCESS ROAD AND ADD AASHTO #57 STONE TO ROADWAY SURFACE AS NECESSARY IN AREAS SHOWING SIGNS OF EROSION (I.E. THINNING OF GRAVEL, GRAVEL WASHOUT, DEPRESSIONS, ETC.) IN ORDER TO RE-ESTABLISH STABLE ROADWAY SURFACE.



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

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

ACCESS ROADS -- ROADWAY LAYOUT AND PROFILE
EXISTING PERMANENT ACCESS ROAD AR-LU-009.1
ROSS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

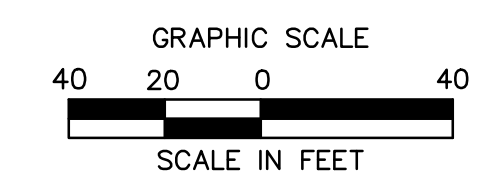
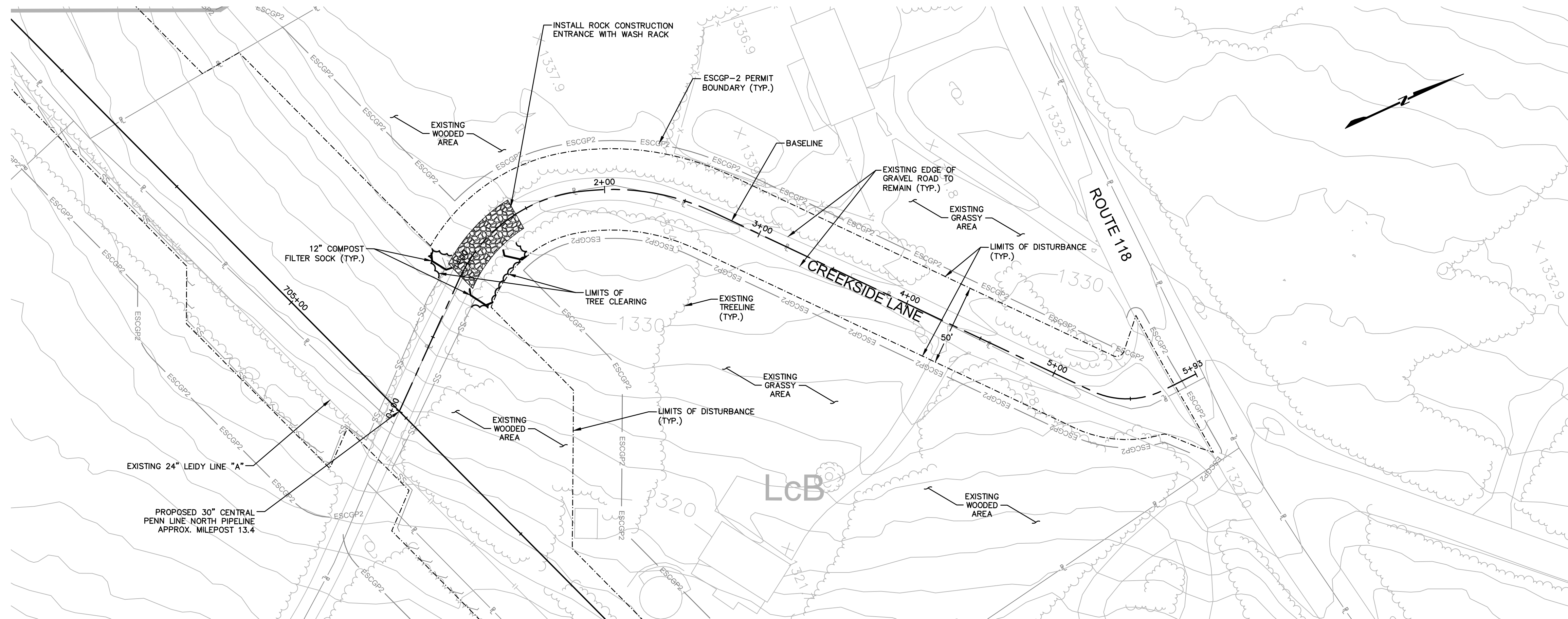
WILLIAMS GAS PIPELINE

DRAWN BY: OLC	DATE: 4/2015	ISSUED FOR BID:	SCALE: AS NOTED
CHECKED BY: DAK	DATE: 06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-LU-009.1	SHEET 1 OF 3

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND

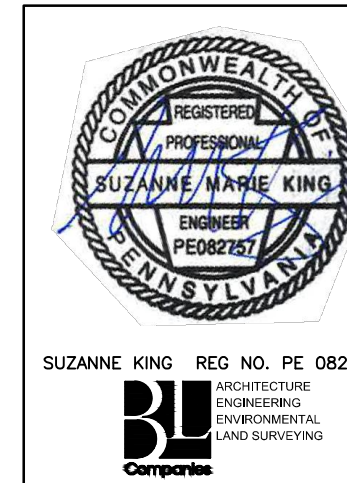
ROAD SPECIFIC CONSTRUCTION SEQUENCE:

1. AT LEAST 7 DAYS PRIOR TO STARTING ANY 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.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY 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, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL E&S BMPs DOWN SLOPE OF THESE AREAS.
7. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK.
8. INSTALL PERIMETER E&S BMPs AS DEPICTED ON THE E&S PLAN.
9. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
10. PROCEED WITH MAJOR CLEARING AND GRUBBING.
11. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF LIMITS OF ACCESS ROAD.
12. BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL; INSTALL E&S BMPs 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 15 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK OR SILT FENCE. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
13. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
14. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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).
15. ONCE THE WORK WITHIN THIS AREA IS COMPLETE, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC AT THE RCE FROM THE TEMPORARILY IMPROVED SECTIONS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. E&S BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
16. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
17. 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 E&S BMPs. 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.
18. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, PROPERLY DISPOSE/RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
19. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
20. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



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NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



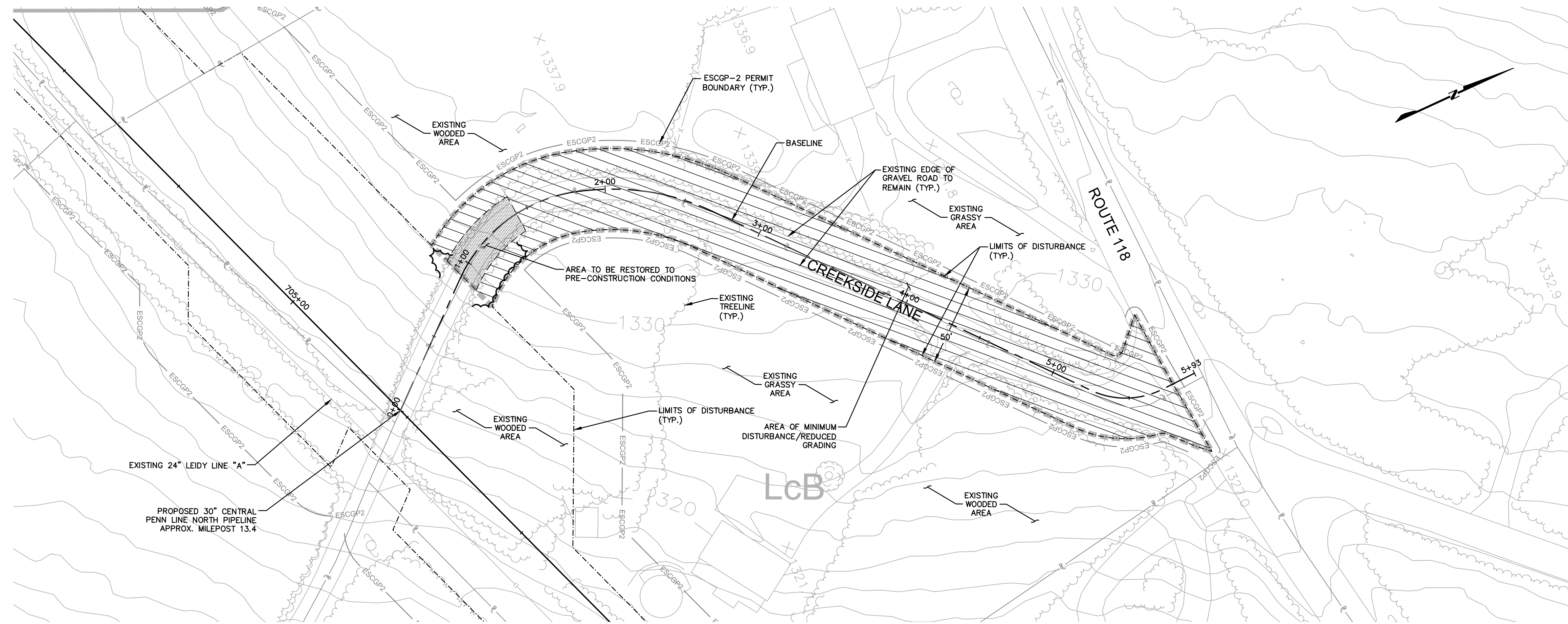
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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

ACCESS ROADS - SOIL EROSION CONTROL PLAN
EXISTING PERMANENT ACCESS ROAD AR-LU-009-1
ROSS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-009.1	SHEET 2 OF 3
W.O.:	W0161481					



ESCGP-2 PERMIT TABLE

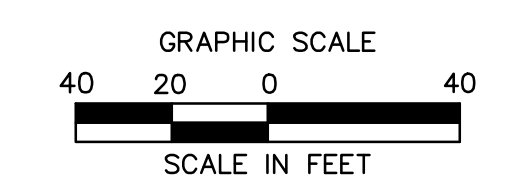
LIMIT OF DISTURBANCE	0.57 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.54 AC.
STORMWATER MANAGEMENT AREA	N/A
AREA CONTROLLED BY PERMANENT BMPS	N/A

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

RECEIVING WATERS

HUNTINGTON CREEK, HQ-CWF, MF
CHAPTER 303(D) IMPAIRMENT: NONE

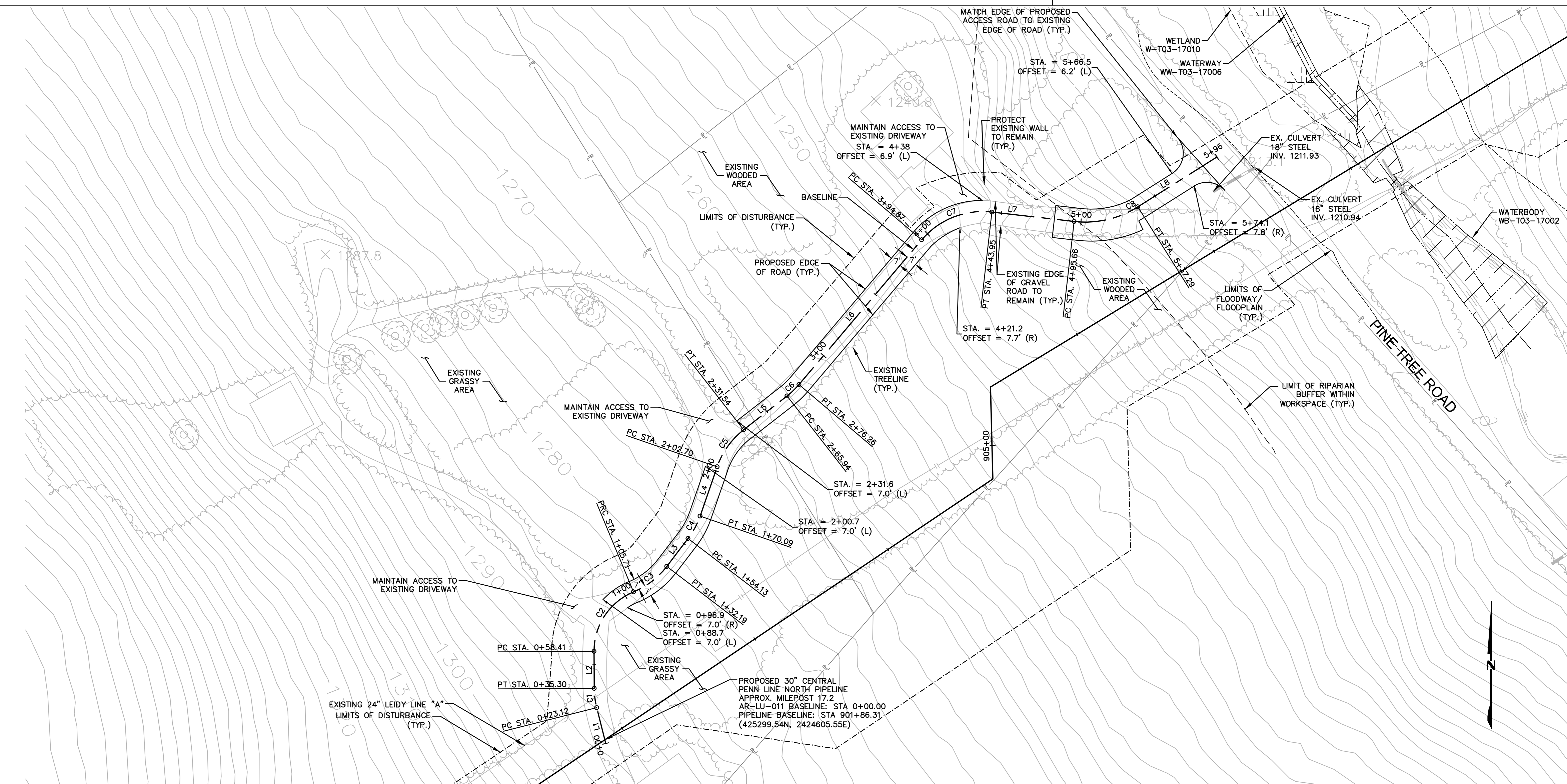


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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT- PROPOSED 30\"/>			
ACCESS ROADS - SITE RESTORATION PLAN			
EXISTING PERMANENT ACCESS ROAD AR-LU-009.1			
ROSS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
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ISSUED FOR CONSTRUCTION:		REVISION:	J
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		OF:	3



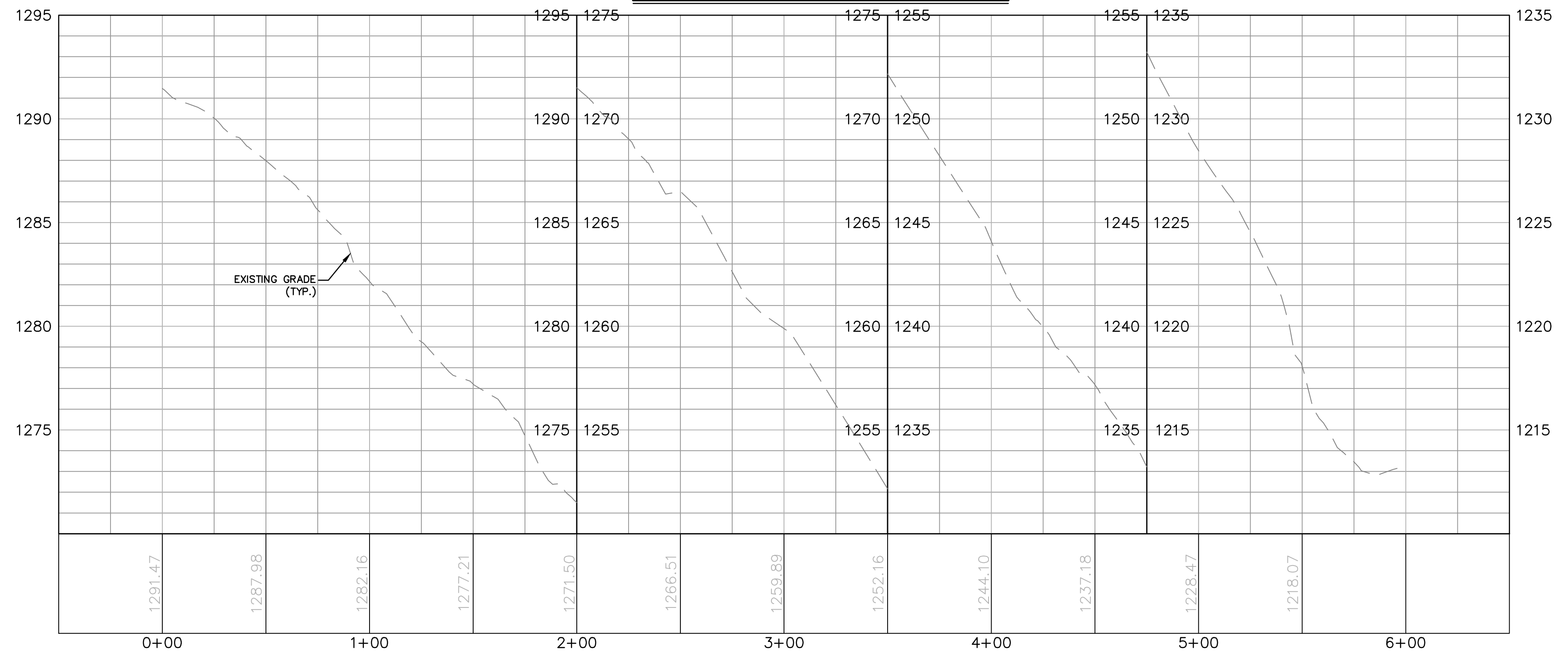
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SEE PCSM NOTES SHEET 3 OF 3 FOR
EXISTING AND PROPOSED FEATURES
LEGEND



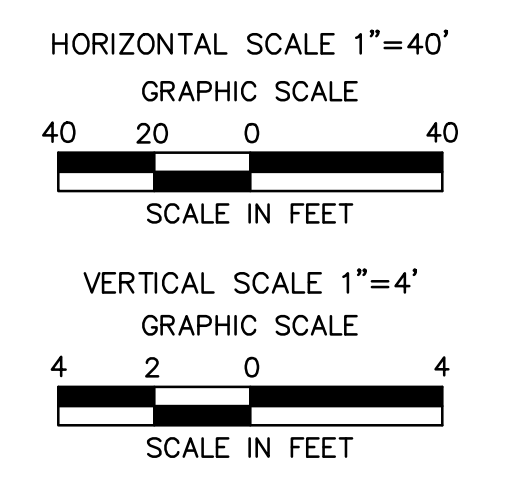
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L1	B 425297.24 E 425319.65	B 2424606.13 E 2424600.44	N14°14'47.06"W		23.12'		
C1	PC 425319.65 PI 425325.58 PT 425331.70	PC 2424600.44 PI 2424598.93 PT 2424598.90		13°57'09"	12.18'	6.12'	50.0'
L2	B 425331.70 E 425354.82	B 2424598.90 E 2424598.78	N01°7'38.20"W		23.11'		
C2	PC 425354.82 PI 425381.67 PT 425391.96	PC 2424598.78 PI 2424598.65 PT 2424623.45		67°45'12"	47.30'	26.86'	40.0'
C3	PC 425391.96 PI 425397.11 PT 425407.89	PC 2424623.45 PI 2424635.99 PT 2424644.22		30°20'32"	26.48'	13.56'	50.0'
L3	B 425407.89 E 425425.33	B 2424644.22 E 2424657.53	N37°21'08.26"E		21.94'		
C4	PC 425425.33 PI 425431.72 PT 425439.33	PC 2424657.53 PI 2424659.41 PT 2424665.04		18°17'15"	15.96'	8.05'	50.0'
L4	B 425439.33 E 425470.15	B 2424665.04 E 2424675.69	N19°03'53.37"E		32.61'		
C5	PC 425470.15 PI 425484.17 PT 425493.28	PC 2424675.69 PI 2424680.54 PT 2424692.25		33°02'55"	28.84'	14.83'	50.0'
L5	B 425493.28 E 425514.41	B 2424692.25 E 2424719.40	N52°06'48.54"E		34.40'		
C6	PC 425514.41 PI 425517.59 PT 425521.54	PC 2424719.40 PI 2424723.48 PT 2424726.83		11°49'32"	10.32'	5.18'	50.0'
L6	B 425521.54 E 425612.01	B 2424726.83 E 2424803.53	N40°17'16.43"E		118.61'		
C7	PC 425612.01 PI 425632.40 PT 425629.36	PC 2424803.53 PI 2424820.81 PT 2424847.35		56°14'22"	49.08'	26.72'	50.0'
L7	B 425629.36 E 425623.48	B 2424847.35 E 2424898.73	S83°28'21.78"E		51.71'		
C8	PC 425623.48 PI 425621.02 PT 425632.57	PC 2424898.73 PI 2424920.23 PT 2424938.54		38°45'51"	41.63'	21.65'	61.5'
L8	B 425632.57 E 425663.78	B 2424938.54 E 2424988.04	N57°45'46.98"E		58.51'		

AR-LU-011 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
0+88	4+15	A

ACCESS ROAD LAYOUT

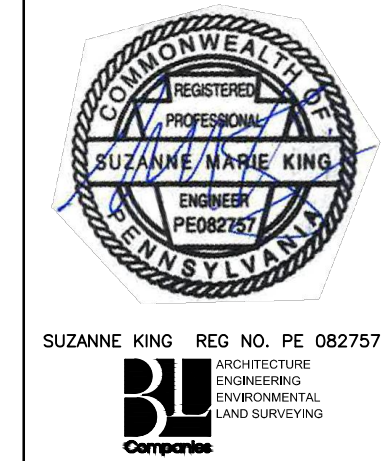


ACCESS ROAD PROFILE



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Drawing Location & Name: C:\DBS1\14c\14c4909\DWG\010-CPLAN\AR_PP14c4909(10)-TLU-011.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



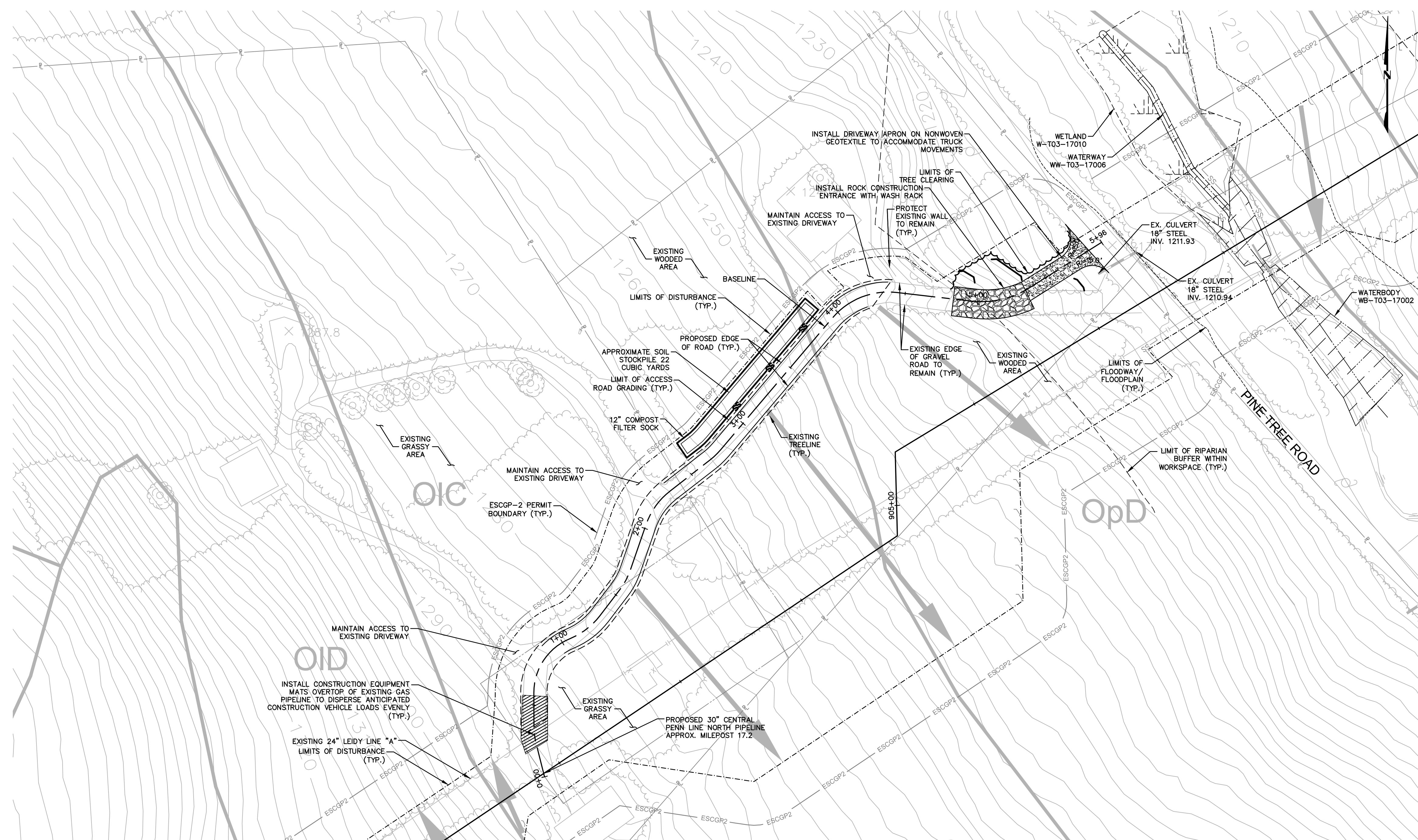
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK	
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK	

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-LU-011
LAKE TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

WILLIAMS
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	AS NOTED
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-011	SHEET 1 OF 3
W.O.:	W0161481					



NOTE:

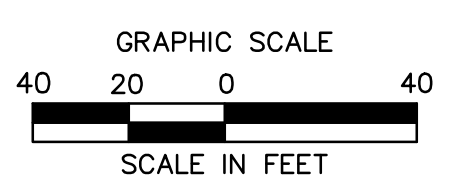
1. ACCESS ROAD IS LOCATED ENTIRELY WITHIN PIPELINE ROW. SEE PIPELINE E&S ALIGNMENT SHEETS FOR E&S MEASURES.

NOTE:

INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.

ROAD SPECIFIC CONSTRUCTION SEQUENCE:

- AT LEAST 7 DAYS PRIOR TO STARTING ANY 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 ANY 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 WOODLANDS AND WETLANDS TO BE PRESERVED.
- LOCATE STAGING AREAS AND ACCESS POINTS INCLUDING THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
- PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
- INSTALL THE ROCK CONSTRUCTION ENTRANCES WITH WASH RACK AND GRAVEL DRIVEWAY APRON.
- INSTALL CONSTRUCTION MATS OVER EXISTING PIPELINE CROSSING.
- REMOVE BRUSH TO EFFECTIVELY INSTALL E&S BMPs, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF E&S BMPs ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- INSTALL E&S BMPs AS DEPICTED ON THE E&S PLAN.
- THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
- 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.
- BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL. INSTALL E&S BMPs AROUND STOCKPILES. SOIL STOCKPILE AREAS TO SUPPORT THE ACCESS ROADS SHALL BE LOCATED WITHIN THE AREA OF MINIMUM DISTURBANCE REDUCED GRADING OF THE SAME ACCESS ROAD THAT THE TOPSOIL WAS STRIPPED, OR WITHIN THE PIPELINE LIMIT OF DISTURBANCE. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK OR SILT FENCE. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
- GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
- UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, WHICH TEMPORARILY MINIMIZES ACCELERATED EROSION AND SEDIMENTATION. TEMPORARY STABILIZATION WILL NOT OCCUR ON ACTIVE VEHICULAR TRAVEL WAYS WITHIN THE LIMIT OF DISTURBANCE. 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 SECTIONS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
- LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs 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 E&S BMPs. 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.
- UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE/RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
- COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



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Drawing Location & Name: C:\DBS1\14c\14c4909.DWG\010-CPLM\AR_EC_4c4909(10)-TLU-011.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



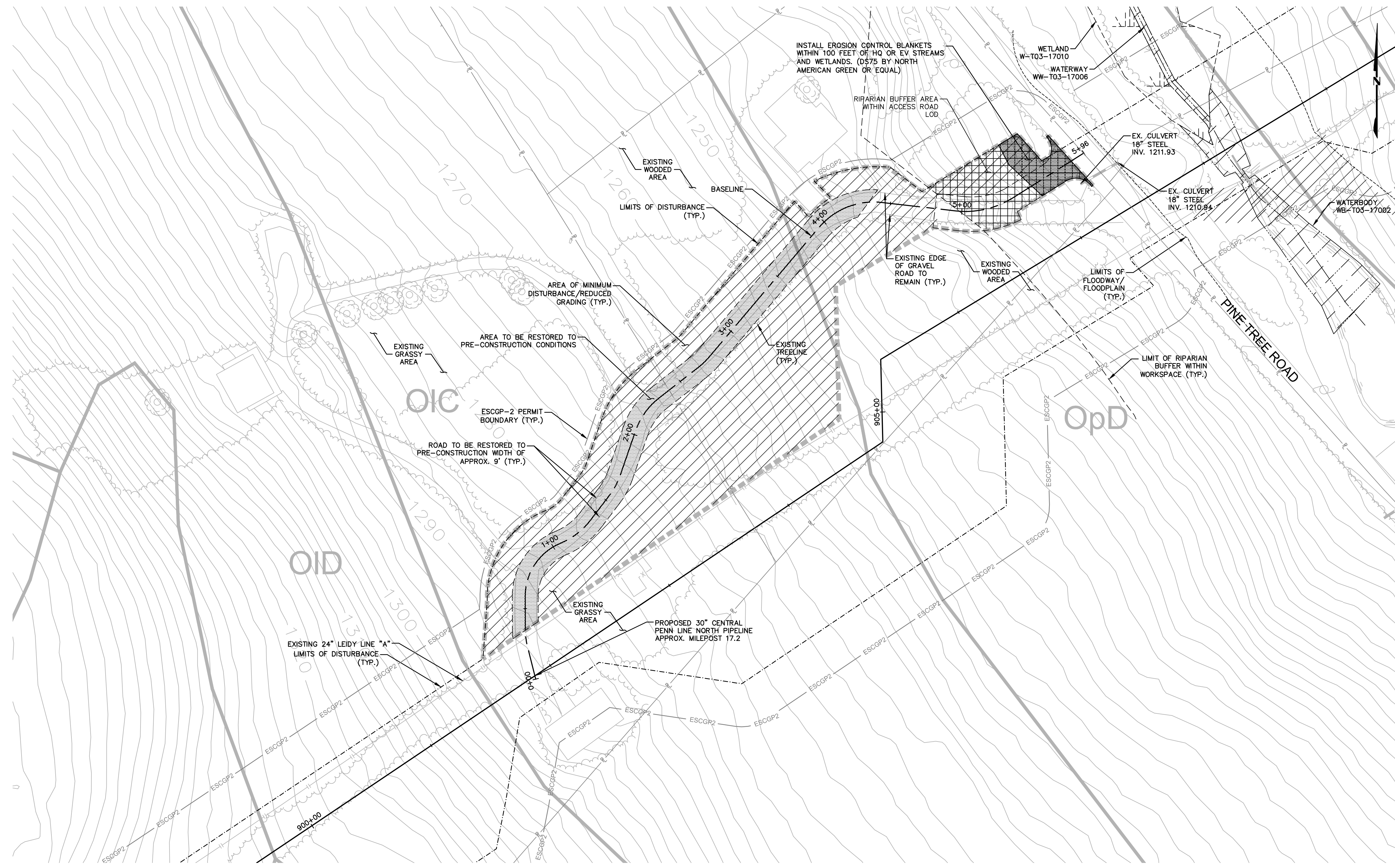
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL		1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1		1161481	DAK SMK

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-LU-011
LAKE TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

WILLIAMS
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-011	SHEET 2 OF 3
W.D.:	W01161481					



ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	0.83 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.08 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.67 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPS	N/A**

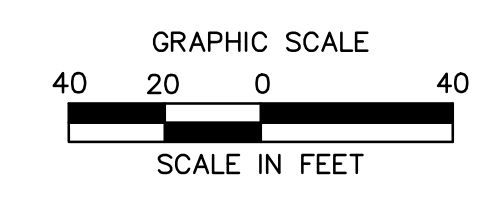
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

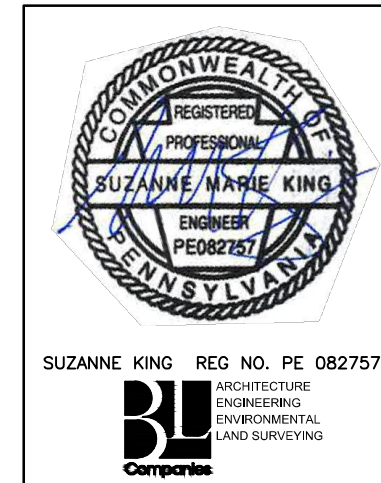
SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

RECEIVING WATERS

UNT TO PAINT SPRING RUN, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE



NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND



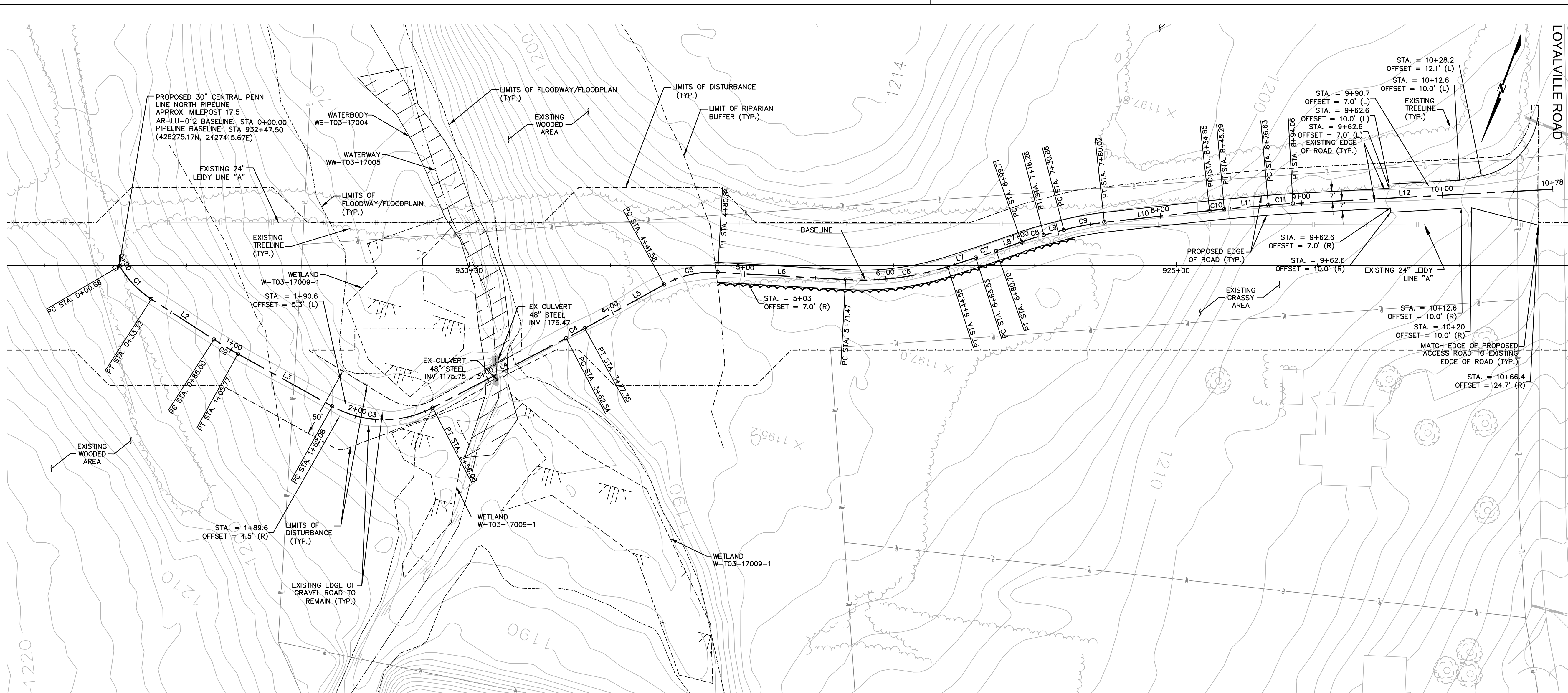
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2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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

ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-011
LAKE TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

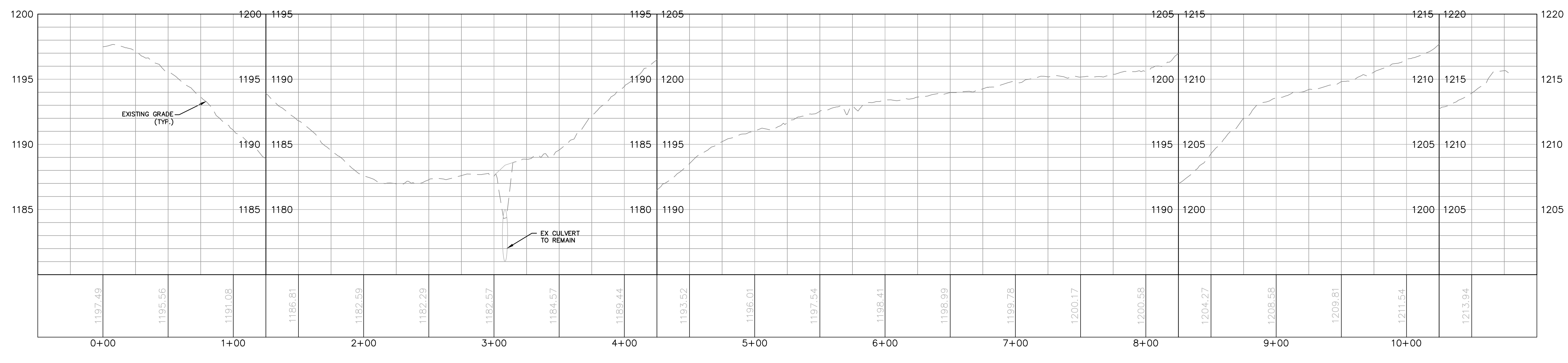
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APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-011	SHEET 3 OF 3
W.O.:	W01161481					

Drawn By & Date/Time: noneocuser Nov 12, 2016 - 8:58pm
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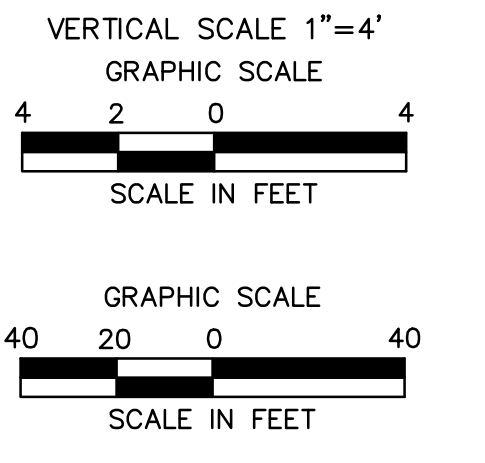


AR-LU-012 ALIGNMENT							
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 426275.17 E 2427415.67	B 2427415.67 E 2427415.20	N45°45'46.55"W		0.66'		
C1	PC 426275.63 PI 426287.24 PT 426292.24	PC 2427415.20 PI 2427403.28 PT 2427387.42		26°43'58"	32.66'	16.63'	70.0'
L2	B 426292.24 E 2426308.08	B 2427387.42 E 2427337.18	N72°29'44.87"W		52.68'		
C2	PC 426308.08 PI 426311.06 PT 426313.41	PC 2427337.18 PI 2427327.74 PT 2427318.13		3°46'38"	19.78'	9.89'	300.0'
L3	B 426313.41 E 2426331.51	B 2427318.13 E 2427244.01	N76°16'22.49"W		76.30'		
C3	PC 426331.51 PI 426341.08 PT 426313.68	PC 2427244.01 PI 2427204.83 PT 2427175.25		56°32'03"	74.00'	40.33'	75.0'
L4	B 426313.68 E 2426241.34	B 2427175.25 E 2427097.15	S47°11'35.01"W		106.45'		
C4	PC 426241.34 PI 426236.31 PT 426231.14	PC 2427097.15 PI 2427081.31 PT 2427086.40		1°24'54"	14.82'	7.41'	600.0'
L5	B 426231.14 E 2426186.35	B 2427086.40 E 2427040.37	S45°46'40.88"W		64.22'		
C5	PC 426186.35 PI 426172.28 PT 426168.06	PC 2427040.37 PI 2427025.92 PT 2427006.21		32°08'25"	39.27'	20.16'	70.0'
L6	B 426168.06 E 2426149.09	B 2427006.21 E 2426917.59	S77°55'06.04"W		90.63'		
C6	PC 426149.09 PI 426141.36 PT 426121.22	PC 2426917.59 PI 2426881.45 PT 2426850.47		20°56'11"	73.08'	36.95'	200.0'
L7	B 426121.22 E 2426109.79	B 2426850.47 E 2426832.88	S56°58'55.29"W		20.98'		
C7	PC 426109.79 PI 426105.66 PT 426101.34	PC 2426832.88 PI 2426826.52 PT 2426820.29		1°44'17"	15.17'	7.58'	500.0'
L8	B 426101.34 E 2426090.50	B 2426820.29 E 2426804.67	S55°14'37.93"W		19.01'		
C8	PC 426090.50 PI 426085.28 PT 426081.63	PC 2426804.67 PI 2426797.98 PT 2426790.69		4°44'28"	16.55'	8.28'	200.0'
L9	B 426081.63 E 426074.33	B 2426790.69 E 2426778.05	S59°59'05.49"W		14.60'		
C9	PC 426074.33 PI 426067.02 PT 426061.63	PC 2426778.05 PI 2426765.41 PT 2426751.83		8°21'11"	29.16'	14.60'	200.0'
L10	B 426061.63 E 426034.01	B 2426751.83 E 2426682.28	S68°20'16.00"W		74.84'		
C10	PC 426034.01 PI 426032.08 PT 426030.26	PC 2426682.28 PI 2426677.43 PT 2426672.54		1°11'47"	10.44'	5.22'	500.0'
L11	B 426030.26 E 426019.30	B 2426672.54 E 2426654.18	S69°32'03.01"W		31.34'		
C11	PC 426019.30 PI 426016.25 PT 426013.49	PC 2426654.18 PI 2426635.07 PT 2426626.75		1°59'49"	17.43'	8.71'	500.0'
L12	B 426013.49 E 425955.18	B 2426626.75 E 2426452.16	S71°31'52.38"W		184.07'		

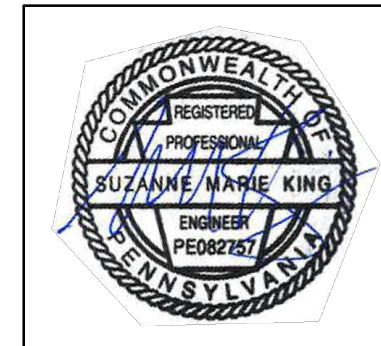
ACCESS ROAD LAYOUT



AR-LU-012 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
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ACCESS ROAD PROFILE



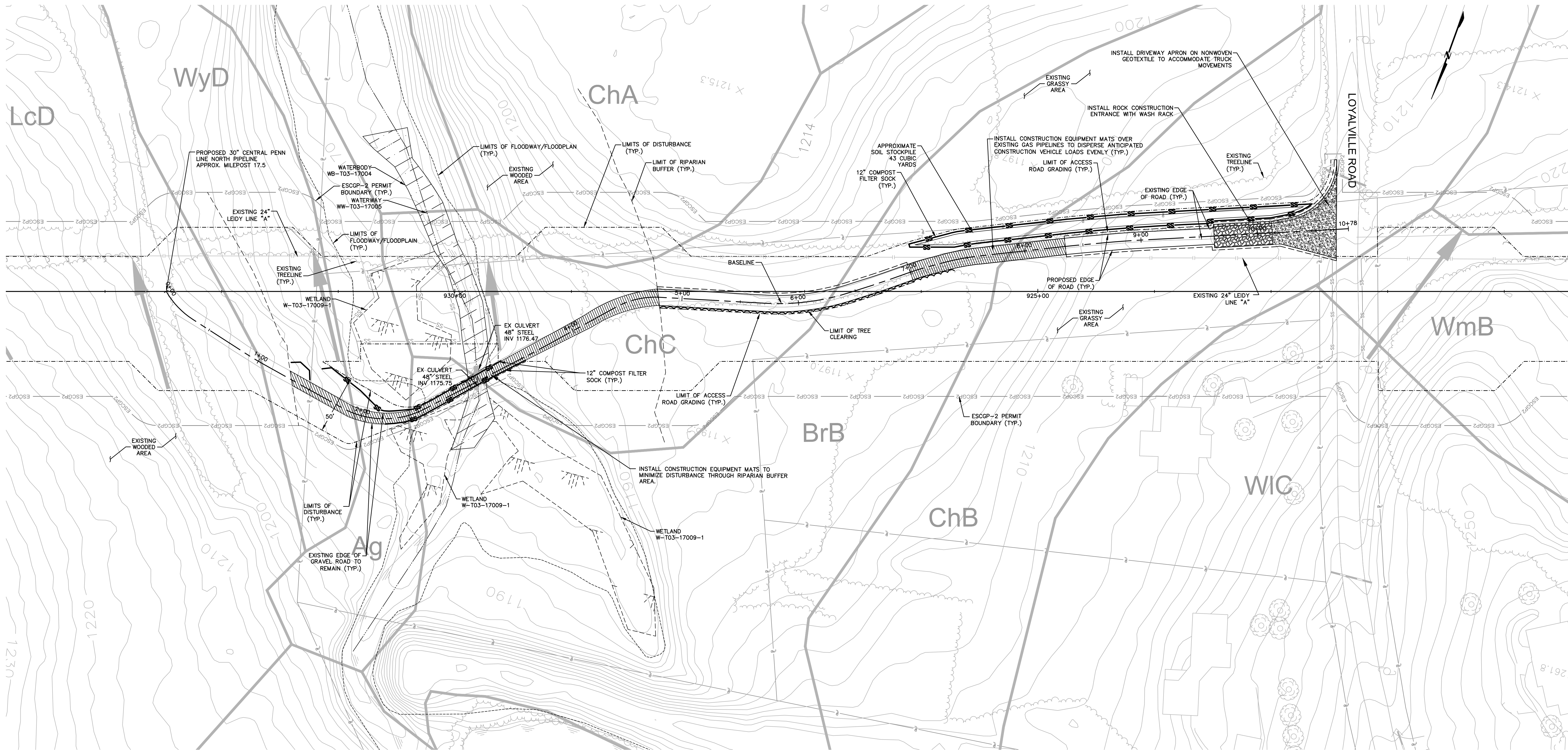
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1

TRANSCONTINENTAL GAS PIPELINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NDRTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED TEMPORARY ACCESS ROAD AR-LU-012			
LAKE TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
NO.	W0161481	DRAWING NUMBER	24-1601-70-28-A/ 1603_3-AR-LU-012
SCALE:	AS NOTED	REVISION:	J
SHEET	1	OF	3

Drawn By & Date/Time: Norwooduser Nov 13, 2016 - 4:58pm
Drawing Location & Name: C:\DBS1\14\1404909.DWG\010-CPLAN\AR_PP_1404909(10)-TLU-012.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND





ROAD SPECIFIC CONSTRUCTION SEQUENCE:

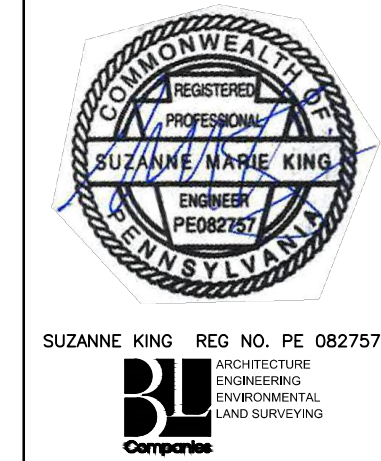
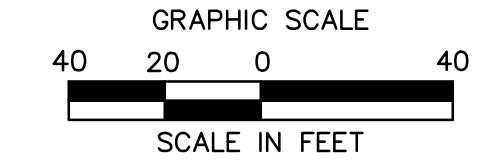
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2. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1176 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. HOLD 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, CULVERTS, 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 WITH WASH RACK. INSTALL E&S BMPs DOWN SLOPE OF THESE AREAS.
7. PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
8. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK AND GRAVEL DRIVEWAY APRON.
9. INSTALL CONSTRUCTION MATS OVER EXISTING PIPELINE CROSSING AND OVER EXISTING CULVERT, ROADWAY, AND WETLAND AREA AS SHOWN ON PLANS.
10. REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER CONTROLS. LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
11. INSTALL PERIMETER E&S BMPs AS DEPICTED ON THE E&S PLAN.
12. APPLY STABILIZATION MEASURES IMMEDIATELY TO ANY DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF E&S BMPs.
13. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
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 E&S BMPs 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 LIMIT OF DISTURBANCE. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SIDE SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK OR SILT FENCE. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK 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 (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
19. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A. MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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).
20. ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL EXCESS GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
21. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
22. 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 E&S BMPs. 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.
23. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
24. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
25. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.

NOTE:

1. ACCESS ROAD IS LOCATED ENTIRELY WITHIN PIPELINE ROW. SEE PIPELINE E&S ALIGNMENT SHEETS FOR E&S MEASURES.

NOTE:

INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.



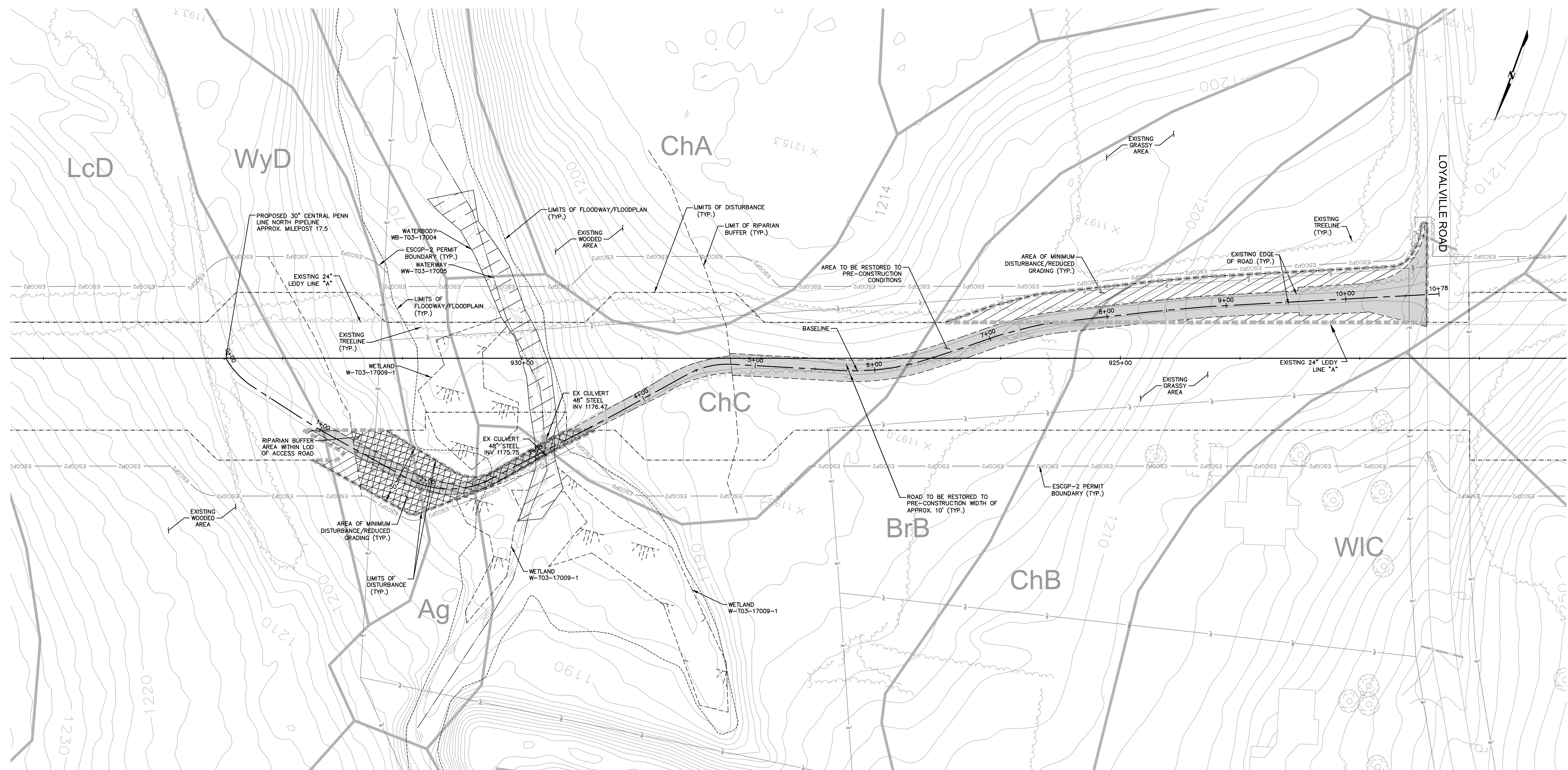
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NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK. APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK SMK
1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK

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-LU-012
 LAKE TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

DRAWN BY: OLC	DATE: 4/2015	ISSUED FOR BID:	SCALE: 1"=40'
CHECKED BY: DAK	DATE: 06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY: SMK	DATE: 07/07/15	DRAWING NUMBER: 24-1601-70-28-A/ 1683_3-AR-LU-012	SHEET 2 OF 3
W.O. W01161481			

Drawing Location & Name: C:\DBS14\14c\14c4909.DWG(010-CPLM\AR_EC_4C4909(10)-TLU-012.dwg
 Drawing Date/Time: Nov 12, 2016 - 7:52pm
 Drawing Location & Name: C:\DBS14\14c\14c4909.DWG(010-CPLM\AR_EC_4C4909(10)-TLU-012.dwg



ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	0.46 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.02 AC.
AREA OF RIPARIAN FOREST BUFFER	0.12 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.30 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMP'S	N/A**

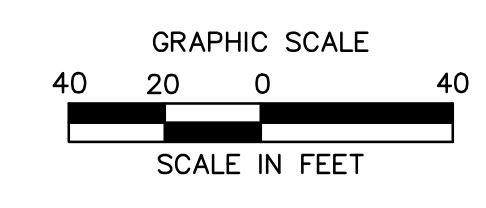
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

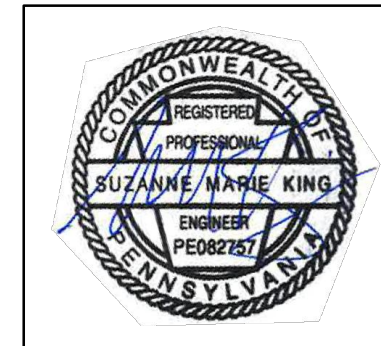
SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

RECEIVING WATERS

PAINT SPRING RUN, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE



NOTE: SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND



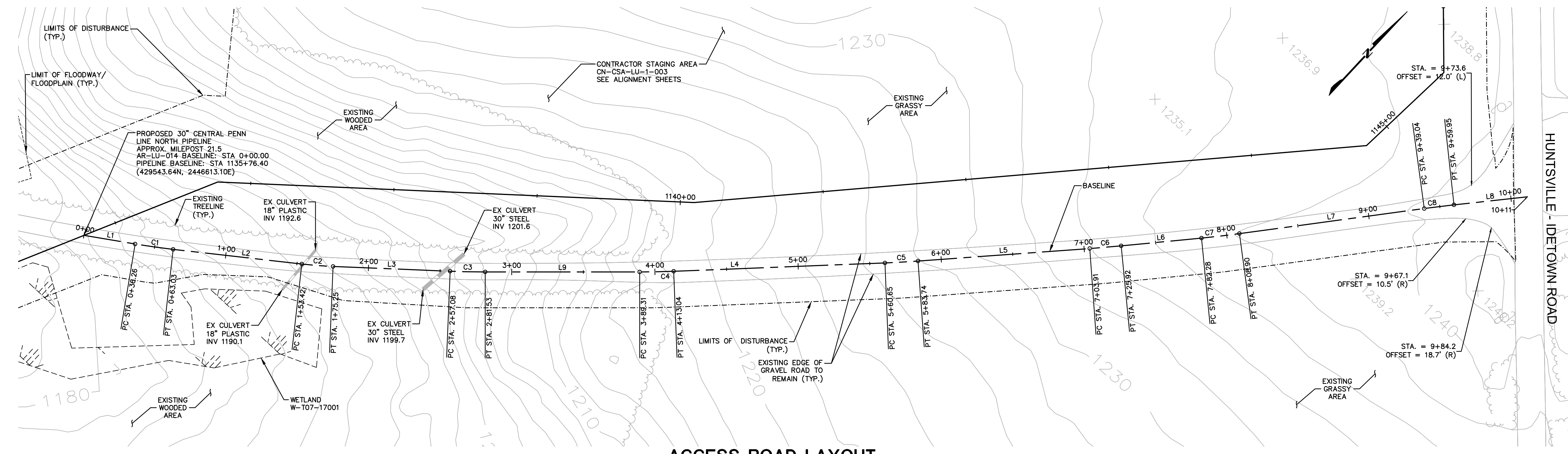
SUZANNE KING REG. NO. PE 082757
 ARCHITECTURE
 ENGINEERING
 ENVIRONMENTAL
 LAND SURVEYING

REVISIONS						
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

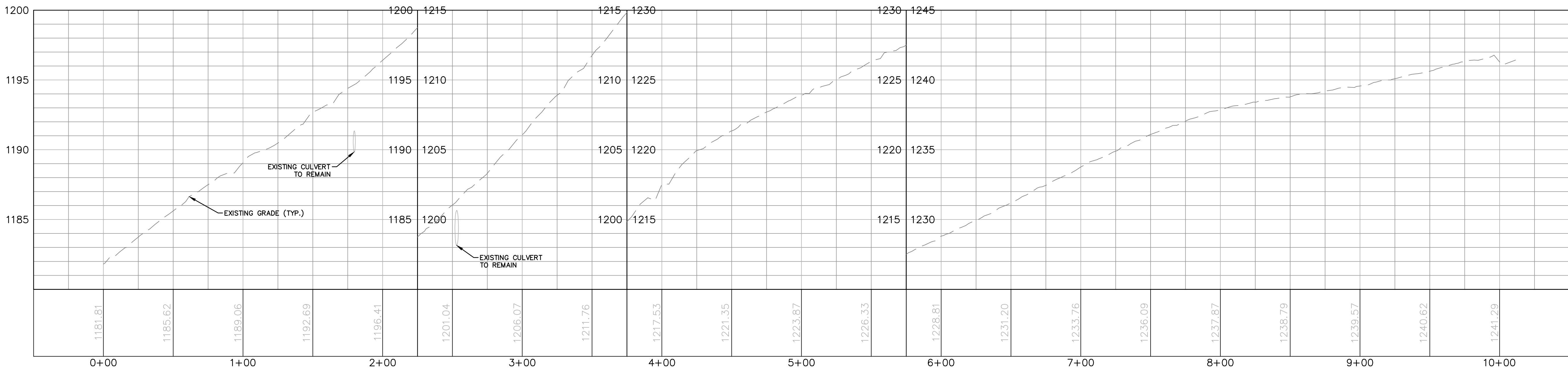
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC					
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH					
ACCESS ROADS - SITE RESTORATION PLAN					
PROPOSED TEMPORARY ACCESS ROAD AR-LU-012					
LAKE TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA					
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE: 1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION: J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-012
W.O.:	W01161481				SHEET 3 OF 3



Drawn By & Date/Time: nonocaduser Nov 12, 2016 - 9:00pm
 Drawing Location & Name: G:\DBS1\14\14c4909.DWG(010-CPLM)AR_PCSM14C4909(10)-TLU-012.dwg



ACCESS ROAD LAYOUT

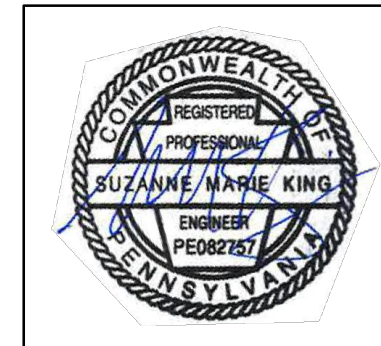


ACCESS ROAD PROFILE

AR-LU-014						
No.	Northing	Eastng	Bearing	Delta(Δ)	Length	Tangent Radius
L1	B 429543.64 E 429563.61	B 2446613.10 E 2446643.36	N56°33'44.46"E		36.26'	
C1	PC 429563.61 PI 429570.99 PT 429578.96	PC 2446643.36 PI 2446654.53 PT 2446665.29		3'04"06"	26.78'	13.39' 500.0'
L2	B 429578.96 E 429632.73	B 2446665.29 E 2446737.95	N53°29'38.92"E		90.39'	
C2	PC 429632.73 PI 429639.23 PT 429646.35	PC 2446737.95 PI 2446746.73 PT 2446755.01		4'10"08"	21.83'	10.92' 300.0'
L3	B 429646.35 E 429699.68	B 2446755.01 E 2446817.07	N49°19'30.69"E		81.83'	
C3	PC 429699.68 PI 429707.65 PT 429715.99	PC 2446817.07 PI 2446826.34 PT 2446835.29		2'20"06"	24.45'	12.23' 600.0'
L9	B 429715.99 E 429789.51	B 2446835.29 E 2446914.10	N46°59'24.44"E		107.78'	
C4	PC 429789.51 PI 429797.60 PT 429806.04	PC 2446914.10 PI 2446922.77 PT 2446931.13		2'15"59"	23.73'	11.87' 600.0'
L4	B 429806.04 E 429910.91	B 2446931.13 E 2447034.99	N44°43'25.00"E		147.61'	
C5	PC 429910.91 PI 429919.11 PT 429927.58	PC 2447034.99 PI 2447043.12 PT 2447050.97		1'53"24"	23.09'	11.55' 700.0'
L5	B 429927.58 E 430015.70	B 2447050.97 E 2447132.67	N42°50'00.82"E		120.17'	
C6	PC 430015.70 PI 430023.77 PT 430032.03	PC 2447132.67 PI 2447140.15 PT 2447147.43		1'24"04"	22.01'	11.01' 900.0'
L6	B 430032.03 E 430074.28	B 2447147.43 E 2447184.73	N41°25'56.42"E		56.36'	
C7	PC 430074.28 PI 430084.28 PT 430094.57	PC 2447184.73 PI 2447193.54 PT 2447201.96		2'10"43"	26.62'	13.31' 700.0'
L7	B 430094.57 E 430195.35	B 2447201.96 E 2447284.31	N39°15'13.41"E		130.15'	
C8	PC 430195.35 PI 430203.45 PT 430211.37	PC 2447284.31 PI 2447290.93 PT 2447297.75		1'29"51"	20.91'	10.46' 800.0'
L8	B 430211.37 E 430250.41	B 2447297.75 E 2447331.40	N40°45'04.54"E		51.55'	

NOTE:
EXISTING ROAD IS TO BE USED DURING CONSTRUCTION; THEREFORE, NO PROPOSED ROADWAY SECTION IS PROVIDED. MAINTAIN EXISTING ASPHALT ACCESS ROAD AND ADD AASHTO #87 STONE TO ROADWAY SURFACE AS NECESSARY IN AREAS SHOWING SIGNS OF EROSION (I.E. THINNING OF GRAVEL, GRAVEL WASHOUT, DEPRESSIONS, ETC.) IN ORDER TO RE-ESTABLISH STABLE ROADWAY SURFACE.

Drawn By & Date/Time: Norwooduser Nov 13, 2016 - 5:01pm
Drawing Location & Name: G:\0851A\14c\14c4909.DWG(010)-CPUM\AR_PP140909(10)-TLU-014.dwg



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

REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D.	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
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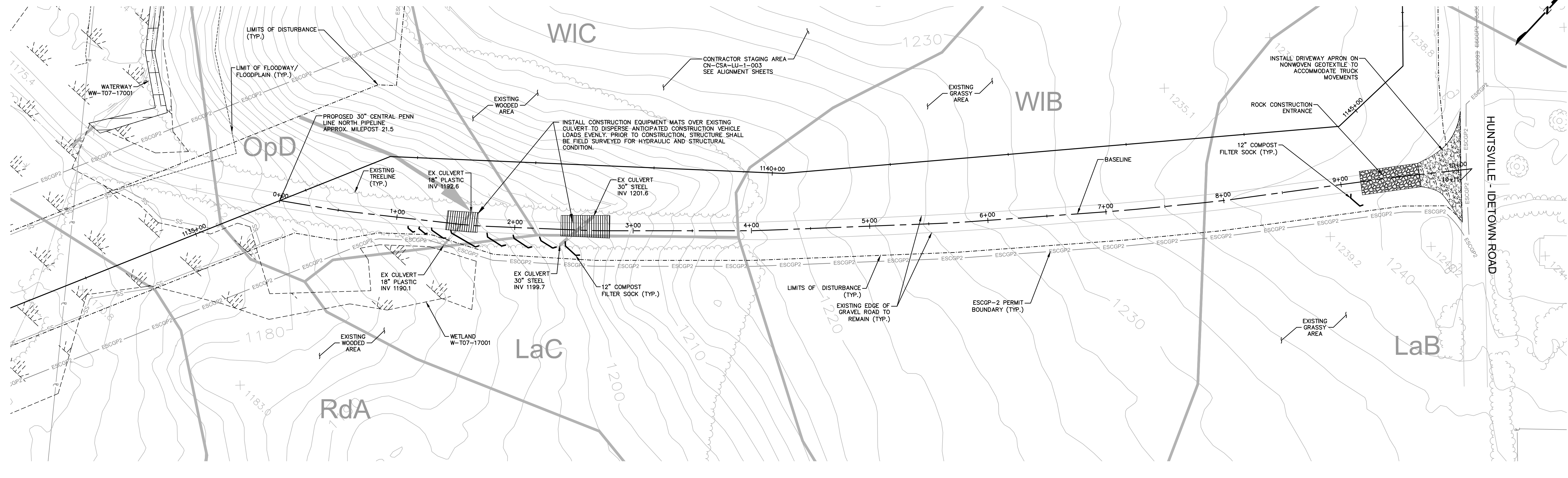
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH

ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
PROPOSED TEMPORARY ACCESS ROAD AR-LU-014
LEHMAN TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	AS NOTED
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-014	SHEET 1 OF 3
W.D.:	W0161481					

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



ROAD SPECIFIC CONSTRUCTION SEQUENCE:

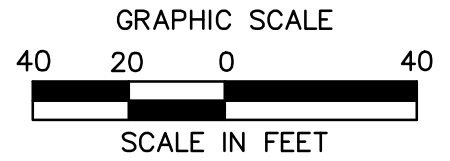
1. AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, ENVIRONMENTAL INSPECTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL 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.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY 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, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
7. PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
8. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK AND DRIVEWAY APRON ON NONWOVEN GEOTEXTILE AND GRAVEL SURFACING WHERE INDICATED IN THE E&S PLANS.
9. INSTALL CONSTRUCTION MATS OVER EXISTING CULVERTS.
10. REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER E&S BMPs. LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
11. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER E&S BMPs.
12. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
13. PROCEED WITH MAJOR CLEARING AND GRUBBING.
14. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF LIMITS OF ACCESS ROAD.
15. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NO.), INCLUDING ANY ROAD BASED DIPS. 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.
16. IMMEDIATELY STABILIZE THE ACCESS ROAD WITH GEOTEXTILE AND GRAVEL SURFACING WHERE INDICATED IN THE E&S PLANS.
17. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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).
18. ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
19. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
20. 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 E&S BMPs. 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.
21. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING PERIMETER SEDIMENT BARRIER, PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
22. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
23. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.

NOTE:

INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.

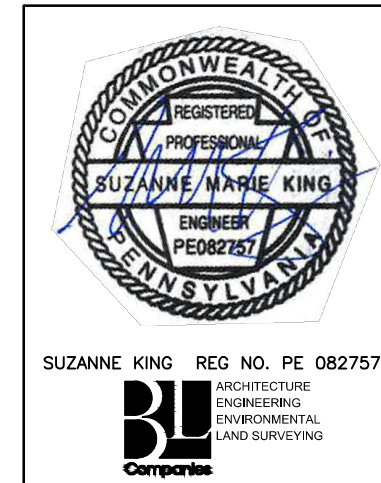
NOTE:

1. ACCESS ROAD IS LOCATED ENTIRELY WITHIN PIPELINE ROW. SEE PIPELINE E&S ALIGNMENT SHEETS FOR ADDITIONAL E&S MEASURES.



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Drawing Location & Name: G:\DBS14\1404909\DWG\010-CPL\VAR_EC_4C4909(10)-TLU-014.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

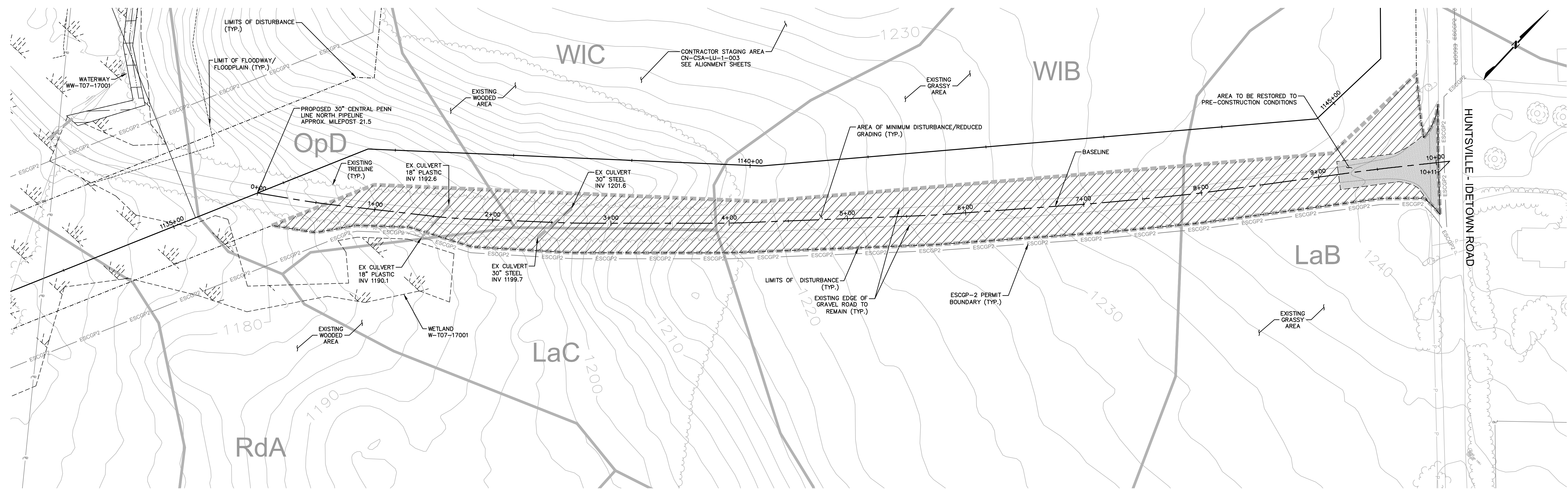


REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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-LU-014
LEHMAN TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-014	SHEET 2 OF 3
W.O.:	W0161481					



ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	1.06 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	1.00 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMFS	N/A**

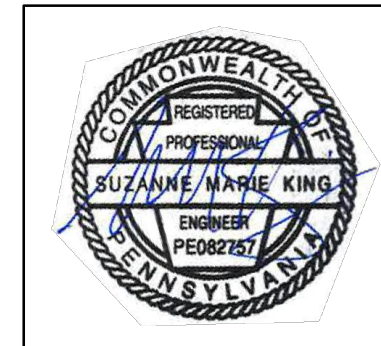
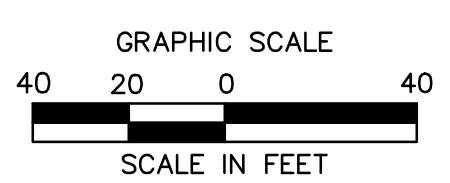
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

RECEIVING WATERS

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



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

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

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

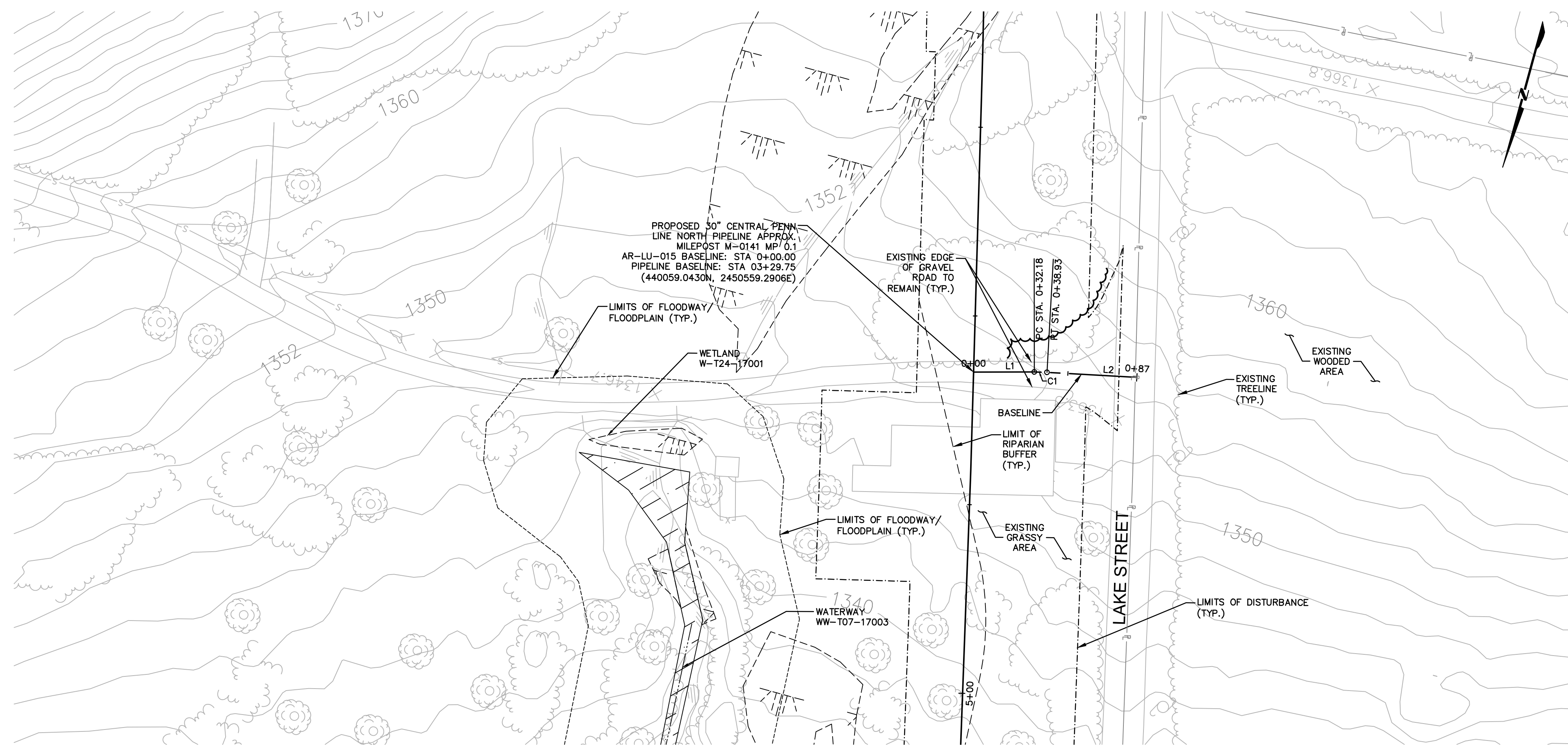
ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-014
LEHMAN TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

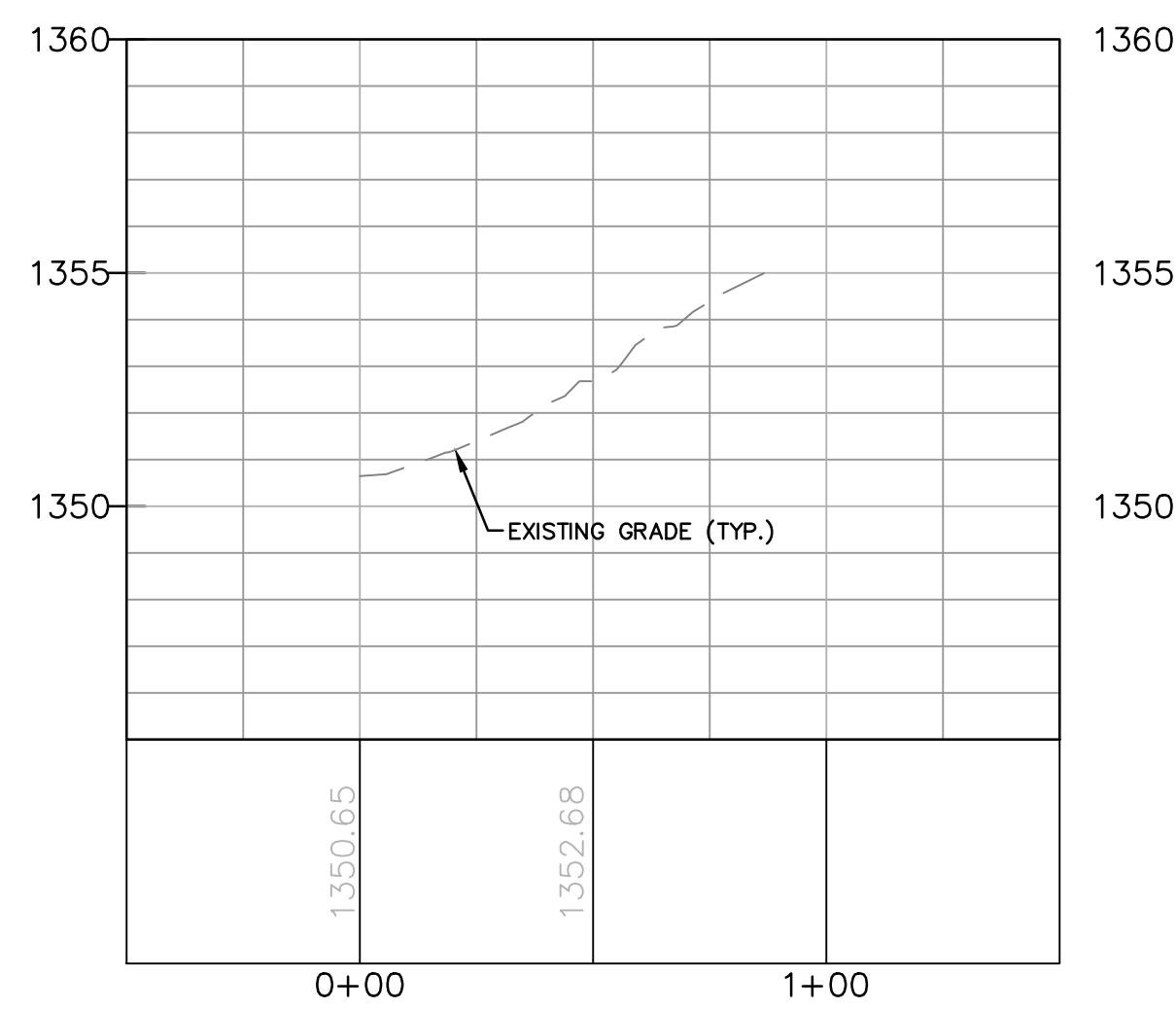
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-014	SHEET 3 OF 3
W.O.:	W0161481					

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

Drawn By & Date/Time: nonocaduser Nov 12, 2016 - 9:04pm
Drawing Location & Name: G:\DBS1\14\14c\4909\DWG\010-CPLAN\AR_PCSM\4C4909(10)-TLU-014.dwg



ACCESS ROAD LAYOUT



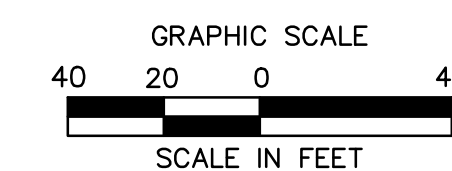
ACCESS ROAD PROFILE

AR-LU-015							
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 440059.04 E 440050.49	B 2450559.29 E 2450528.27	S74°35'27.35"W		32.18'		
C1	PC 440050.49 PI 440049.60 PT 440048.88	PC 2450528.27 PI 2450525.01 PT 2450521.71		3°15'04"	6.75'	3.38'	119.0'
L2	B 440048.88 E 440038.85	B 2450521.71 E 2450475.13	S77°50'31.30"W		47.65'		

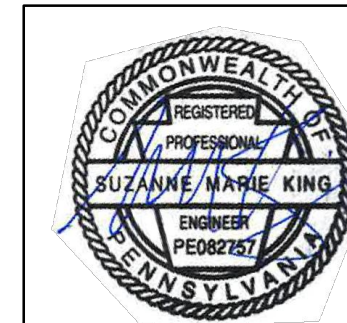
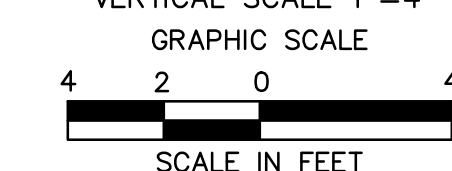
NOTE:

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

HORIZONTAL SCALE 1"=40'



VERTICAL SCALE 1"=4'



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

REVISIONS						
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	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-LU-015
 DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	AS NOTED
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-015	SHEET 1 OF 3
W.O.:	W01161481					

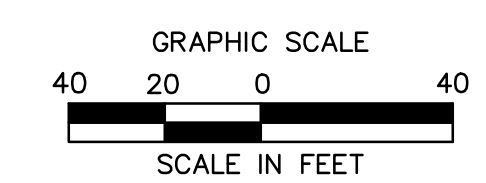
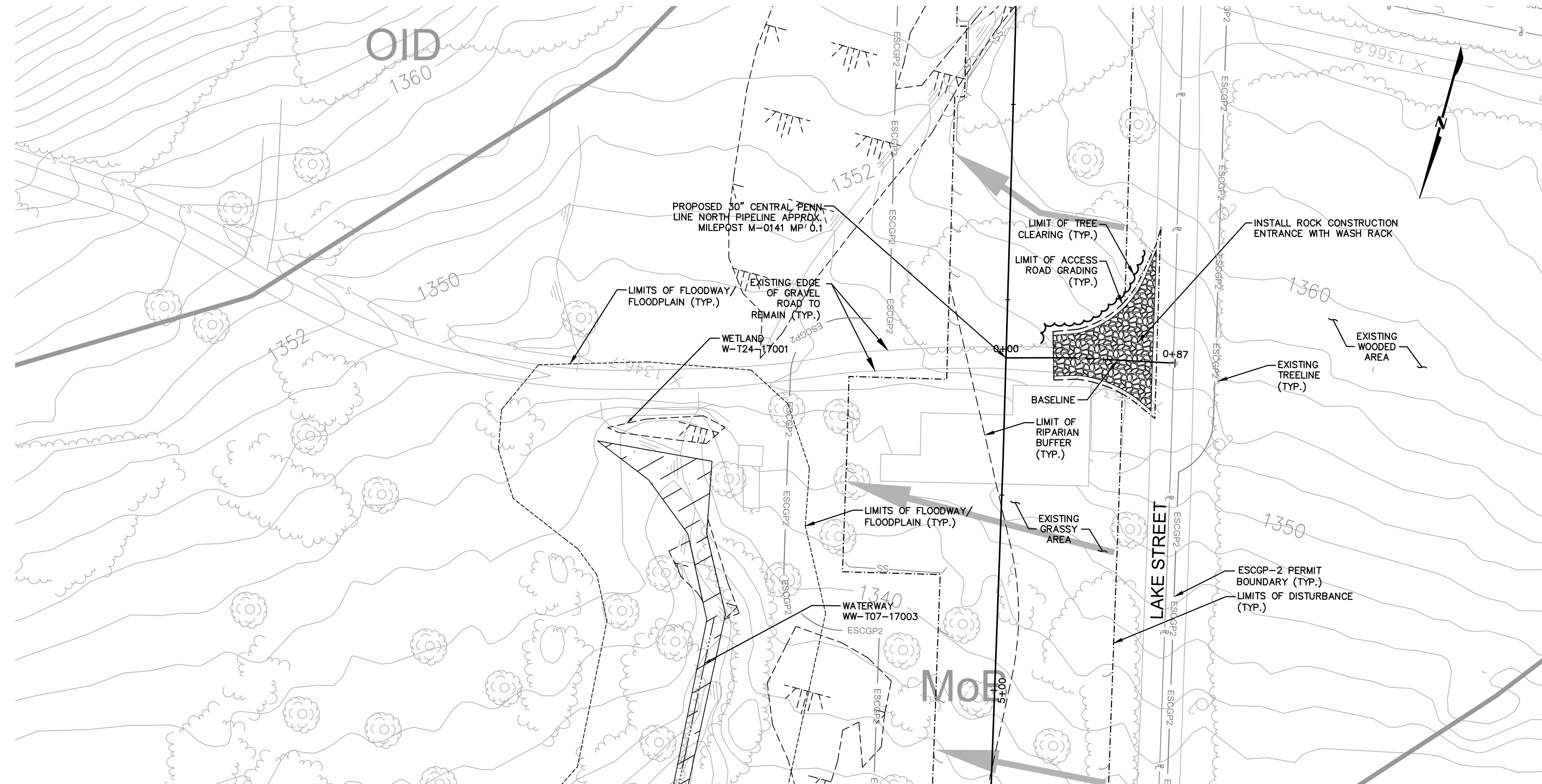
NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4
 (TYPICAL SECTION) FOR EXISTING AND
 PROPOSED FEATURES LEGEND

NOTE:

INSTALL BRIDGE EQUIPMENT CROSSINGS, RATHER THAN TIMBER MATTING, OVER EXISTING CULVERTS WITH LESS THAN MINIMUM COVER OVER THE PIPE OR THAT SHOW SIGNS OF LOSS OF STRUCTURAL INTEGRITY, SUCH AS CRACKING OR SPALLING.

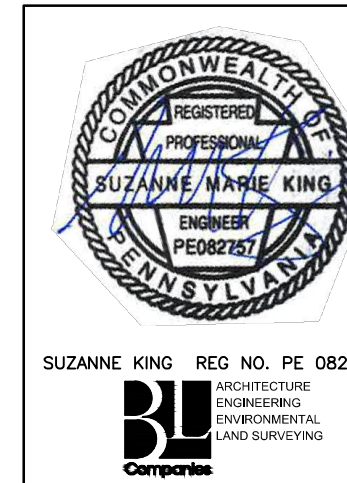
ROAD SPECIFIC CONSTRUCTION SEQUENCE:

1. AT LEAST 7 DAYS PRIOR TO STARTING ANY 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.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1176 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, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
7. PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
8. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK.
9. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
10. PROCEED WITH MAJOR CLEARING AND GRUBBING.
11. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF LIMITS OF ACCESS ROAD.
12. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
13. IMMEDIATELY STABILIZE THE ACCESS ROAD WITH GEOTEXTILE AND GRAVEL SURFACING WHERE INDICATED IN THE E&S PLANS.
14. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE E&S BMP, 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).
15. ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. E&S BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
16. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
17. 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 E&S BMPs. 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.
18. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
19. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
20. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY E&S BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



Drawn By & Date/Time: Norwooduser Nov 12, 2016 - 8:00pm
Drawing Location & Name: C:\DBS1\14c\14c4909.DWG\010-CPLAN\AR_EC_4c4909(10)-TLU-015.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



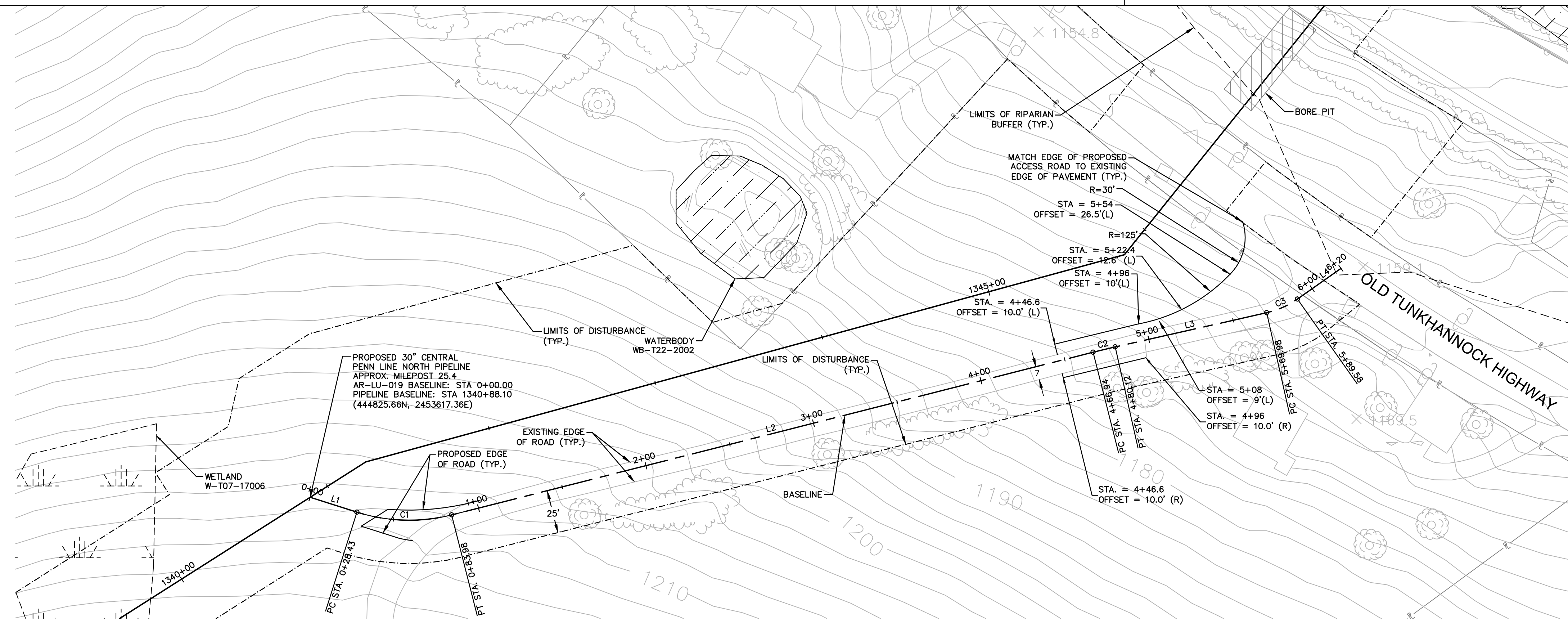
REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
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2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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-LU-015
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

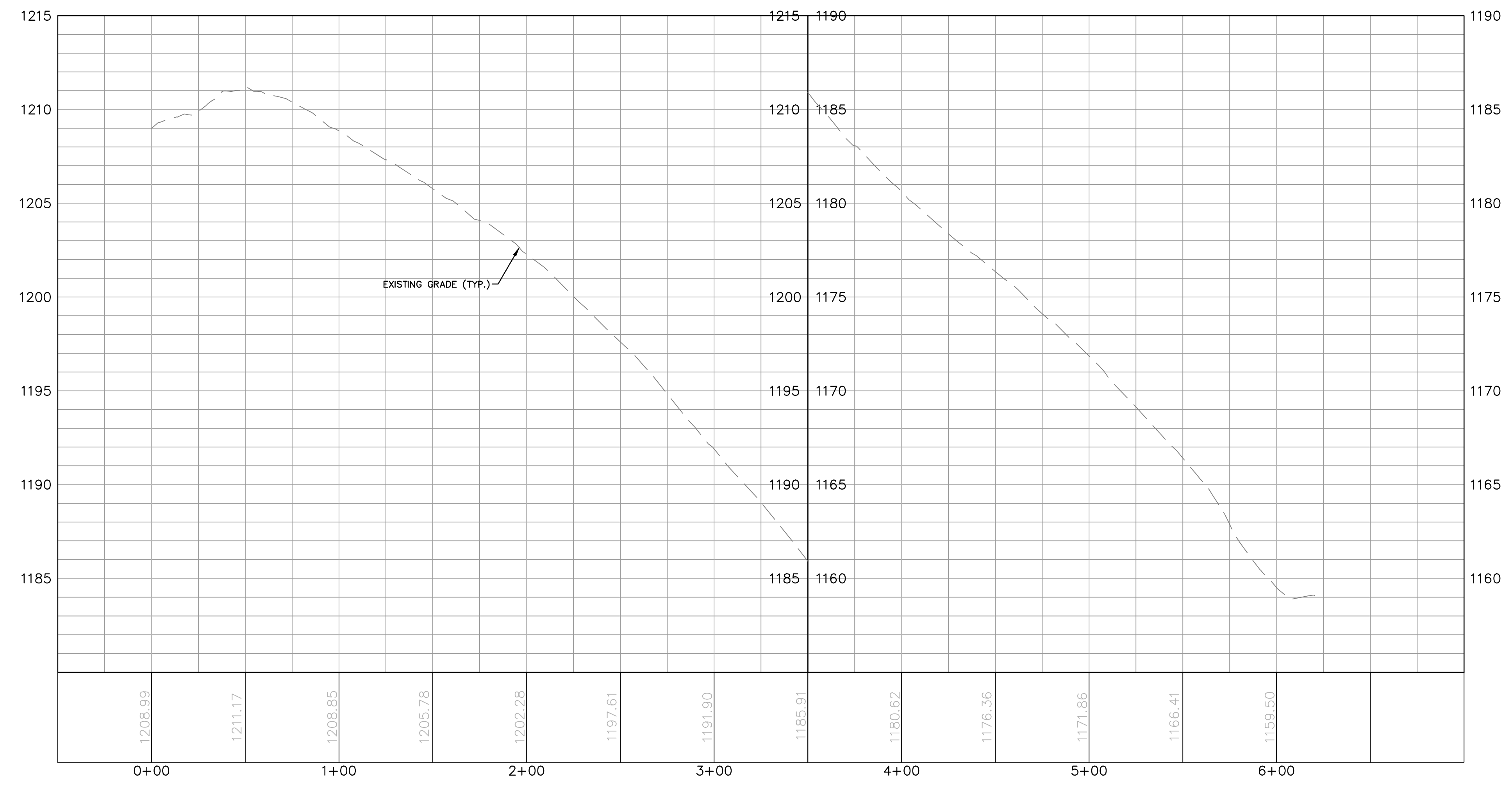
DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-015	SHEET 2 OF 3
W.O.:	W0161481					



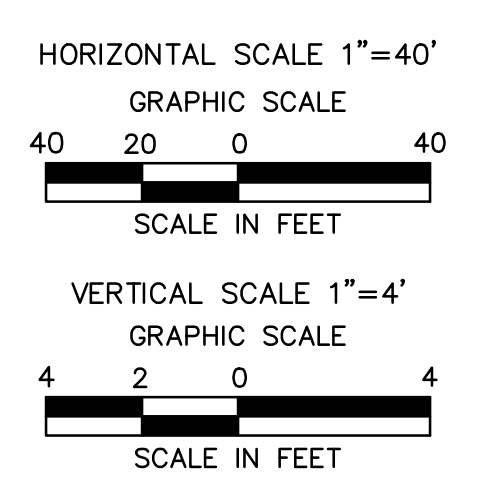
ACCESS ROAD LAYOUT

AR-LU-019							
No.	Northing	Easting	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 444825.66	B 2453617.36	S72°23'57.92"E		28.43'		
	E 444817.06	E 2453644.46					
C1	PC 444817.06	PC 2453644.46	31°49'41"	55.55'	28.51'	100.0'	
	PI 444808.44	PI 2453671.64					
	PT 444815.44	PT 2453699.28					
L2	B 444815.44	B 2453699.28	N75°46'21.36"E		382.96'		
	E 444909.56	E 2454070.49					
C2	PC 444909.56	PC 2454070.49	1°30'38"	13.18'	6.59'	500.0'	
	PI 444911.18	PI 2454076.88					
	PT 444912.84	PT 2454083.31					
L3	B 444812.64	B 2454083.31	N77°16'59.51"E		89.86'		
	E 444832.42	E 2454170.97					
C3	PC 444832.42	PC 2454170.97	22°27'17"	19.60'	9.93'	50.0'	
	PI 444834.60	PI 2454180.63					
	PT 444940.32	PT 2454188.76					
L4	B 444940.32	B 2454188.76	N54°49'42.19"E		30.77'		
	E 444958.04	E 2454213.91					

AR-LU-019 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
0+40	0+75	B
0+75	4+47	A

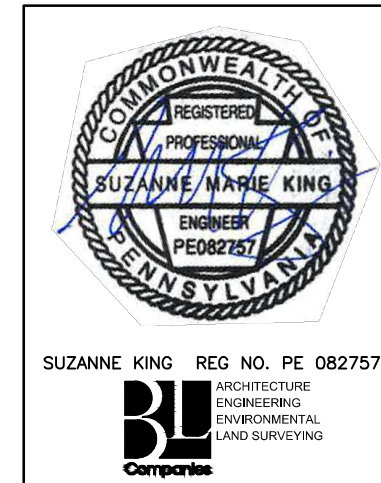


ACCESS ROAD PROFILE



Drawn By & Date/Time: Norwooduser Nov 13, 2016 - 5:07pm
 Drawing Location & Name: G:\DBS1\14\1404909.DWG\010-CPLAN\AR_PP1404909(10)-TLU-019.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
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REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.O. NO.	CHK.	APP.
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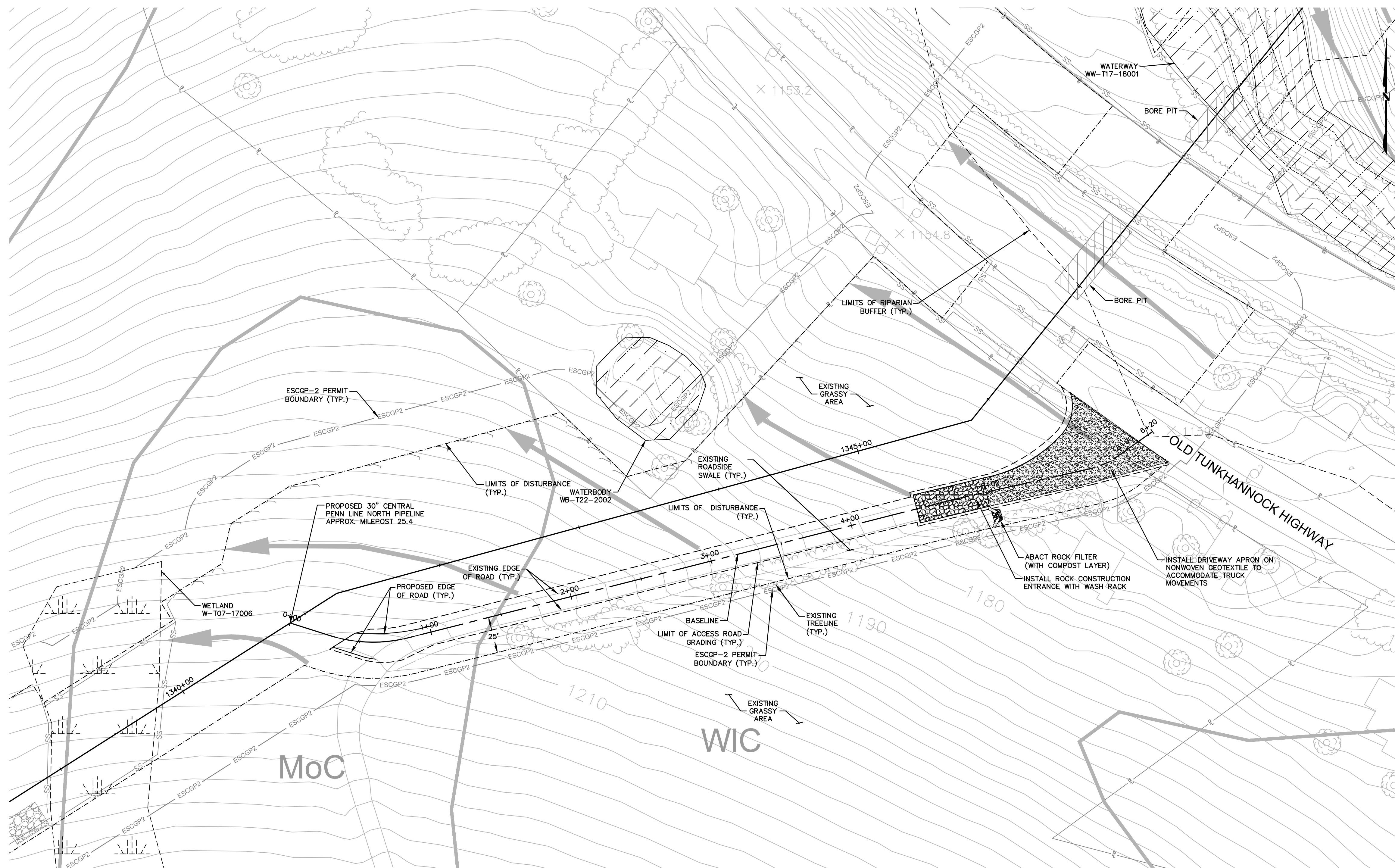
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
 ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH

ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
 PROPOSED TEMPORARY ACCESS ROAD AR-LU-019
 DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY: OLC DATE: 4/2015 ISSUED FOR BID: SCALE: AS NOTED
 CHECKED BY: DAK DATE: 06/11/15 ISSUED FOR CONSTRUCTION: REVISION: J
 APPROVED BY: SMK DATE: 07/07/15 DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-LU-019 SHEET 1 OF 3
 W.O. NO: W01161481

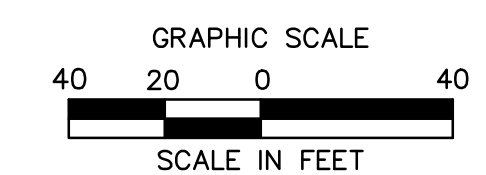
ROAD SPECIFIC CONSTRUCTION SEQUENCE:

1. AT LEAST 7 DAYS PRIOR TO STARTING ANY 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.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY 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, CULVERTS, 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
7. INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK AND GRAVEL DRIVEWAY APRON.
8. REMOVE BRUSH TO EFFECTIVELY INSTALL E&S BMPs, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
9. INSTALL PERIMETER E&S BMPs AS DEPICTED ON THE E&S PLAN.
10. APPLY STABILIZATION MEASURES IMMEDIATELY TO ANY DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF E&S BMPs.
11. THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
12. IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
13. PROCEED WITH MAJOR CLEARING AND GRUBBING.
14. BEGIN CONSTRUCTION STAKING FOR LAYOUT OF LIMITS OF ACCESS ROAD.
15. STRIP TOPSOIL AND STOCKPILE WITHIN THE PIPELINE RIGHT OF WAY PER DETAILS TS.1, TS.2, AND TS.3 PROVIDED IN THE BEST MANAGEMENT PRACTICES AND QUANTITIES PLAN UNDER SEPARATE COVER. GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NO.). EXCESS MATERIAL SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND HAULED OFF-SITE TO A SUITABLE DISPOSAL OR RECYCLING SITE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
16. 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.
17. UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP, 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).
18. ONCE THE TEMPORARY ACCESS ROAD IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE TEMPORARILY IMPROVED SECTIONS AND DISPOSE OF 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
19. LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE TEMPORARILY IMPROVED SECTIONS OF THE ACCESS ROAD AND GRADE THE DISTURBED AREAS TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM 70% PERENNIAL VEGETATIVE COVER IS ESTABLISHED.
20. 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 E&S BMPs. 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.
21. UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER. PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
22. COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
23. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



NOTE:

1. ACCESS ROAD IS LOCATED ENTIRELY WITHIN PIPELINE ROW. SEE PIPELINE E&S ALIGNMENT SHEETS FOR E&S MEASURES.



NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND

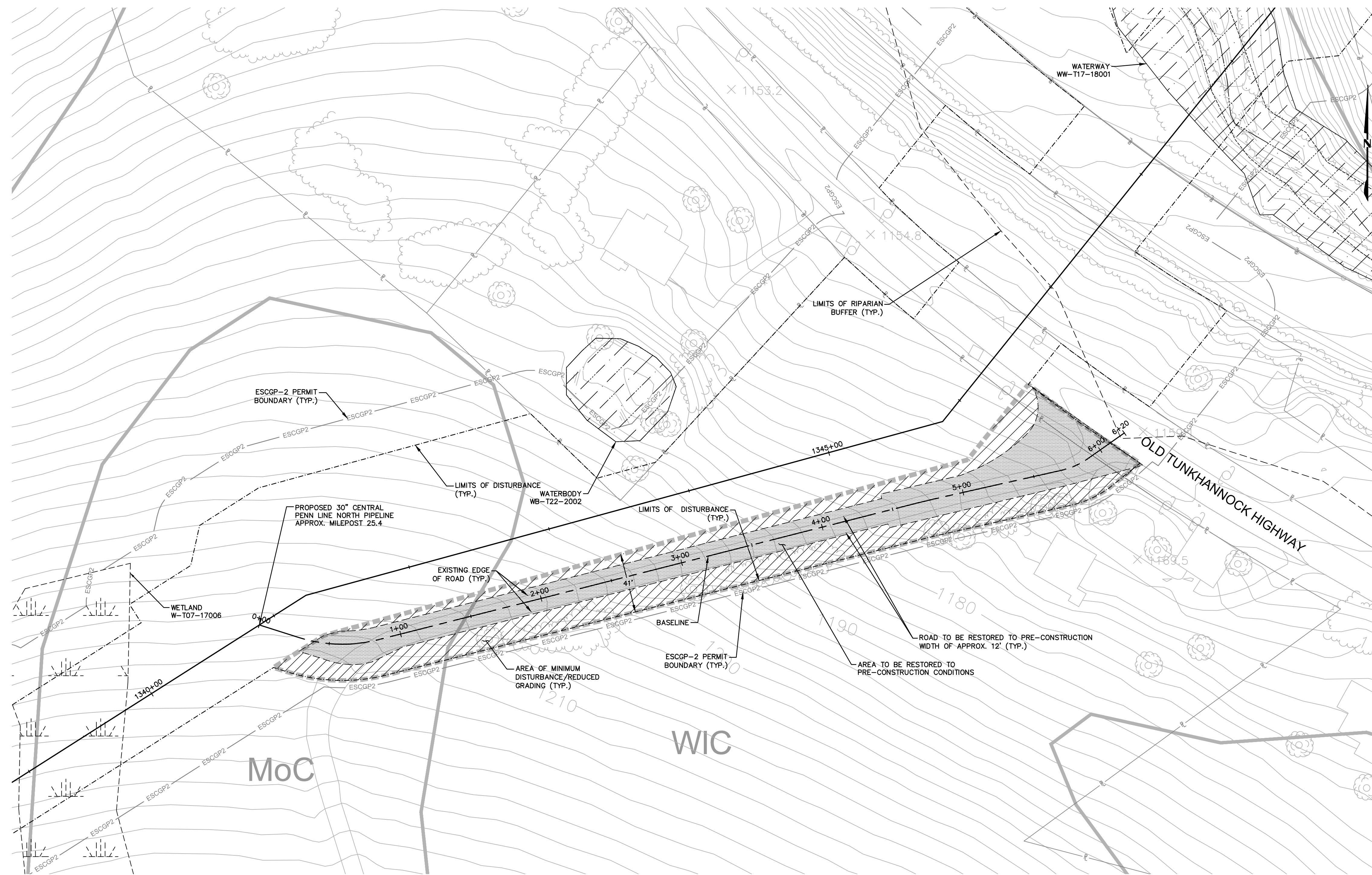
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1	12/02/2015	BL	ISSUED FOR PADEP RESUBMITTAL	1161481	DAK	SMK
2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK	SMK

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-LU-019
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-019	SHEET 2 OF 3
W.O.:	W01161481					



ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	0.60 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.00 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.30 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPS	N/A**

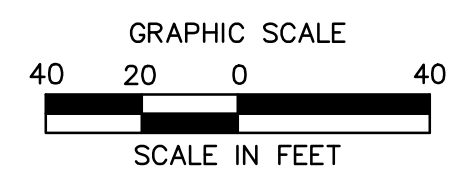
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

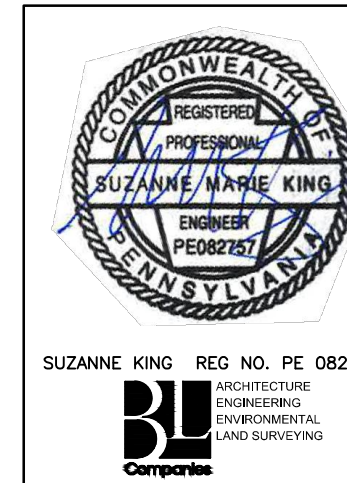
RECEIVING WATERS

UNT TO LEONARD CREEK, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE



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Drawing Location & Name: C:\DBS1\14\14c4909.DWG\010-CPLAN\AR_PCSM14C4909(10)-TLU-019.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND



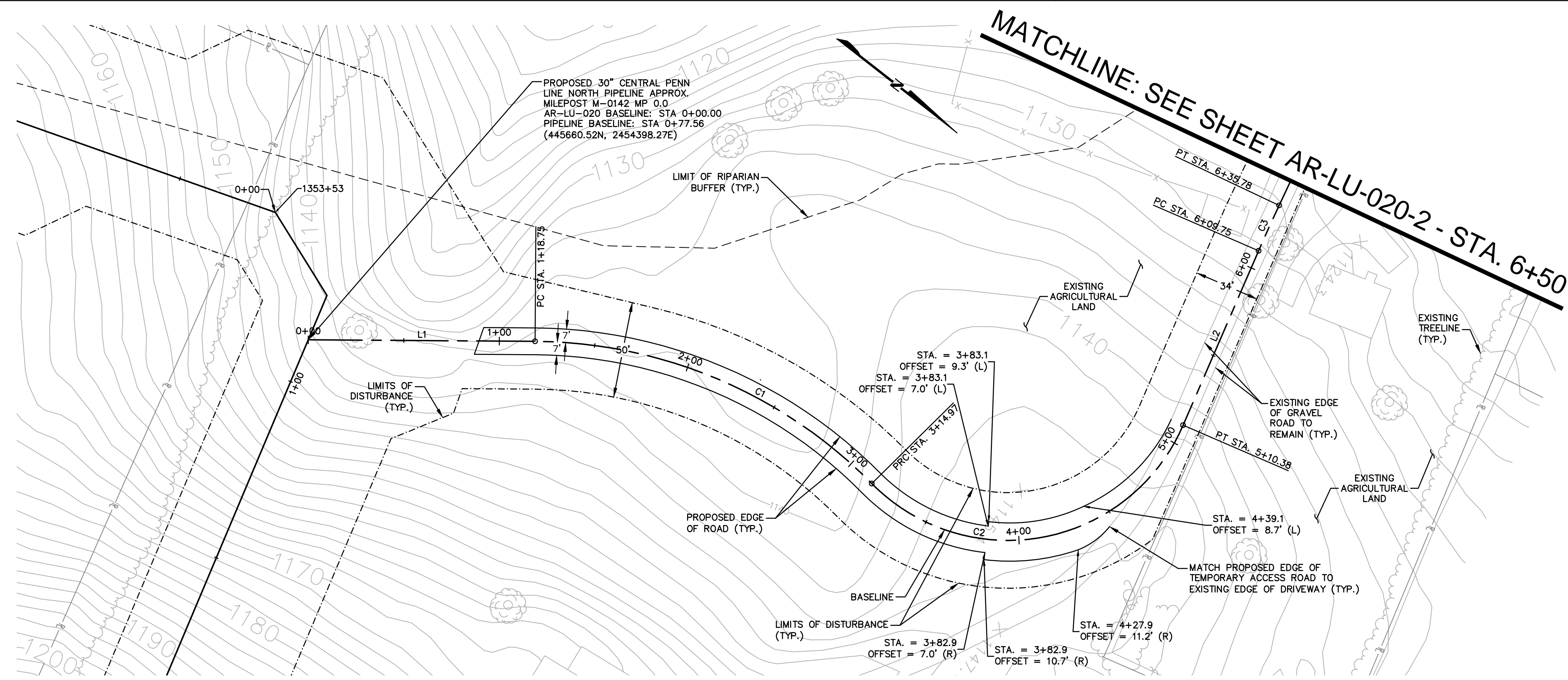
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2	OCT. 2016	BL	PADEP TECHNICAL DEFICIENCY RESPONSE #1	1161481	DAK SMK

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

ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-019
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

Williams
GAS PIPELINE

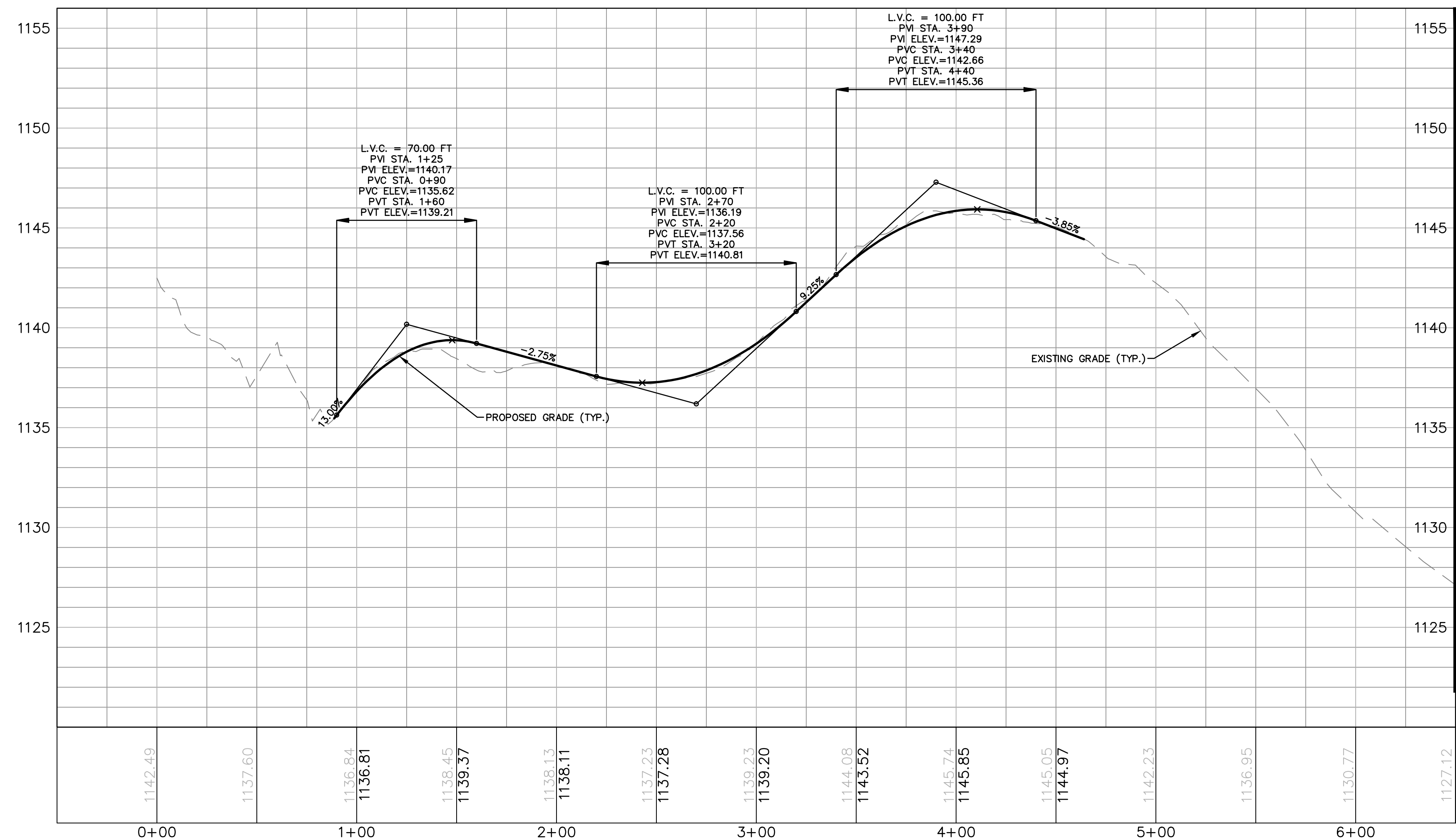
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APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-019	SHEET 3 OF 3
W.O.:	W0161481					



ACCESS ROAD LAYOUT

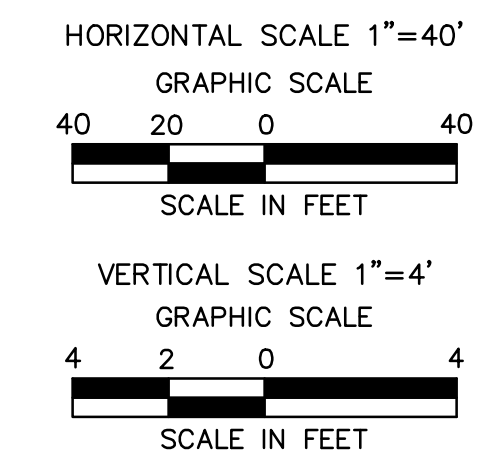
AR-LU-020							
No.	Northing	Eastng	Bearing	Delta(Δ)	Length	Tangent	Radius
L1	B 445660.52 E 445754.59	B 2454398.27 E 2454325.81	N37°36'16.72"W		118.75'		
C1	PC 445754.59 PI 445836.57 PT 445939.20	PC 2454325.81 PI 2454262.66 PT 2454275.93		44°58'19"	196.23'	103.48'	250.0'
C2	PC 445939.20 PI 446086.12 PT 446048.80	PC 2454275.93 PI 2454294.93 PT 2454151.57		111°57'33"	195.41'	148.14'	100.0'
L2	B 446048.80 E 446023.76	B 2454151.57 E 2454085.40	S75°24'29.78"W		99.37'		
C3	PC 446023.76 PI 446020.48 PT 446017.62	PC 2454085.40 PI 2454042.80 PT 2454030.10		1°51'51"	26.03'	13.02'	800.0'
L3	B 446017.62 E 445974.50	B 2454030.10 E 2453839.20	S77°16'21.17"W		195.72'		
C4	PC 445974.50 PI 445971.93 PT 445968.62	PC 2453839.20 PI 2453827.84 PT 2453816.68		3°48'39"	23.28'	11.64'	350.0'
L4	B 445968.62 E 445962.05	B 2453816.68 E 2453794.57	S73°27'41.77"W		23.06'		
C5	PC 445962.05 PI 445958.10 PT 445951.77	PC 2453794.57 PI 2453781.26 PT 2453768.90		10°34'40"	27.69'	13.89'	150.0'
L5	B 445951.77 E 445943.26	B 2453768.90 E 2453752.32	S62°53'01.99"W		18.63'		
C6	PC 445943.26 PI 445937.45 PT 445935.72	PC 2453752.32 PI 2453740.83 PT 2453728.25		19°21'49"	25.35'	12.80'	75.0'
L6	B 445935.72 E 445926.70	B 2453728.25 E 2453661.97	S82°14'51.45"W		66.89'		

AR-LU-020 TYPICAL SECTION TABLE		
BEGIN STA	END STA	TYPICAL SECTION
0+89	3+83	E



ACCESS ROAD PROFILE

MATCHLINE: SEE SHEET AR-LU-020-2 - STA. 6+50



Drawn By & Date/Time: Norwooduser Nov 13, 2016 - 5:10pm
Drawing Location & Name: C:\DBS1\14c\14c4509.DWG\010-CPLAN\AR_PP14c4509(10)-TLU-020.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL 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

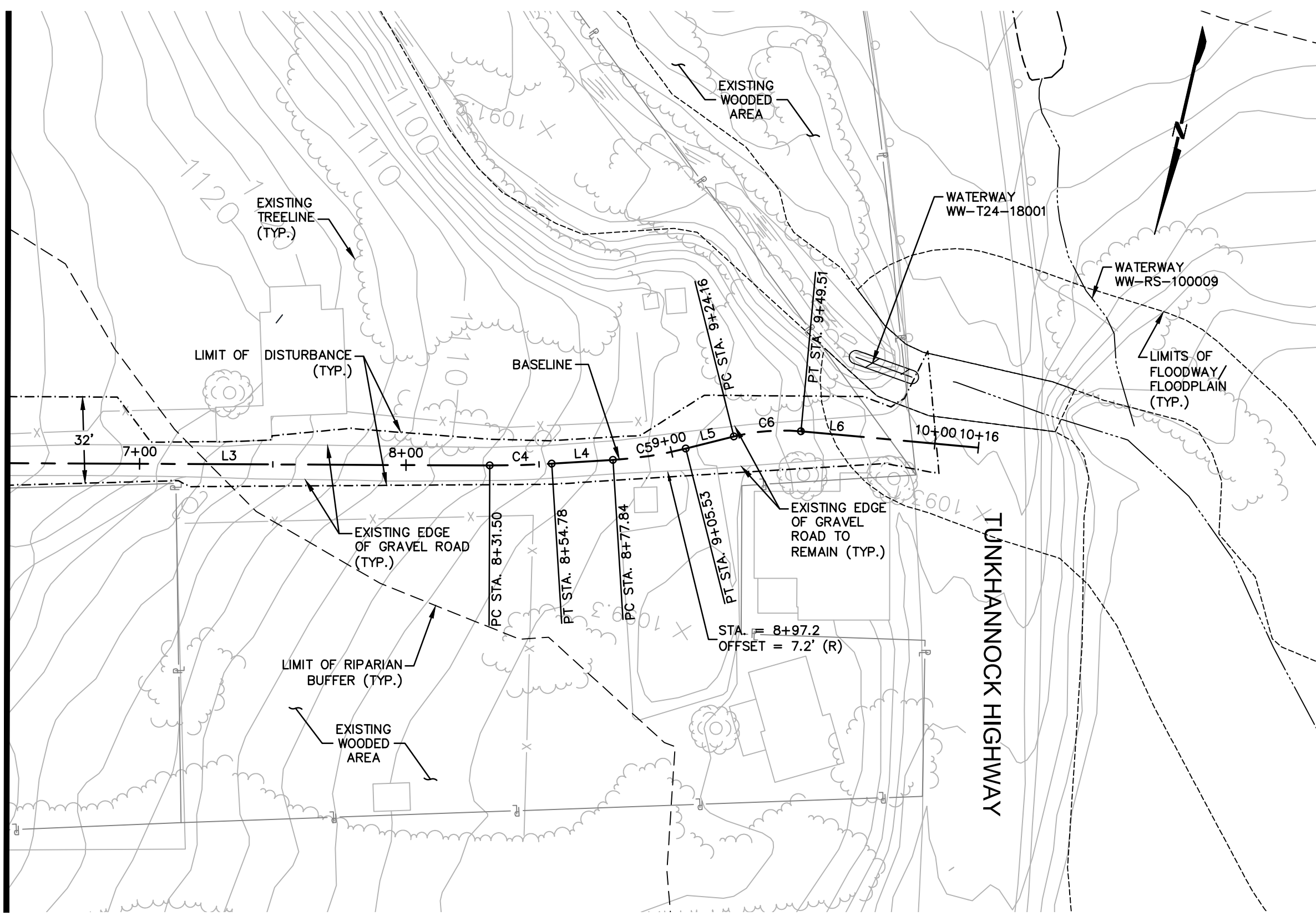
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH

ACCESS ROADS - ROADWAY LAYOUT AND PROFILE
PROPOSED TEMPORARY ACCESS ROAD AR-LU-020
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

WILLIAMS
GAS PIPELINE

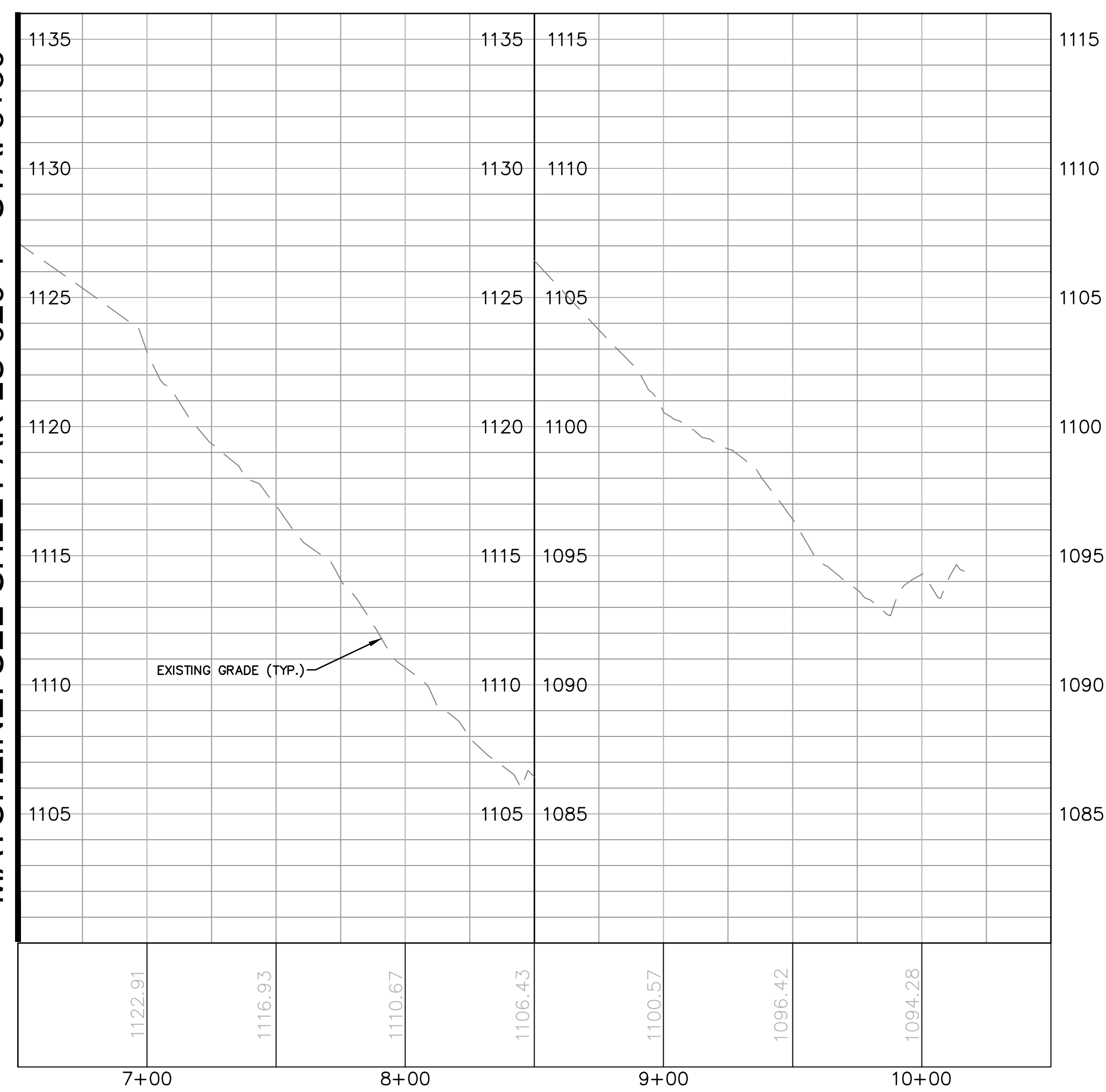
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APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-020	SHEET 1 OF 4
W.O.:	W0161481					

MATCHLINE: SEE SHEET AR-LU-020-1 - STA. 6+50

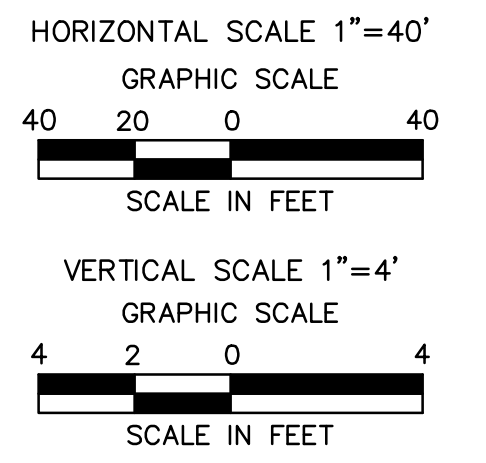


ACCESS ROAD LAYOUT

MATCHLINE: SEE SHEET AR-LU-020-1 - STA. 6+50

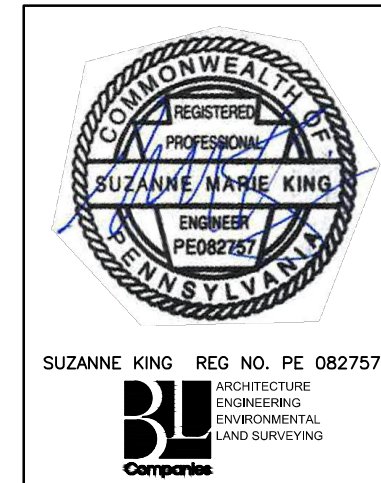


ACCESS ROAD PROFILE



Drawn By & Date/Time: Nonocoduser Nov 13, 2016 - 5:10pm
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NOTE:
 SEE GENERAL OVERALL SHEET 3 OF 4
 (TYPICAL SECTION) FOR EXISTING AND
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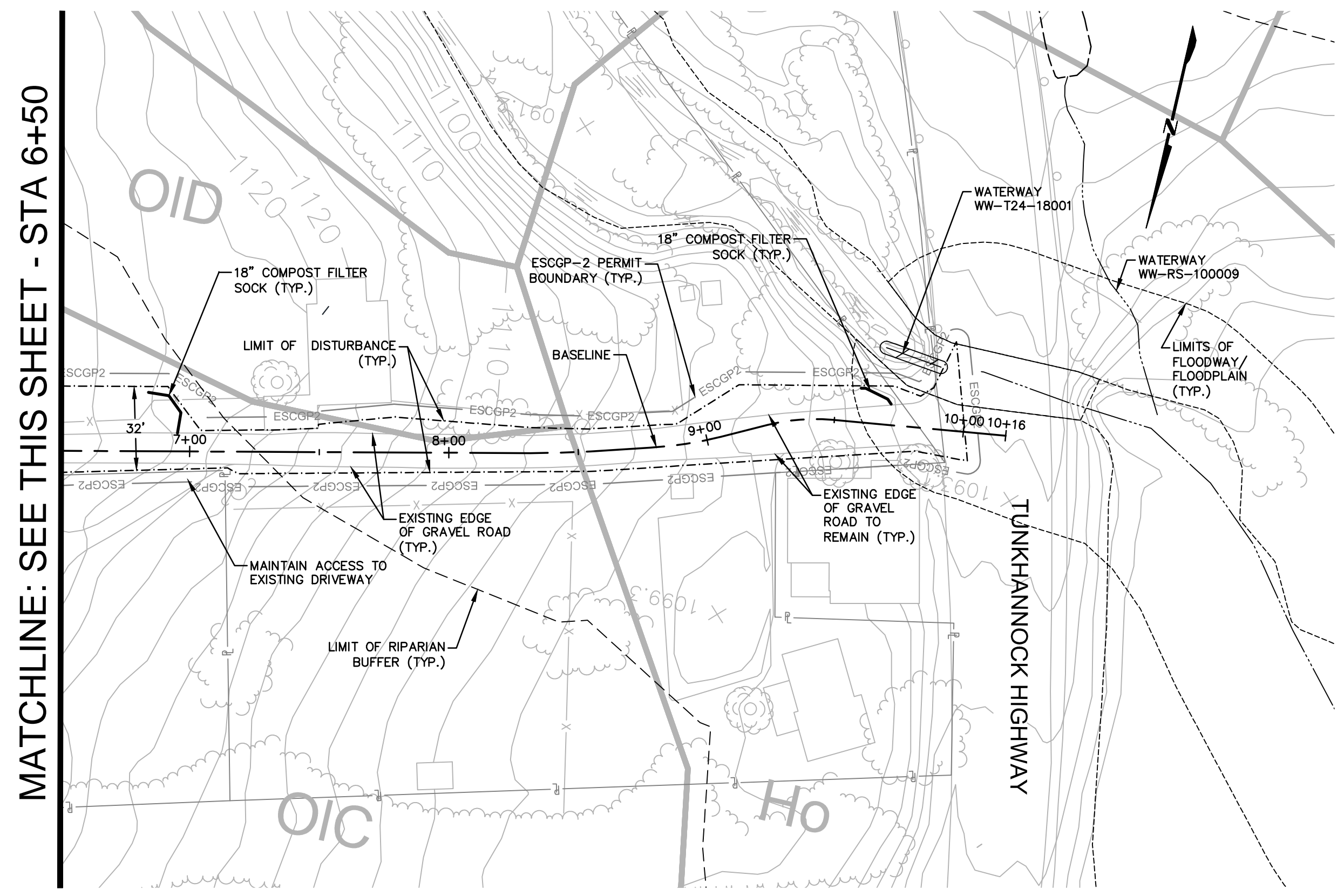
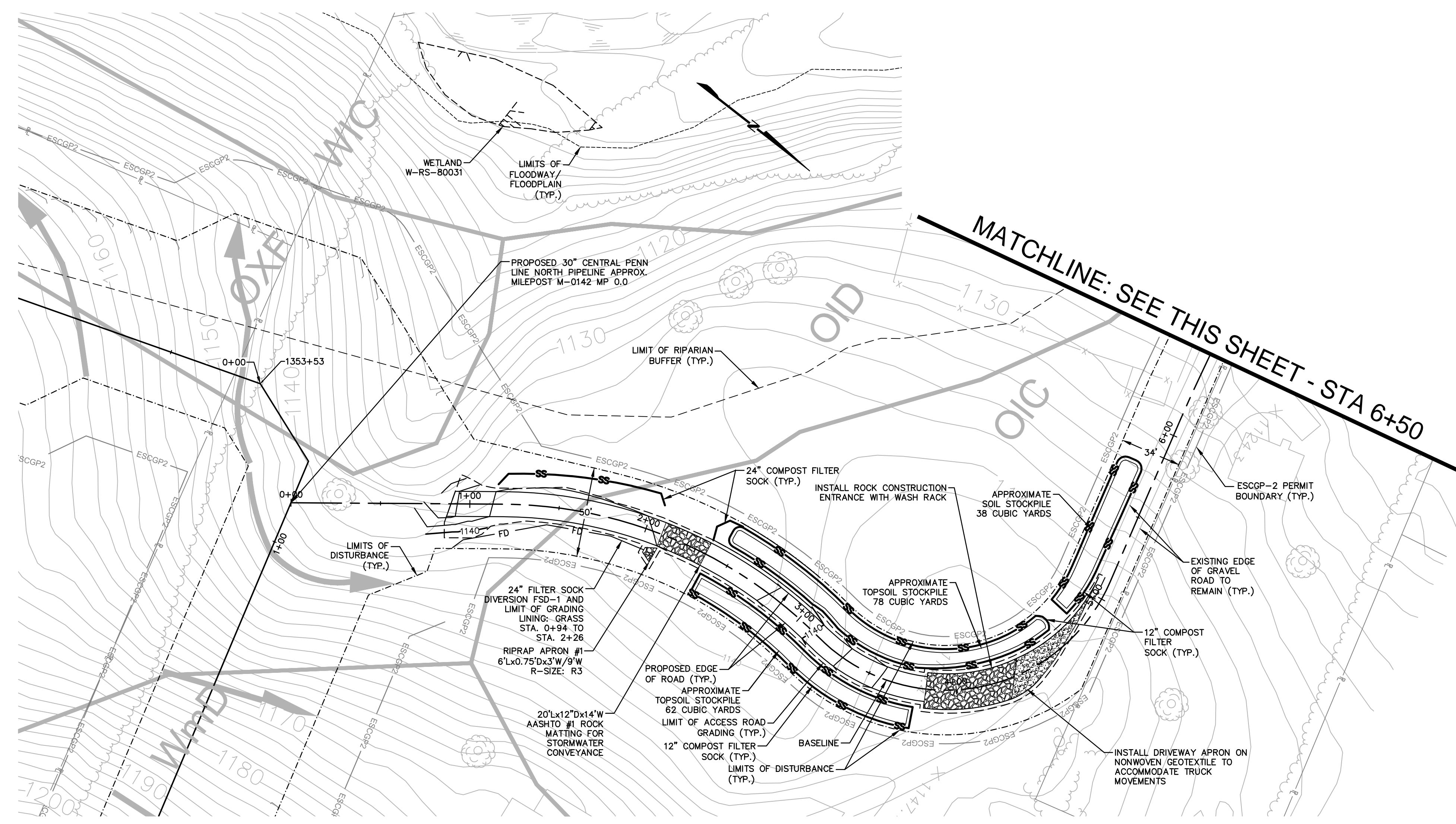
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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT- PROPOSED 30" CENTRAL PENN LINE NORTH			
ACCESS ROADS - ROADWAY LAYOUT AND PROFILE			
PROPOSED TEMPORARY ACCESS ROAD AR-LU-020			
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
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			SHEET 2 OF 4

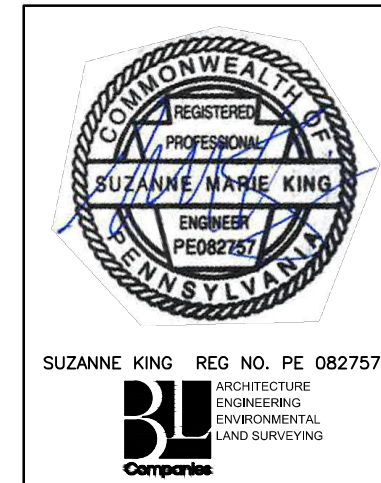
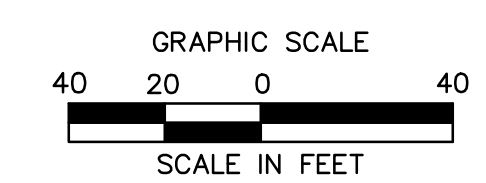


ROAD SPECIFIC CONSTRUCTION SEQUENCE:

- AT LEAST 7 DAYS PRIOR TO STARTING ANY 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 ANY 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK. INSTALL SEDIMENT BARRIERS (COMPOST FILTER SOCK) DOWN SLOPE OF THESE AREAS.
- PERFORM TREE CUTTING WHERE REQUIRED. (AREAS WITH TREE CUTTING SHALL BE RESTORED TO MEADOW IN GOOD CONDITION.)
- INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK AND GRAVEL DRIVEWAY APRON.
- REMOVE BRUSH TO EFFECTIVELY INSTALL PERIMETER E&S BMPs, LEVEL SIDE CUTS TO GRANT ACCESS FOR VEHICLES AND WORKERS TO SAFELY PERFORM THE INSTALLATION OF SEDIMENT BARRIERS ON THE SITE AS SHOWN ON THE CONSTRUCTION DRAWINGS.
- INSTALL PERIMETER E&S BMPs AS DEPICTED ON THE E&S PLAN.
- APPLY STABILIZATION MEASURES IMMEDIATELY TO ANY DISTURBED AREAS DUE TO THE INITIAL CLEARING AND INSTALLATION OF E&S BMPs.
- THE COMPLIANCE MANAGER SHALL PROVIDE PADEP AT LEAST THREE DAYS' NOTICE PRIOR TO BULK EARTH DISTURBANCE AND UPON COMPLETED INSTALLATION OF PERIMETER EROSION CONTROLS.
- 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 LIMITS OF ACCESS ROAD.
- BEGIN GRADING AND STRIP AND STOCKPILE TOPSOIL. INSTALL E&S BMPs 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 LIMIT OF DISTURBANCE. STOCKPILED SOIL SHALL NOT EXCEED 35 FEET IN HEIGHT, HAVE MAXIMUM SLOPES OF 2:1, AND BE SURROUNDED BY 12" COMPOST FILTER SOCK OR SILT FENCE. ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT AN APPROVED FACILITY OR PERMITTED WASTE AREA.
- GRADE THE ACCESS ROAD AS SHOWN ON THE E&S PLANS (SECTION 2 OF THE ESCGP-2 NOI), INCLUDING ANY BROAD BASED DIPS. 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.
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- UPON LOCAL CCD AND TRANSCO APPROVAL OF STABILIZATION AND RE-VEGETATION, REMOVE TEMPORARY E&S BMPs AND STABILIZE AREAS DISTURBED BY REMOVAL INCLUDING THE PERIMETER SEDIMENT BARRIER AND TEMPORARY COMPOST DIVERSIONS. PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCINGS AND, IF NECESSARY, SECURITY FENCING.
- COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY E&S BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.



MATCHLINE: SEE THIS SHEET - STA 6+50



REVISIONS						
NO.	DATE	BY	DESCRIPTION	W.D. NO.	CHK.	APP.
0	08/26/2015	BL	ISSUED FOR PADEP SUBMITTAL	1161481	DAK	SMK
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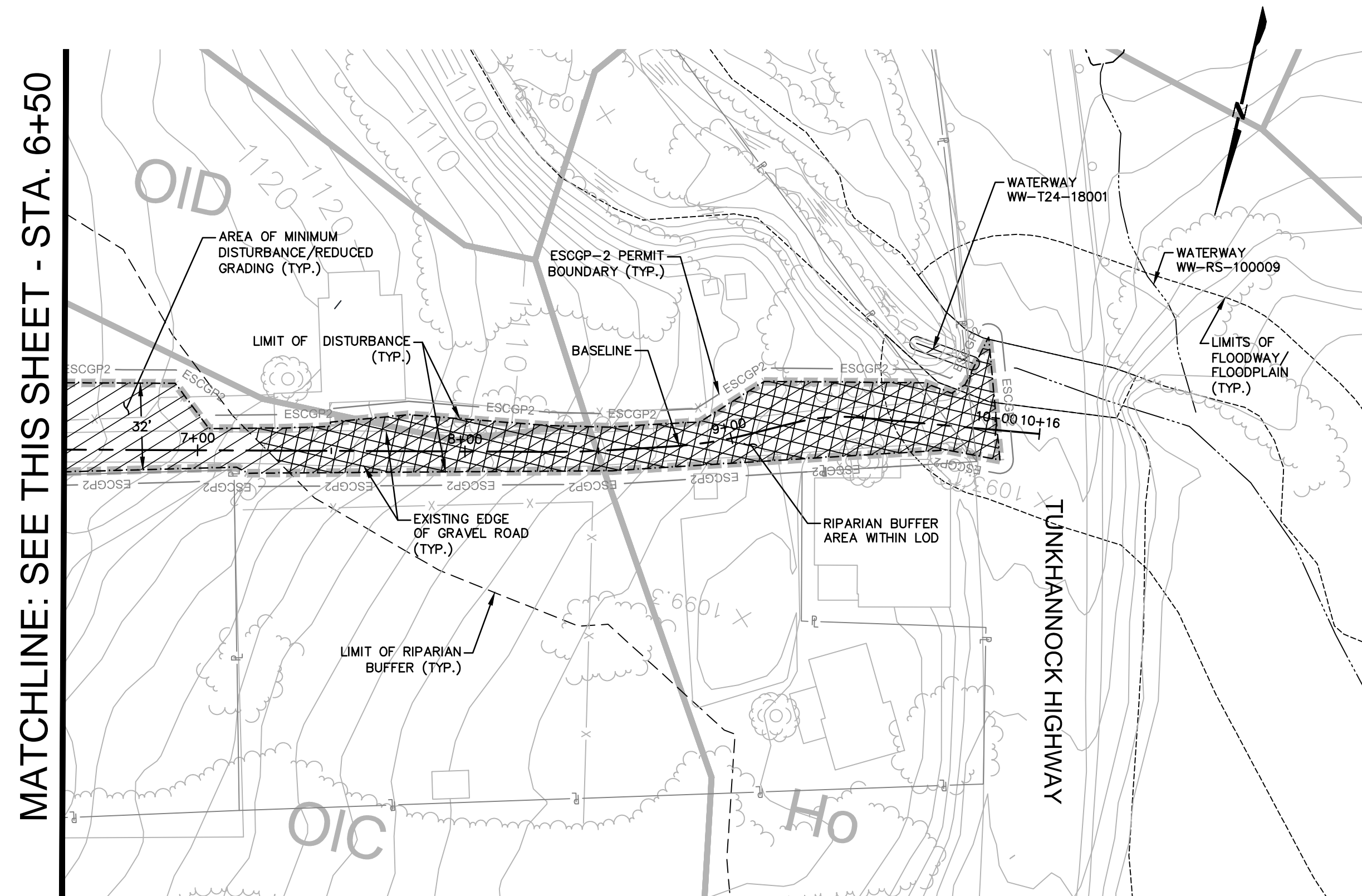
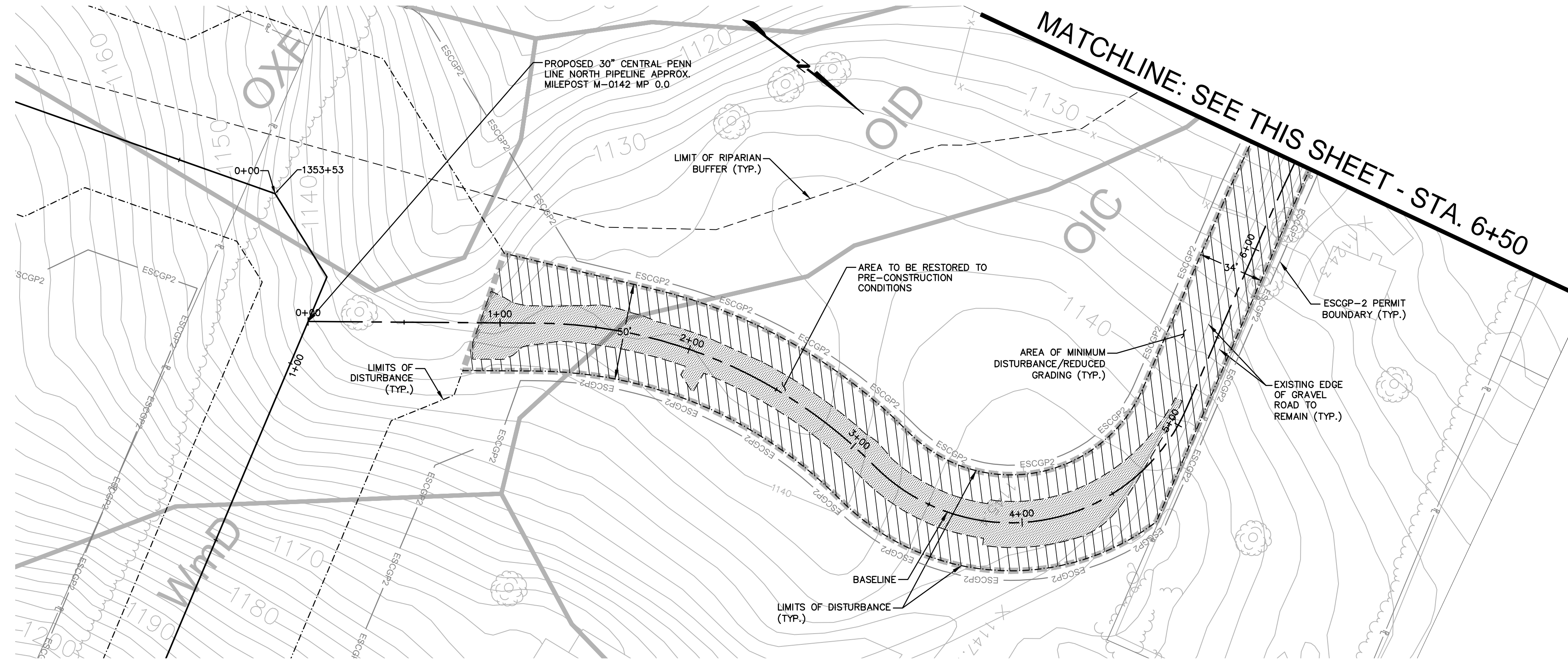
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC
ATLANTIC SUNRISE PROJECT - PROPOSED 30" CENTRAL PENN LINE NORTH
ACCESS ROADS - SOIL EROSION CONTROL PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-020
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

WILLIAMS GAS PIPELINE

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-020	SHEET 3 OF 4
W.D.:	W0161481					

Drawn By & Date/Time: Norwooduser Nov 12, 2016 - 8:10pm
Drawing Location & Name: C:\DBS1\14c\14c4999\DWG\010-CPLM\AR_EC_4c4999(10)-TLU-020.dwg

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4
(TYPICAL SECTION) FOR EXISTING AND
PROPOSED FEATURES LEGEND



ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE	0.77 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.003 AC.
AREA OF RIPARIAN FOREST BUFFER	0.14 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.58 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY PERMANENT BMPS	N/A**

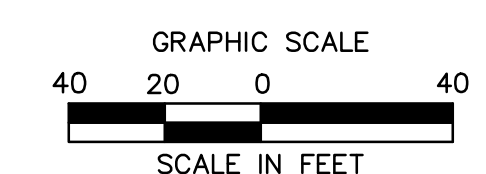
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

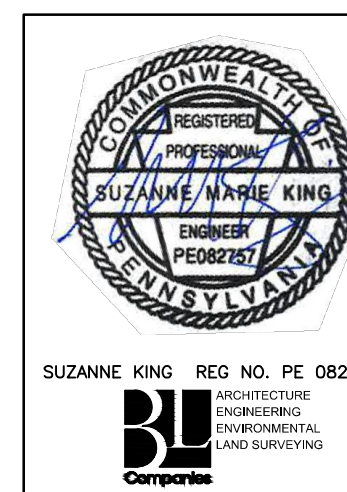
SEE COVER SHEET FOR SOIL TYPE LIMITATIONS

RECEIVING WATERS

UNT TO LEONARD CREEK, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE



NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL 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

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

ACCESS ROADS - SITE RESTORATION PLAN
PROPOSED TEMPORARY ACCESS ROAD AR-LU-020
DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA

DRAWN BY:	OLC	DATE:	4/2015	ISSUED FOR BID:	SCALE:	1"=40'
CHECKED BY:	DAK	DATE:	06/11/15	ISSUED FOR CONSTRUCTION:	REVISION:	J
APPROVED BY:	SMK	DATE:	07/07/15	DRAWING NUMBER:	24-1601-70-28-A/ 1683_3-AR-LU-020	SHEET 4 OF 4
W.O.:	W01161481					

NOTE

ACCESS ROAD IS PRIMARILY TO BE USED FOR TURNAROUND ACCESS.

ESCGP-2 PERMIT TABLE

LIMIT OF DISTURBANCE:	
ACCESS ROAD	0.00 AC.
VALVE WITHIN PIPELINE ROW	0.30 AC.
TOTAL	0.30 AC.
LOD AREA WITHIN FLOODWAY/FLOODPLAIN	0.00 AC.
AREA OF RIPARIAN FOREST BUFFER	0.30 AC.
AREA OF MINIMUM DISTURBANCE/REDUCED GRADING	0.30 AC.
STORMWATER MANAGEMENT AREA	N/A**
AREA CONTROLLED BY BMPs	N/A**

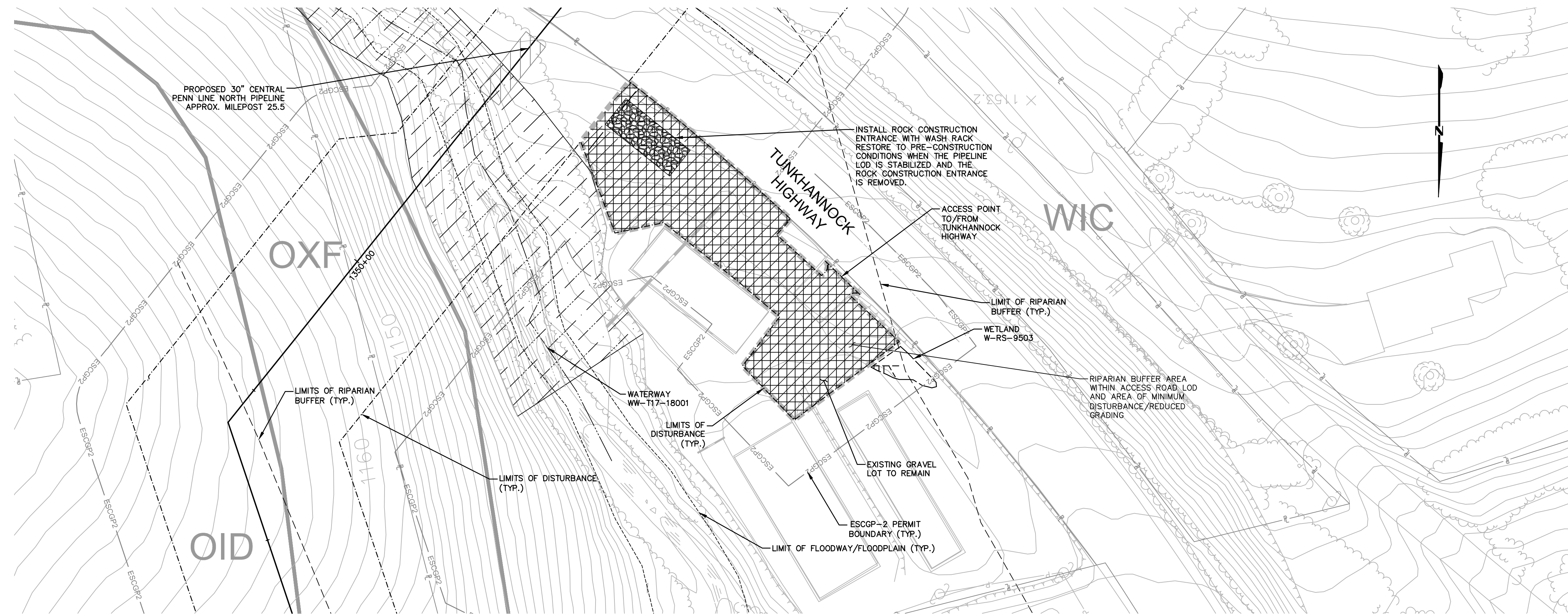
** NOT APPLICABLE FOR TEMPORARY ROADS. AREA WILL BE RESTORED TO PRE-DEVELOPMENT CONDITIONS.

SITE SOIL TYPES

SEE COVER SHEET FOR SOIL TYPES AND LIMITATIONS

RECEIVING WATERS

UNT TO LEONARD CREEK, HQ-CWF, MF CHAPTER 303(D) IMPAIRMENT: NONE

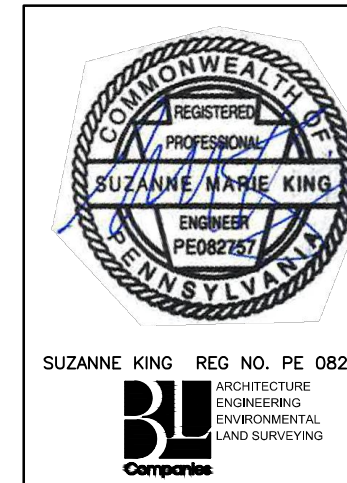


ACCESS ROAD LAYOUT

ROAD SPECIFIC CONSTRUCTION SEQUENCE:

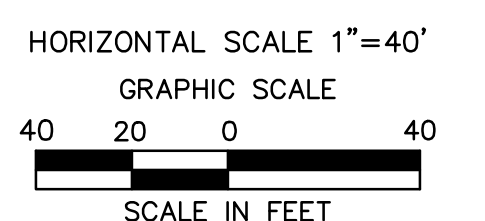
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, ENVIRONMENTAL INSPECTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL 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 ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1176 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 THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK.
- INSTALL THE ROCK CONSTRUCTION ENTRANCE WITH WASH RACK.
- IF APPLICABLE, INSTALL SECURITY FENCE. THE NECESSITY OF A SECURITY FENCE WILL BE AT THE DISCRETION OF THE CONTRACTOR.
- IMMEDIATELY STABILIZE THE ACCESS ROAD WITH GEOTEXTILE AND GRAVEL SURFACING WHERE INDICATED IN THE E&S PLANS.
- AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, OR UPON TEMPORARY CESSATION OF AN EARTH DISTURBANCE ACTIVITY OR ANY 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 ANY STAGE OF AN ACTIVITY TO BE CONSIDERED TEMPORARILY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED WITH ONE OF THE FOLLOWING: A MINIMUM UNIFORM COVERAGE OF MULCH AND SEED, WITH A DENSITY CAPABLE OF RESISTING ACCELERATED EROSION AND SEDIMENTATION, OR AN ACCEPTABLE BMP 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 ROE IS NO LONGER NECESSARY, REMOVE ALL GRAVEL AND GEOTEXTILE FABRIC FROM THE ROE AREA 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, INCLUDING AREAS USED TO STOCKPILE TOPSOIL. BMPs WILL REMAIN IN PLACE AND FUNCTIONAL.
- LOOSEN AND DE-COMPACT TOPSOIL THROUGHOUT THE ROE AREA AND GRADE THE DISTURBED AREA TO MATCH PRECONSTRUCTION CONDITIONS. IMMEDIATELY FERTILIZE, SEED AND STABILIZE AREAS OUTSIDE OF EXISTING GRAVEL ROAD/LOT AT FINISHED GRADE. MAINTAIN E&S BMPs UNTIL SITE WORK IS COMPLETE AND UNIFORM TOX 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 E&S BMPs. VEGETATED AREAS MUST ACHIEVE A MINIMUM UNIFORM TOX 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.
- UPON LOCAL CCD AND TRANSPO APPROVAL OF STABILIZATION AND RE-VEGETATION, PROPERLY DISPOSE OF OR RECYCLE E&S BMPs. REMOVE ORANGE CONSTRUCTION FENCING AND, IF NECESSARY, SECURITY FENCING.
- COMPLETE ACCESS ROAD LIMIT OF DISTURBANCE STABILIZATION, INCLUDING SEED APPLICATION AND MULCHING IN AREAS DISTURBED BY E&S BMP REMOVAL.
- UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES, REMOVAL OF ALL TEMPORARY BMPs AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATORS SHALL CONTACT THE LOCAL CCD FOR A FINAL INSPECTION.

NOTE:
SEE GENERAL OVERALL SHEET 3 OF 4 (TYPICAL SECTION) FOR EXISTING AND PROPOSED FEATURES LEGEND



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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC			
ATLANTIC SUNRISE PROJECT- PROPOSED 30" CENTRAL PENN LINE NDRTH			
ACCESS ROADS - SOIL EROSION CONTROL AND SITE RESTORATION PLAN			
PROPOSED TEMPORARY ACCESS ROAD AR-LU-020.1 DALLAS TOWNSHIP, LUZERNE COUNTY, PENNSYLVANIA			
DRAWN BY:	OLC	DATE:	4/2015
CHECKED BY:	DAK	DATE:	06/11/15
APPROVED BY:	SMK	DATE:	07/07/15
W.O.:	W01161481	ISSUED FOR CONSTRUCTION:	SCALE: AS NOTED
DRAWING NUMBER: 24-1601-70-28-A/1683_3-AR-LU-020.1		REVISION:	J
SHEET 1 OF 1			



Drawn By & Date/Time: Norwooduser Nov 13, 2016 - 5:14pm
Drawing Location & Name: G:\0851\14c\14c4909\DWG\010-CPL\VAR_PP_14c4909(10)-TLU-020-1.dwg