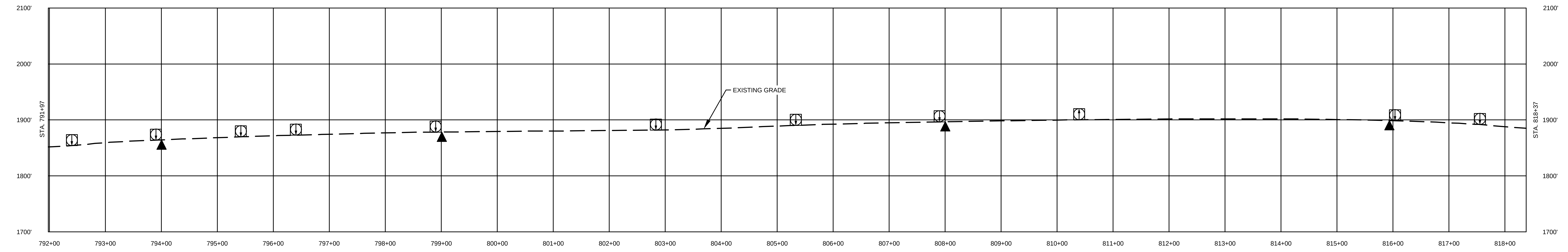
OWNERSHIP / FOOTAGE	791+97	PE-LU-207.000 2640'	818+37
STATIONING		805+19 CENTERLINE OF UNNAMED ROAD

LUZERNE COUNTY, PENNSYLVANIA
M.P. 15.0
M.P. 15.5
N
UNNAMED ROAD
ELECTION ROAD
WmB
MsB
WETLAND 043015_JC_1001_PFO
WETLAND 043015_JC_1001_PEM - 1
WETLAND 043015_JC_1001_PEM - 2
WETLAND 043015_JC_1001_PEM
WETLAND 043015_JC_1001_PFO
WATERBODY 043015_JC_1001_I_MI
SEE DWG. 000-03-01-030 STA. 791+97
SEE DWG. 000-03-01-032 STA. 818+37
795+00
800+00
805+00
810+00
815+00
820+00
ESCGP
45'
115'
65'
30'
35'
PROPOSED 36" PENNEAST PIPELINE
EDGE OF EASEMENT (TRANSCONTINENTAL GAS PIPE LINE CORP)
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
EDGE OF EASEMENT (TRANSCONTINENTAL GAS PIPE LINE CORP)
PE-LU-207.000
1840'
1850'
1860'
1870'
1880'
1890'
1900'
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	OL/ROW	UF
WATERSHED NAME		LITTLE BEAR CREEK		BEAR CREEK
WATERSHED CLASSIFICATION		HQ-CWF, MF		HQ-CWF, MF
SOILS		MsB		WmB
WATERBODY CROSSING METHOD				
CLASS LOCATION		CLASS I		
DESIGN FACTOR		0.72		
MAOP		1480 PSIG		

PROFILE



MICHAEL DENICHILO
PE086513

10/25/2019

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

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL		
TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS	
DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND

REVISIONS					
NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS	
DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 791+97 TO STA. 818+37

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-031	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-031.DWG2019/10/16 DUM64749

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-032.DWG2019/10/16 BLA89970

OWNERSHIP / FOOTAGE	818+37	PE-LU-207.000 2346'	841+83	PE-LU-208.000 296'

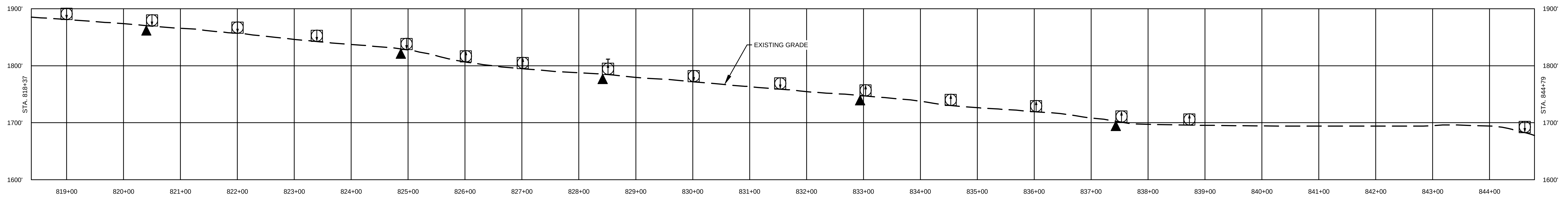
844+79

STATIONING
- 827+21 P.I.~ 45°16'54" RT
- 827+92 CENTERLINE OF TRANSCONTINENTAL GAS PIPE LINE CORP. PIPELINE
- 828+63 P.I.~ 45°19'09" LT
- 839+57 P.I.~ 2°28'42" LT
- 840+68 P.I.~ 4°28'18" LT
- 841+43 P.I.~ 14°26'02" LT
- 841+83 P.I.~ 14°44'01" RT
- 841+83 PROPERTY LINE

LUZERNE COUNTY, PENNSYLVANIA
M.P. 15.5
M.P. 16.0
SEE DWG. 000-03-01-031 STA. 818+37
STA. 844+79 SEE DWG. 000-03-01-033
815+00
820+00
825+00
830+00
835+00
840+00
EDGE OF EASEMENT (PPL ELECTRIC UTILITIES CORP.)
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
AR-031C (REFER TO ACCESS ROAD DETAIL)
EDGE OF EASEMENT (TRANSCONTINENTAL GAS PIPE LINE CORP.)
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
PROPOSED 36" PENNEAST PIPELINE
PE-LU-207.000
PE-LU-208.000
WETLAND NWI-323
WETLAND 042417_GM_1002_PEM
WETLAND 042417_GM_1002_PSS
WETLAND 042417_GM_1002_PFO
WETLAND 041117_NJ_1001_PEM
WETLAND 041117_NJ_1002_PEM
WETLAND 041117_NJ_1003_PEM
WETLAND 041117_NJ_1004_PSS
WETLAND 041217_MK_1000_PEM
WETLAND 112114_JC_003B_PSS
WETLAND 112114_JC_003B_PEM
WETLAND 112114_JC_003B_PFO
WETLAND NWI-399
WmB
WmD
OpD
CIA
Ho
Mu
MsB
ChC
ESCGP
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	OL/ROW	UF				
WATERSHED NAME		BEAR CREEK						
WATERSHED CLASSIFICATION		HQ-CWF, MF						
SOILS		WmB	WmD	OpD	WmD	WmB	WmD	WmB	OpD
WATERBODY CROSSING METHOD								
CLASS LOCATION		CLASS I						
DESIGN FACTOR		0.72						
MAOP		1480 PSIG						

PROFILE



MICHAEL DENICHILO
ENGINEER
PE086513

10/25/2019

Know what's below. Call before you dig.

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL		
TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS	
DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND
000-03-03-017.1	ACCESS ROAD DETAIL

REVISIONS					
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B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS	
DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 818+37 TO STA. 844+79

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-032	B

OWNERSHIP / FOOTAGE	844+79	PE-LU-208.000 2639'	871+18

STATIONING

- 845+24 EDGE OF WETLAND 112114_JC_003B_PFO
- 851+69 EDGE OF WETLAND 112114_JC_003B_PFO
- 853+28 EDGE OF WETLAND 112114_JC_003B_PSS
- 853+41 EDGE OF WETLAND 112114_JC_003B_PSS
- 853+41 EDGE OF WATERBODY 112114_JC_1003_P_IM
- 854+05 EDGE OF WATERBODY 112114_JC_1003_P_IM
- 854+05 EDGE OF WETLAND 112114_JC_003A_PSS
- 855+17 EDGE OF WETLAND 112114_JC_003A_PSS
- 855+17 EDGE OF WATERBODY 112114_JC_1002_P_MI
- 855+29 EDGE OF WATERBODY 112114_JC_1002_P_MI
- 855+29 EDGE OF WETLAND 112114_JC_003A_PSS
- 855+65 EDGE OF WETLAND 112114_JC_003A_PSS
- 864+10 EDGE OF WETLAND 112114_JC_002_PSS
- 864+21 EDGE OF WETLAND 112114_JC_002_PSS
- 864+21 EDGE OF WATERBODY 112114_JC_1001_P_MI
- 864+27 EDGE OF WATERBODY 112114_JC_1001_P_MI
- 864+27 EDGE OF WETLAND 112114_JC_002_PSS
- 864+86 EDGE OF WETLAND 112114_JC_002_PSS

LUZERNE COUNTY, PENNSYLVANIA
M.P. 16.0
M.P. 16.5
EXISTING 18" HDPE CULVERT (NOT TO BE REPLACED)
EXISTING 18" HDPE CULVERT (NOT TO BE REPLACED)
EDGE OF EASEMENT (PPL ELECTRIC UTILITIES CORP.)
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
EDGE OF EASEMENT (TRANSCONTINENTAL GAS PIPE LINE CORP.)
PROPOSED 36" PENNEAST PIPELINE
PE-LU-208.000
AR-031C (REFER TO ACCESS ROAD DETAIL)
STREAM PA-NHD-029
STREAM PA-NHD-028
WETLAND NWI-365
WETLAND 112114_JC_003B_PSS
WETLAND 112114_JC_003B_PEM
WETLAND 112114_JC_003B_PSS - 1
WETLAND 112114_JC_003B_PSS - 2
WETLAND 112114_JC_003B_PSS - 3
WETLAND 112114_JC_003B_PFO
WETLAND 112114_JC_003B_PFO - 1
WETLAND 112114_JC_003B_PFO - 2
WETLAND 112114_JC_003B_PFO - 3
WATERBODY 112114_JC_1003_P_IM
WATERBODY 112114_JC_1003_P_IM - 1
WATERBODY 112114_JC_1003_P_IM - 2
WETLAND 112114_JC_003A_PSS
WETLAND 112114_JC_003A_PSS - 1
WETLAND 112114_JC_003A_PSS - 2
WATERBODY 112114_JC_1002_P_MI
WETLAND 042417_GM_1002_PSS
WETLAND NWI-399
STREAM PA-NHD-300
STREAM PA-NHD-409
STREAM PA-NHD-410
STREAM PA-NHD-424
WATERBODY PA-NHD-589
STREAM PA-NHD-442
STREAM PA-NHD-434
STREAM PA-NHD-331
STREAM PA-NHD-401
STREAM PA-NHD-032
WETLAND 112114_JC_002A_PSS
WETLAND 112114_JC_002A_PSS - 1
WETLAND 112114_JC_002A_PSS - 2
WETLAND 112114_JC_002_PEM
WETLAND 112114_JC_002B_PFO
WETLAND 112114_JC_002_PSS
WATERBODY 112114_JC_1001_P_MI
WATERBODY 112114_JC_1001_P_MI - 1
WATERBODY 112114_JC_1001_P_MI - 2
WETLAND 112114_JC_001_PEM
WETLAND 112014_JC_004_PEM
WETLAND NWI-415
WATERBODY PA-NHD-556
SEE DWG. 000-03-01-032 STA. 844+79
STA. 871+18 SEE DWG. 000-03-01-034
850+00
855+00
860+00
865+00
870+00
SCALE: 1" = 100'
100 50 0 100
ClA
OpD
Ho
ChC
ChB
LcB
MsB
WmB
WmD
Mu
ESCGP

LAND USE		UF					OL/ROW	UF	WB/OW	UF
WATERSHED NAME		BEAR CREEK								
WATERSHED CLASSIFICATION		HQ-CWF, MF								
CLASS LOCATION		CLASS I								
DESIGN FACTOR		0.72								
MAOP		1480 PSIG								

SOILS		OpD	Ho	WyD	ChB	LcB	OpD	MsB	OpD	WmB	

WATERBODY CROSSING METHOD	112114_JC_1003_P_IM	112114_JC_1002_P_MI	112114_JC_1001_P_MI
	I: DPX II: FX III: CD	I: DPX II: FX III: CD	I: DPX II: FX III: CD

PROFILE

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER MICHAEL DENICHILO PE086513

10/25/2019

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

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL

TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS

DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND
000-03-03-017.1	ACCESS ROAD DETAIL

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS

DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 844+79 TO STA. 871+18

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-033	B

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OWNERSHIP / FOOTAGE	871+18	PE-LU-208.000 2641'	897+59

STATIONING

878+75 P.I.~ 1°36'59" RT
879+86 P.I.~ 4°18'39" LT
880+72 EDGE OF WATERBODY 112014_JC_1003_P_IM
880+75 P.I.~ 1°26'08" RT
880+92 CENTERLINE OF STREAM
881+10 EDGE OF WATERBODY 112014_JC_1003_P_IM
882+48 P.I.~ 1°24'57" RT
888+22 EDGE OF WETLAND 112014_JC_002_PFO
889+78 EDGE OF WETLAND 112014_JC_002_PFO
890+23 EDGE OF WETLAND 112014_JC_002_PFO
890+96 EDGE OF WETLAND 112014_JC_002_PFO
890+96 EDGE OF WATERBODY 112014_JC_1002_P_MI
890+98 EDGE OF WETLAND 112014_JC_002_PFO
890+98 EDGE OF WATERBODY 112014_JC_1002_P_MI
891+22 EDGE OF WETLAND 112014_JC_002_PFO

M.P. 16.5
M.P. 17.0
LUZERNE COUNTY, PENNSYLVANIA
WETLAND 112014_JC_002_PSS
EDGE OF EASEMENT (PPL ELECTRIC UTILITIES CORP.)
STREAM PA-NHD-031
PE-LU-208.000
AR-031C (REFER TO ACCESS ROAD DETAIL)
WATERBODY 112014_JC_1003_P_IM - 2
WATERBODY 112014_JC_1003_P_IM - 1
WETLAND 112114_JC_001_PEM
EDGE OF EASEMENT (TRANSCONTINENTAL GAS PIPE LINE CORP.)
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
AR-031B (REFER TO ACCESS ROAD DETAIL)
PROPOSED 36" PENNEAST PIPELINE
WETLAND 112014_JC_002_PEM
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
875+00
885+00
890+00
895+00
900+00
SEE DWG. 000-03-01-033 STA. 871+18
SEE DWG. 000-03-01-035 STA. 897+59
WETLAND 112014_JC_004_PEM
WETLAND 112014_JC_003_PFO
EDGE OF EASEMENT (TRANSCONTINENTAL GAS PIPE LINE CORP.)
WATERBODY 112014_JC_1003_P_IM
STREAM PA-NHD-031
WETLAND 112014_JC_002_PFO
WATERBODY 112014_JC_1002_P_MI
WATERBODY 102715_BB_002_E_MI
STREAM PA-NHD-353
STREAM PA-NHD-369
WATERBODY PA-NHD-560
STREAM PA-NHD-318
WETLAND NWI-333
WmB
WmD
OpD
OpB
ASF
CnB
LEF
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	WB/OW	UF

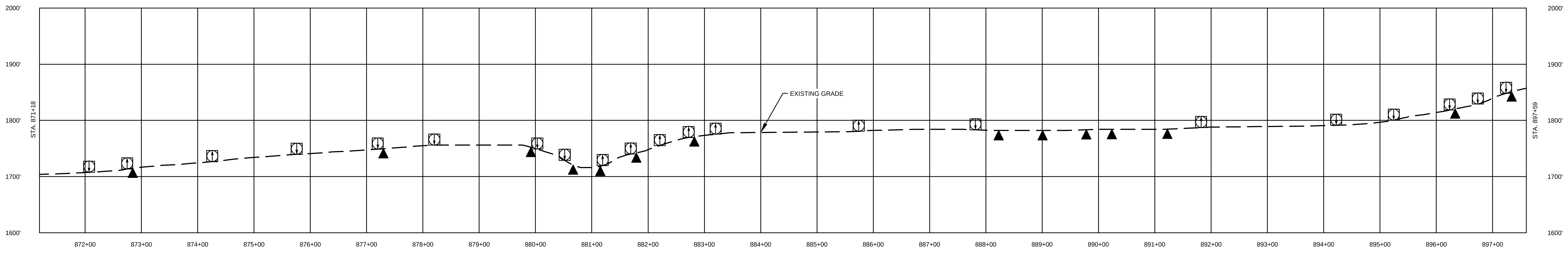
WATERSHED NAME		BEAR CREEK	MEADOW RUN
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF

SOILS		WmB	WmD	WmB	ASF	OpB	WmB	CnB	WmB	LEF	LcD	

WATERBODY CROSSING METHOD			112014_JC_1003_P_IM I: DPX II: FX III: CD		112014_JC_1002_P_MI I: DPX II: FX III: CD	

CLASS LOCATION		CLASS I	
DESIGN FACTOR		0.72	
MAOP		1480 PSIG	

PROFILE



MICHAEL DENICHILO
PE086513

10/25/2019

Know what's below. Call before you dig.

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL		
TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS	
DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND
000-03-03-017.1	ACCESS ROAD DETAIL

REVISIONS					
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APPROVALS	
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P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT
SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 871+18 TO STA. 897+59

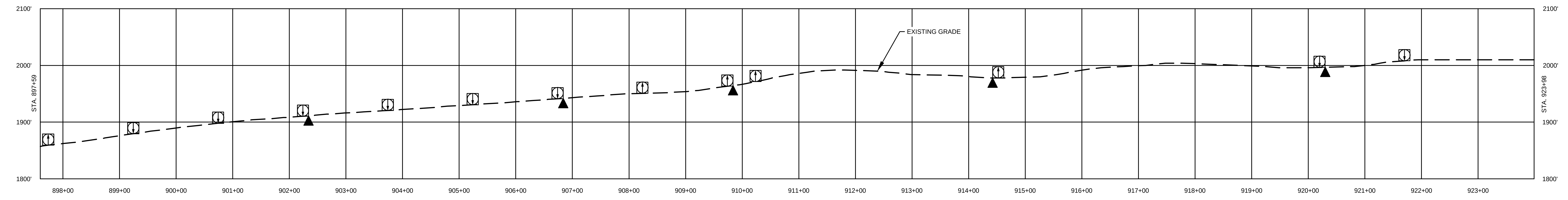
SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-034	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\MDATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-034.DWG 2019/10/16 BLA89970

OWNERSHIP / FOOTAGE	897+59 · PE-LU-208.000 2639' · 923+98
STATIONING	918+00 P.I. ~ 4°30'35" RT

LAND USE	UF
WATERSHED NAME	MEADOW RUN · LITTLE SHADES CREEK
WATERSHED CLASSIFICATION	HQ-CWF, MF · HQ-CWF, MF
SOILS	LcD · WmB · ArD · LcB · OpD · LcB · OpD · OpB
WATERBODY CROSSING METHOD	
CLASS LOCATION	CLASS I
DESIGN FACTOR	0.72
MAOP	1480 PSIG

PROFILE



MICHAEL DENICHILO
ENGINEER
PE086513

10/25/2019

Know what's below. Call before you dig.

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
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4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
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9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL		
TAG	QUANTITY	DESCRIPTION

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P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 897+59 TO STA. 923+98

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-035	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-035.DWG2019/10/16 SAG88748

OWNERSHIP / FOOTAGE								
923+98	PE-LU-208.000 931'	933+29						
			PE-LU-210.000 148'	934+77				
					PE-LU-208.000 280'	937+57		
							PE-LU-208.000-HWY 53'	938+10

OWNERSHIP / FOOTAGE (cont.)					
PE-LU-211.000 42'	938+52	PE-LU-212.000 29'	938+81	PE-LU-208.000 1157'	950+38

STATIONING

930+98 P.I.~ 1°01'43" RT
933+29 PROPERTY LINE
934+28 EDGE OF WETLAND 112014_JC_001_PFO
934+77 PROPERTY LINE
935+10 EDGE OF WETLAND 112014_JC_001_PFO
935+10 EDGE OF WATERBODY 112014_JC_1001_P_MI
935+14 EDGE OF WETLAND 112014_JC_001_PFO
935+14 EDGE OF WATERBODY 112014_JC_1001_P_MI
937+57 PROPERTY LINE
937+60 EDGE OF WETLAND 112014_JC_001_PFO
937+60 CENTERLINE OF ATTCH OVERHEAD LINE
937+70 EDGE OF PAVEMENT
937+83 CENTERLINE OF MEADOW RUN RD
937+97 EDGE OF PAVEMENT
938+10 EXISTING WALL
938+10 PROPERTY LINE
938+12 EXISTING WALL
938+28 P.I.~ 1°24'41" LT
938+52 PROPERTY LINE
938+81 PROPERTY LINE
939+17 P.I.~ 2°40'23" LT
940+16 P.I.~ 1°54'44" LT

LUZERNE COUNTY, PENNSYLVANIA
M.P. 17.5
M.P. 18.0
SEE DWG. 000-03-01-035 STA. 923+98
STA. 950+38 SEE DWG. 000-03-01-037
UTILITY EASEMENT
UNNAMED ROAD
AR-031C (REFER TO ACCESS ROAD DETAIL)
WETLAND 112014_JC_001_PSS
WETLAND 112014_JC_001_PEM
WETLAND 112014_JC_001_PFO
WETLAND NWI-334
WETLAND NWI-378
WETLAND NWI-453
WATERBODY 112014_JC_1001_P_MI
WATERBODY 102715_BB_1001_POND_IM
WATERBODY PA-NHD-570
MEADOW RUN ROAD/STATE 2038
PE-LU-208.000-HWY
LAT:41° 12' 8.71" N LONG:75° 42' 35.06" W
LAT:41° 12' 10.13" N LONG:75° 42' 41.52" W
LAT:41° 12' 7.04" N LONG:75° 42' 37.40" W
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
PROPOSED 36" PENNEAST PIPELINE
EXISTING WALL
PE-LU-208.000
PE-LU-209.000
PE-LU-210.000
PE-LU-211.000
PE-LU-212.000
925+00
930+00
935+00
940+00
945+00
950+00
25'
125'
75'
20'
55'
100'
SCALE: 1" = 100'
100 50 0 100
OpB
OpD
CnB
Mu
MsB
WmB
OXF
1920'
1930'
1940'
1950'
1960'
1970'
1980'
1990'
2000'
2010'
2020'

LAND USE	UF RE UF RD UF OL/ROW UF
WATERSHED NAME	LITTLE SHADES CREEK
WATERSHED CLASSIFICATION	HQ-CWF, MF
SOILS	OpB OpD CnB Mu CnB Mu OpD MsB OpD OpB
WATERBODY CROSSING METHOD	112014_JC_1001_P_MI I: DPX II: FX III: CD
CLASS LOCATION	CLASS I
DESIGN FACTOR	0.72
MAOP	1480 PSIG

PROFILE

MICHAEL DENICHILO
PE086513
10/25/2019

Know what's below. Call before you dig.

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL

TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS

DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND
000-03-03-017.1	ACCESS ROAD DETAIL

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS

DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 923+98 TO STA. 950+38

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-036	B

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OWNERSHIP / FOOTAGE
950+38
PE-LU-208.000
2642'
976+80

STATIONING
967+64 EDGE OF WATERBODY 111914_JC_1002_P_IM
968+22 CENTERLINE OF STREAM
968+70 EDGE OF WATERBODY 111914_JC_1002_P_IM

LUZERNE COUNTY, PENNSYLVANIA
M.P. 18.0
M.P. 18.5
TLAND MI-378
UTILITY EASEMENT
PE-LU-208.000
STREAM PA-NHD-037
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
PROPOSED 36" PENNEAST PIPELINE
950+00
955+00
960+00
965+00
970+00
975+00
980+00
SEE DWG. 000-03-01-036 STA. 950+38
STA. 976+80 SEE DWG. 000-03-01-038
ESCGP
OH
25'
20'
75'
125'
55'
100'
WATERBODY 111914_JC_1002_P_IM
WATERBODY 111914_JC_1001_P_IM
WETLAND 110315_GM_1001B_PSS
WETLAND 110315_GM_1001_PSS
STREAM PA-NHD-038
WATERBODY PA-NHD-543
PE-LU-208.000
PE-LU-213.000
WmB
OpB
OpD
OXF
LcD
MsB
1810'
1820'
1830'
1840'
1850'
1860'
1870'
1880'
1890'
1900'
1910'
1920'
1930'
1940'
1950'
1960'
SCALE: 1" = 100'
100 50 0 100

LAND USE: UF | WB/OW | UF

WATERSHED NAME: LITTLE SHADES CREEK

WATERSHED CLASSIFICATION: HQ-CWF, MF

SOILS: OpB | OXF | WmB | OpD | WmB | OpD | WmB | LcD | WmB

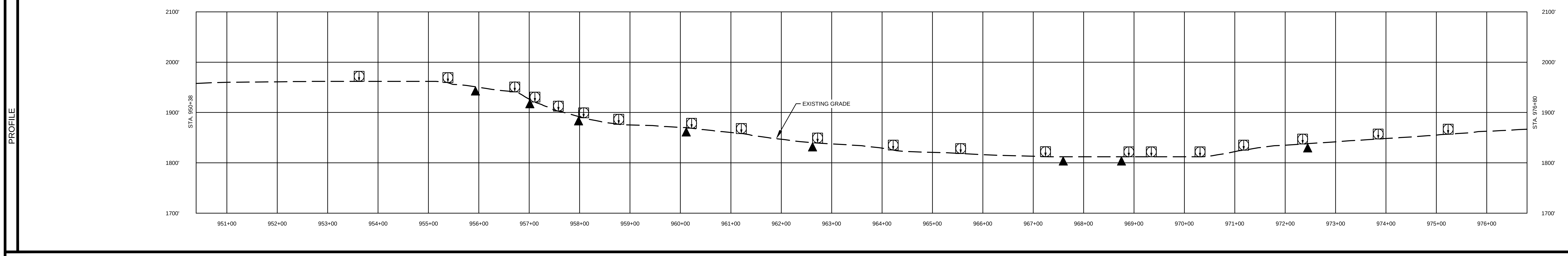
WATERBODY CROSSING METHOD:
111914_JC_1002_P_IM
I: DPX
II: FX
III: CD

CLASS LOCATION: CLASS I

DESIGN FACTOR: 0.72

MAOP: 1480 PSIG

PROFILE



MICHAEL DENICHILO
PE086513
10/25/2019

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

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL

TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS

DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS

	DATE
DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR
PennEast PIPELINE

PENNEAST PIPELINE PROJECT
SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 950+38 TO STA. 976+80

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-037	B

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OWNERSHIP / FOOTAGE	976+80	PE-LU-208.000 436'	981+16	PE-LU-213.000 2209'	1003+16

STATIONING

981+16 PROPERTY LINE

982+90 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE

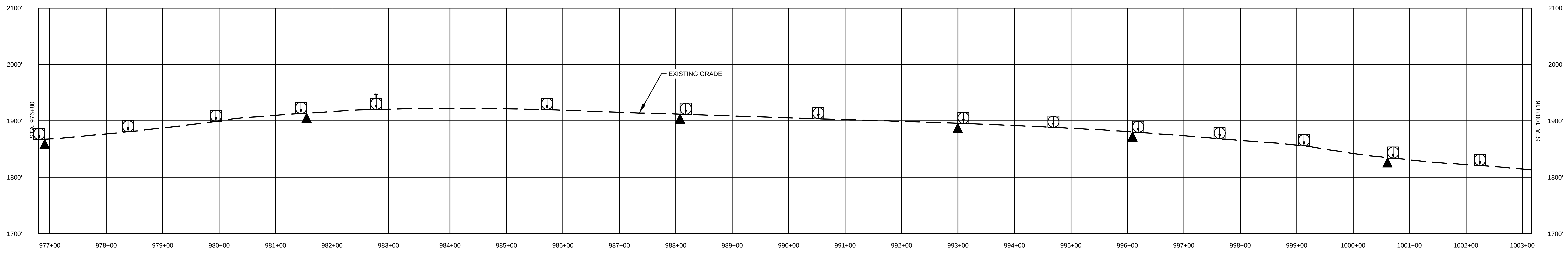
983+01 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE

983+33 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE

983+92 P.I.~ 47°41'50" RT

LAND USE		UF	OL/ROW	UF	
WATERSHED NAME		LITTLE SHADES CREEK			
WATERSHED CLASSIFICATION		HQ-CWF, MF			
SOILS		WmB	LcD	WmB	LcD	WmB	
WATERBODY CROSSING METHOD					
CLASS LOCATION		CLASS I	CLASS I		
DESIGN FACTOR		0.72	0.72		
MAOP		1480 PSIG			

PROFILE



MICHAEL DENICHILO
PE086513
10/25/2019

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

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL

TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS

DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS

DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

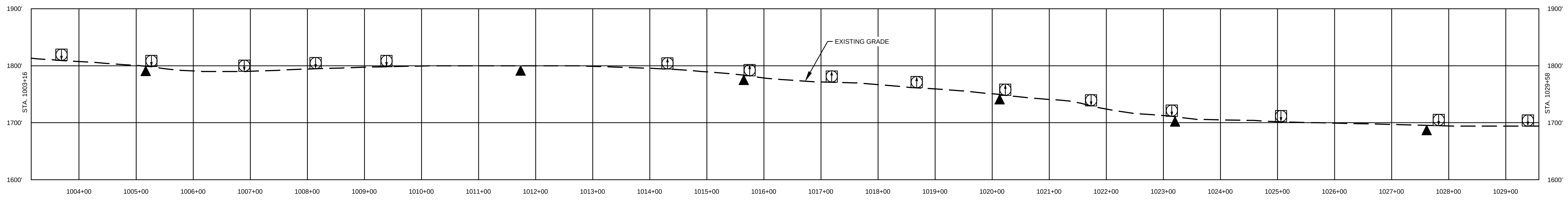
SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 976+80 TO STA. 1003+16

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-038	B

OWNERSHIP / FOOTAGE	1003+16	PE-LU-213.000 2642'	1029+58
STATIONING			

LAND USE		UF							
WATERSHED NAME		LITTLE SHADES CREEK							
WATERSHED CLASSIFICATION		HQ-CWF, MF							
SOILS		WmB	MsB	WmD	WmB	WmD	MsB	LcD	WmB
WATERBODY CROSSING METHOD									
CLASS LOCATION		CLASS I				CLASS II			
DESIGN FACTOR		0.72				0.60			
MAOP		1480 PSIG							

PROFILE



MICHAEL DENICHILO
PE086513
10/25/2019

Know what's below. Call before you dig.

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL

TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS

DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS

	DATE
DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1003+16 TO STA. 1029+58

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-039	B

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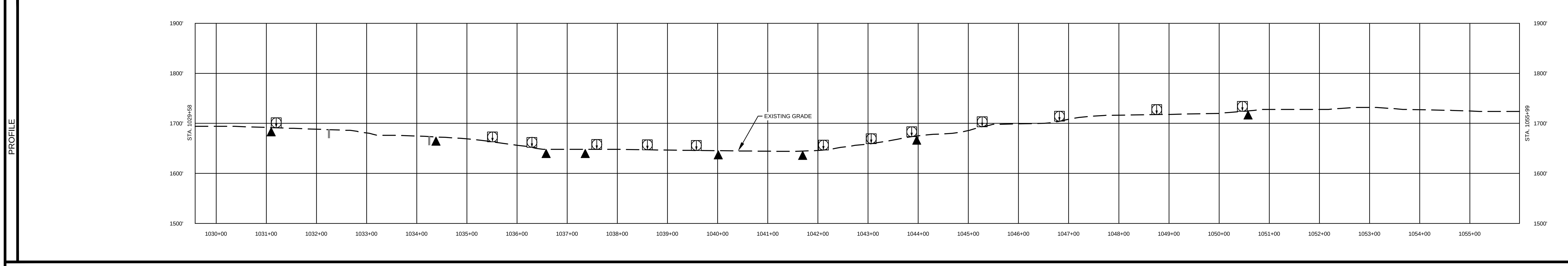
OWNERSHIP / FOOTAGE	1029+58	PE-LU-213.000 297'	1032+55	PE-LU-213.000-HWY 145'	1034+00	PE-LU-224.001 2199'	1055+99

STATIONING

1032+55 PROPERTY LINE
1033+19 CENTERLINE OF PP&L OVERHEAD LINE
1033+34 EDGE OF PAVEMENT
1033+51 CENTERLINE OF BEAR CREEK BLVD
1033+69 EDGE OF PAVEMENT
1033+84 CENTERLINE OF BT CO OF PA OVERHEAD LINE
1034+00 PROPERTY LINE
1034+63 P.I.~ 11°15'02" LT
1036+63 EDGE OF WATERBODY 121614_JC_1009_P_IM
1036+70 CENTERLINE OF STREAM
1036+89 EDGE OF WETLAND 121614_JC_001_PFO
1036+89 EDGE OF WATERBODY 121614_JC_1009_P_IM
1037+29 EDGE OF WETLAND 121614_JC_001_PFO
1038+16 P.I.~ 20°52'22" RT
1040+01 EDGE OF WETLAND 121614_JC_001_PFO
1041+69 EDGE OF WETLAND 121614_JC_001_PFO
1043+05 P.I.~ 9°34'19" LT
1044+05 P.I.~ 1°48'53" RT
1045+43 P.I.~ 3°20'04" LT
1047+33 P.I.~ 1°48'41" RT
1049+62 P.I.~ 1°13'31" LT
1051+30 P.I.~ 1°09'54" RT
1055+46 P.I.~ 1°14'10" LT

LUZERNE COUNTY, PENNSYLVANIA
M.P. 19.5
M.P. 20.0
PE-LU-218.000
PE-LU-219.000
PE-LU-220.000
PE-LU-221.000
PE-LU-222.000
PE-LU-223.000
PE-LU-213.001-ROAD
PE-LU-213.000-HWY
PE-LU-213.000
PE-LU-224.001
PE-LU-225.000
LAT: 41° 10' 50.11" N
LONG: 75° 41' 48.13" W
LAT:41° 10' 48.73" N
LONG:75° 41' 48.03" W
EXISTING OVERHEAD LINES
STREAM PA-NHD-388
STREAM PA-NHD-307
STREAM PA-NHD-451
STREAM PA-NHD-370
STREAM PA-NHD-359
WATERBODY 121614_JC_1009_P_IM
WATERBODY 121614_JC_1009_P_MI
WETLAND 121614_JC_001_PFO
WETLAND 121614_JC_001_PFO - 1
WETLAND 121614_JC_001_PFO - 2
WETLAND 121614_JC_001_PEM
WATERBODY 111315_GM_1003_E_MI
WATERBODY 111315_GM_1002_E_MI
WATERBODY 111315_GM_1001_E_MI
WATERBODY 121714_JC_1001_E_MI
WATERBODY 121614_JC_1007_P_MI
PROPOSED MLV-2 (REFER TO FACILITY EROSION AND SEDIMENT CONTROL PLAN)
PROPOSED 36" PENNEAST PIPELINE
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
BEAR CREEK BLVD / STATE RTE 115
UNNAMED ROAD
SEE DWG. 000-03-01-039 STA. 1029+58
STA. 1055+99 SEE DWG. 000-03-01-041
1030+00
1035+00
1040+00
1045+00
1050+00
1055+00
ESCGP
65'
115'
45'
35'
5'
70'
120'
30'
LcD
LaB
WmB
Bf
OXF
Ln
OpD
1640'
1650'
1660'
1670'
1680'
1690'
1700'
1710'
1720'
1730'
1740'
1750'
1760'
1770'
1780'
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	RD	UF	WB/OW	UF	
WATERSHED NAME		LITTLE SHADES CREEK	SHADES CREEK				
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF				
SOILS		WmB	LcD	LaB	Ln	LcD	OXF	LcD	
WATERBODY CROSSING METHOD			121614_JC_1009_P_IM I: DPX II: FX III: CD				
CLASS LOCATION		CLASS II	CLASS I				
DESIGN FACTOR		0.60	0.72				
MAOP		1480 PSIG					



COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
MICHAEL DENICHILO
ENGINEER
PE086513

10/25/2019

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

LAND USE	
1. AGRICULTURAL (AG)	10. OPEN WATERBODIES (WB / OW)
2. COMMERCIAL / INDUSTRIAL (CI)	
3. UPLAND FOREST (UF)	
4. INSTITUTIONAL (IN)	
5. URBAN (UR)	
6. OPEN LAND (EXISTING ROW, OPEN FIELDS, NON-AGRICULTURAL) (OL)	
7. RESIDENTIAL (RE)	
8. ROADWAYS / RAILROADS (RD)	
9. SPECIAL LAND USE (CHURCHES, PARKS, ETC) (SP)	

MATERIAL

TAG	QUANTITY	DESCRIPTION

REFERENCE DRAWINGS

DWG. NO.	TITLE
000-01-01-001B	TABLE OF CONTENTS AND LEGEND

REVISIONS

NO.	REVISIONS	DATE	DRAWN	CK	APPR
A	ISSUED FOR PADEP	10/2018	AJD (MM)	MWF (MM)	MJD (MM)
B	REVISED FOR PADEP	10/2019	AJD (MM)	HNB (MM)	MJD (MM)

APPROVALS

DRAWN BY	DATE
AJD (MM)	10/15/2018
CHECKED BY	DATE
MWF (MM)	10/15/2018
ENG. APPROVAL	DATE
MJD (MM)	10/15/2018
P.M. APPROVAL	DATE

SCALE PLAN: 1" = 100'
SCALE PROFILE H: 1" = 100'
SCALE PROFILE V: 1" = 100'

CLIENT APPROVAL

DATE

PREPARED FOR

PennEast PIPELINE

PENNEAST PIPELINE PROJECT

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
LUZERNE COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1029+58 TO STA. 1055+99

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-040	B