OWNERSHIP / FOOTAGE	1319+99	PE-CA-006.000 2640' — 1346+39
STATIONING		

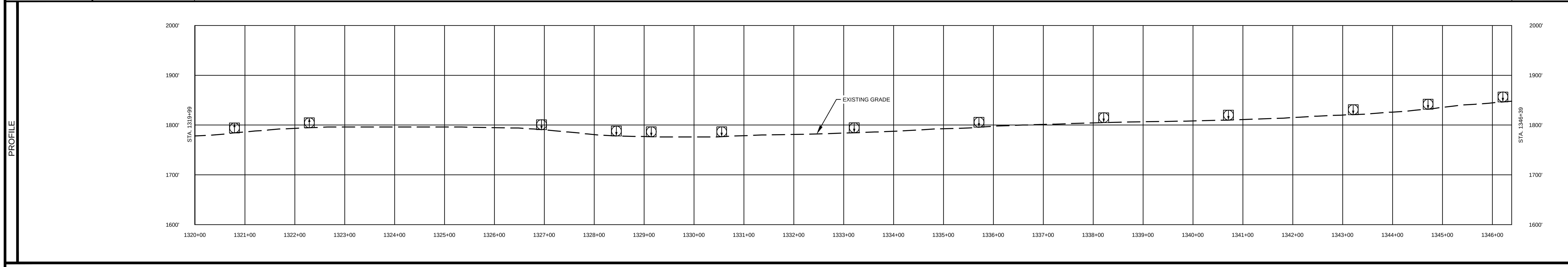
M.P. 25.0
M.P. 25.5
CARBON COUNTY, PENNSYLVANIA
PE-CA-005.000
AR-034A (REFER TO ACCESS ROAD DETAIL)
UNNAMED ROAD
PROPOSED STAGING AREA PE-STA-B-05
WETLAND 110614_JC_001_VP
PROPOSED 36" PENNEAST PIPELINE
SEE DWG. 000-03-01-050 STA. 1319+99
STA. 1346+39 SEE DWG. 000-03-01-052
1325+00
1330+00
1335+00
1340+00
1345+00
1350+00
75'
275'
125'
35'
20'
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
AR-034 (REFER TO ACCESS ROAD DETAIL)
PE-CA-006.000
McB
LkD
AcB
McD
LkB
1760'
1770'
1780'
1790'
1800'
1810'
1820'
1830'
1840'
1850'
1860'
1870'
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF		OL/ROW	UF	
WATERSHED NAME		PORTER RUN		BLACK CREEK		
WATERSHED CLASSIFICATION		HQ-CWF, MF		HQ-CWF, MF		

SOILS		McB	LkD	McB	AcB	McB	McD	

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
000-03-03-020.2	ACCESS ROAD DETAIL
000-03-03-020.1	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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1319+99 TO STA. 1346+39

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-051	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\M\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-051.DWG2019/10/22 PAN41582

OWNERSHIP / FOOTAGE	1346+39	PE-CA-006.000 1639'	1362+78	PE-CA-007.000 1002'	1372+80

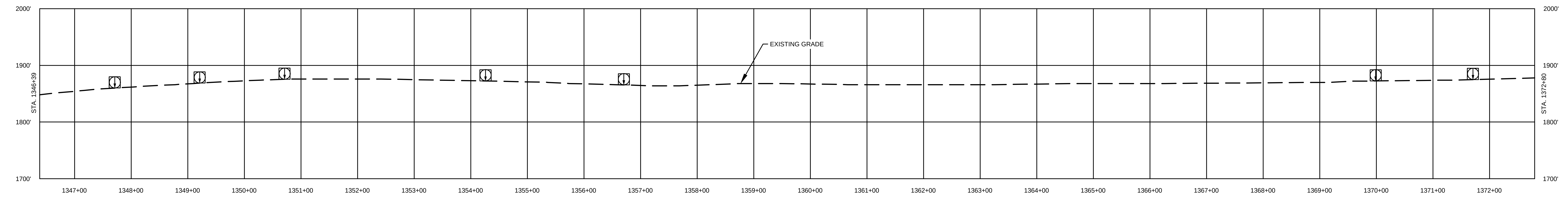
STATIONING

1362+78 PROPERTY LINE
1362+78 P.I.~ 10°02'04" LT
1363+78 P.I.~ 10°05'15" RT

CARBON COUNTY, PENNSYLVANIA
M.P. 25.5
M.P. 26.0
PROPOSED 36" PENNEAST PIPELINE
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
SEE DWG. 000-03-01-051 STA. 1346+39
SEE DWG. 000-03-01-053 STA. 1372+80
1345+00
1350+00
1355+00
1360+00
1365+00
1370+00
1375+00
PE-CA-006.000
PE-CA-007.0000
75'
20'
65'
35'
McD
LkB
McB
1820'
1830'
1840'
1850'
1860'
1870'
1880'
SCALE: 1" = 100'
100 50 0 100

LAND USE	UF
WATERSHED NAME	BLACK CREEK
WATERSHED CLASSIFICATION	HQ-CWF, MF
SOILS	McD / LkB / McD / McB
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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1346+39 TO STA. 1372+80

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-052	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-052.DWG2019/10/20 PAN41582

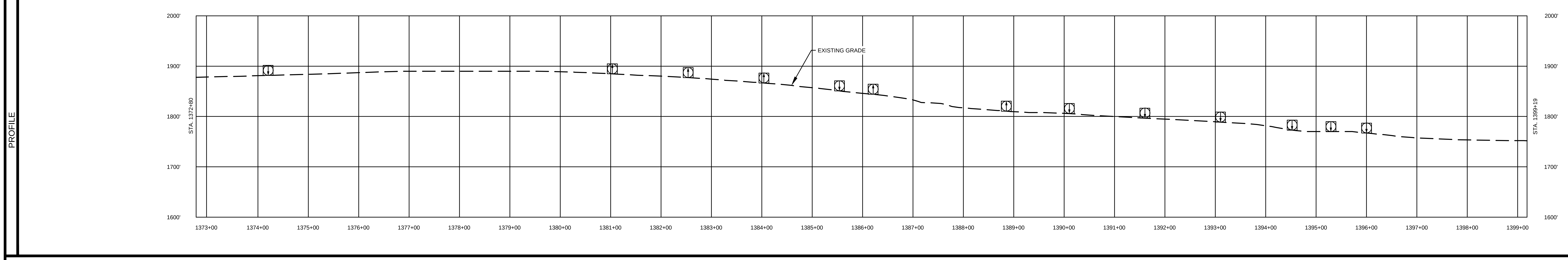
OWNERSHIP / FOOTAGE	1372+80	PE-CA-007.000 783'	1380+61	PE-CA-005.000 661'	1387+22
		PE-CA-005.000-HWY 55'	1387+77	PE-CA-005.000 1142'	1399+19

STATIONING

1373+02 P.I.~ 13°39'11" LT
1380+61 PROPERTY LINE
1381+51 P.I.~ 30°47'25" RT
1387+11 CENTERLINE OF PP&L OVERHEAD LINE
1387+18 EDGE OF PAVEMENT
1387+22 PROPERTY LINE
1387+25 EDGE OF PAVEMENT
1387+37 CENTERLINE OF UGI UTILITIES, INC. PIPELINE
1387+41 CENTERLINE OF STATE ROUTE 940
1387+57 EDGE OF PAVEMENT
1387+60 GUARDRAIL
1387+60 GUARDRAIL
1387+63 CENTERLINE OF UGI UTILITIES, INC. PIPELINE
1387+68 CENTERLINE OF OVERHEAD LINE
1387+77 PROPERTY LINE
1389+77 P.I.~ 13°06'44" LT
1394+78 EDGE OF WETLAND 102114_JC_001B_PFO
1395+04 EDGE OF WETLAND 102114_JC_001B_PFO
1397+97 EDGE OF WETLAND 102114_JC_001_PEM
1398+75 EDGE OF WETLAND 102114_JC_001_PEM

CARBON COUNTY, PENNSYLVANIA
M.P. 26.0
M.P. 26.5
EXISTING SEWER LINE
PE-CA-005.000
PE-CA-007.0000
PROPOSED 36" PENNEAST PIPELINE
EXISTING OVERHEAD LINE
PE-CA-A004.000
STATE ROUTE 940
SEE DWG: 000-03-01-052 STA. 1372+80
STA. 1399+19 SEE DWG: 000-03-01-054
1370+00
1375+00
1380+00
1385+00
1390+00
1395+00
1400+00
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
EXISTING GAS LINES (UGI UTILITIES INC.)
UTILITY EASEMENT
UNNAMED ROAD
PE-CA-005.000-HWY
PE-CA-008.000
PE-CA-009.000
PE-CA-010.000
PE-CA-A005.000
PE-CA-011.000
PE-CA-012.000
WETLAND 102114_JC_001B_PFO
WATERBODY 102114_JC_1003_E_MI
WATERBODY 102114_JC_1001_P_MI
WETLAND 102114_JC_001_PEM
WATERBODY 102114_JC_1002_P_MI
WETLAND 102114_JC_001B_PSS
WETLAND 112414_JC_003_PEM
McB
McD
AcB
NvB
65'
60'
35'
115'
45'
30'
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	CI	UF	OL/ROW	UF	RD	UF	
WATERSHED NAME		BLACK CREEK							
WATERSHED CLASSIFICATION		HQ-CWF, MF							
SOILS		McB	McD	AcB	MrB				
CLASS LOCATION		CLASS I	CLASS III	CLASS I					
DESIGN FACTOR		0.72	0.50	0.72					
MAOP		1480 PSIG							



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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1372+80 TO STA. 1399+19

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-053	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-053.DWG2019/10/20 PAN41582

OWNERSHIP / FOOTAGE

Station	Parcel	Footage
1399+19 – 1400+32	PE-CA-005.000	113'
1400+32 – 1403+33	PE-CA-012.000	301'
1403+33 – 1422+24	PE-CA-012.001	1891'
1422+24 – 1426+09	PE-CA-012.000-HWY	385'
1426+09 – 1432+06	PE-CA-012.000	597'

STATIONING

1400+32 PROPERTY LINE
1401+40 P.I.~ 8°59'08" LT
1403+07 EDGE OF WATERBODY 102114_JC_1001_P_MI
1403+13 CENTERLINE OF STREAM
1403+14 EDGE OF WATERBODY 102114_JC_1001_P_MI
1403+33 PROPERTY LINE
1403+38 P.I.~ 1°05'27" LT
1412+45 P.I.~ 90°00'00" RT
1412+47 EDGE OF WETLAND 102114_JC_001_PEM
1412+72 P.I.~ 90°00'00" LT
1412+82 P.I.~ 90°00'00" LT
1413+09 EDGE OF WETLAND 102114_JC_001_PEM
1413+32 P.I.~ 90°00'00" LT
1415+79 P.I.~ 90°00'00" RT
1416+54 P.I.~ 90°01'17" RT
1422+24 FENCE LINE
1422+24 PROPERTY LINE
1422+34 EDGE OF WETLAND 102114_JC_001_PEM
1422+60 EDGE OF WETLAND 102114_JC_001_PEM
1422+93 EDGE OF PAVEMENT
1423+13 CENTERLINE OF I-80
1423+33 EDGE OF PAVEMENT
1423+39 EDGE OF WETLAND 102314_JC_004_PEM
1425+27 EDGE OF WETLAND 102314_JC_004_PEM
1425+38 EDGE OF PAVEMENT
1425+58 CENTERLINE OF I-80
1425+78 EDGE OF PAVEMENT
1426+09 PROPERTY LINE
1428+64 EDGE OF WETLAND 102314_JC_002_PFO
1428+71 EDGE OF WETLAND 102314_JC_002_PFO
1428+72 EDGE OF GRAVEL
1428+78 CENTERLINE OF UNNAMED ROAD
1428+84 EDGE OF GRAVEL
1429+03 EDGE OF WETLAND 102314_JC_002_PFO
1429+69 EDGE OF WETLAND 102314_JC_002_PFO
1430+84 EDGE OF WETLAND 102314_JC_002_PSS

MICHAEL DENICHILO
PE086513
10/25/2019

M.P. 26.5
CARBON COUNTY, PENNSYLVANIA
M.P. 27.1R2
PE-CA-012.000
PE-CA-005.000
PE-CA-012.001
PE-CA-012.000-HWY
WATERBODY 102114_JC_1003_E_MI
WATERBODY 102114_JC_1001_P_MI
WETLAND 102114_JC_001_PEM
WETLAND 102114_JC_001B_PSS
WATERBODY 102114_JC_1002_P_MI
WETLAND 112414_JC_003_PEM
WETLAND 112414_JC_002_PFO
WATERBODY 112414_JC_1004_P_MI
WETLAND 102114_JC_001_PFO
WATERBODY 112514_JC_1001_I_MI
PROPOSED INTERSTATE I-80 HDD ENTRY/EXIT POINT STA. 1416+54 (REFER TO HDD DETAIL)
PROPOSED 36" PENNEAST PIPELINE
UTILITY EASEMENT
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
PROPOSED KIDDER COMPRESSOR STATION (REFER TO FACILITY POST CONSTRUCTION STORMWATER MANAGMENT PLAN)
WETLAND 102114_JC_001A_PSS
WETLAND 102314_JC_004_PEM
WETLAND 102114_JC_001_PEM
WETLAND 102314_JC_001_PEM
UNNAMED ROAD
WETLAND 102314_JC_002_PSS
WETLAND 102314_JC_002_PFO
WATERBODY PA-NHD-613
WETLAND NWI-003
WETLAND NWI-465
SEE DWG. 000-03-01-053 STA. 1399+19
SEE DWG. 000-03-01-055 STA. 1432+06
1400+00
1405+00
1410+00
1420+00
1425+00
1430+00
1435+00
ESCGP
MrB
NvB
SCALE: 1" = 100'
100 50 0 100

LAND USE	UF | WB/OW | UF | UF | OL/ROW | RD | UF | RD | UF | RD | UF
WATERSHED NAME	BLACK CREEK
WATERSHED CLASSIFICATION	HQ-CWF, MF
SOILS	MrB | NvB | MrB | MrB | Mu
CLASS LOCATION	CLASS I
DESIGN FACTOR	0.72
MAOP	1480 PSIG

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
000-03-07-013	HDD EXHIBIT PLAN AND PROFILE

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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1399+19 TO STA. 1432+06

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-054	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-054.DWG2019/10/20 PAN41582

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-055.DWG2019/10/20 PAN41582

OWNERSHIP / FOOTAGE	1432+06	PE-CA-012.000 2675'	1458+81	
STATIONING		1445+15 EDGE OF WETLAND 102314_JC_002_PSS 1454+77 P.I.~ 44°14'01" RT 1456+02 P.I.~ 44°13'43" LT		

CARBON COUNTY, PENNSYLVANIA
M.P. 27.1R2
M.P. 27.6R2
SEE DWG: 000-03-01-054
STA. 1432+06
STA. 1458+81
SEE DWG: 000-03-01-056
WETLAND NWI-003
MrB
WETLAND 102314_JC_002_PFO
WETLAND 102314_JC_002_PFO
WETLAND 102314_JC_002_PSS
WATERBODY PA-NHD-613
WETLAND NWI-465
1750'
WETLAND NWI-003
STREAM PA-NHD-041
WATERBODY PA-NHD-613
1430+00
1435+00
1440+00
1445+00
1450+00
1455+00
1460+00
ESCGP
WETLAND 102314_JC_002_PSS
PE-CA-012.000
WATERBODY PA-NHD-613
WETLAND NWI-003
STREAM PA-NHD-041
WETLAND NWI-345
WETLAND NWI-465
Mu
1760'
1770'
1780'
1790'
1800'
1810'
1820'
TuB
TuC
WATERBODY 102314_JC_1001_P_MI
PROPOSED 36" PENNEAST PIPELINE
PROPOSED INTERSTATE I-80 HDD ENTRY/EXIT POINT STA. 1454+77 (REFER TO HDD DETAIL)
220'
115'
115'
35'
UNNAMED ROAD
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
WETLAND 102214_JC_001_PEM
SCALE: 1" = 100'
100 50 0 100

LAND USE	UF	WB/OW	UF	
WATERSHED NAME	BLACK CREEK			
WATERSHED CLASSIFICATION	HQ-CWF, MF			
SOILS	Mu	TuB	TuC	
CLASS LOCATION	CLASS I			
DESIGN FACTOR	0.72			
MAOP	1480 PSIG			

PROFILE

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
000-03-07-013	HDD EXHIBIT PLAN AND PROFILE

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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1432+06 TO STA. 1458+81

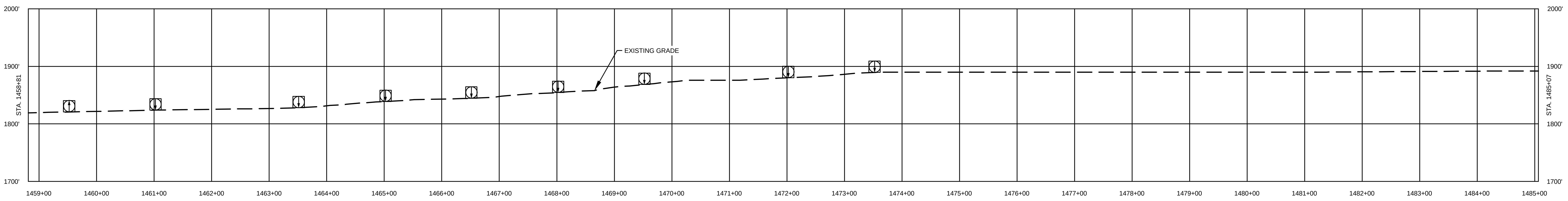
SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-055	B

OWNERSHIP / FOOTAGE	1458+81	PE-CA-012.000 2626'	1485+07	
STATIONING		1472+92 P.I. ~ 13°33' LT	1483+72 P.I. ~ 21°58' LT	

CARBON COUNTY, PENNSYLVANIA
M.P. 27.6R2
M.P. 28.1R2
PROPOSED 36" PENNEAST PIPELINE
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UNNAMED ROAD
UTILITY EASEMENT
WETLAND 102214_JC_001_PEM
WETLAND 102314_JC_003_PSS
WETLAND NWI-416
PE-CA-013.000
PE-CA-012.000
SEE DWG. 000-03-01-055 STA. 1458+81
STA. 1485+07 SEE DWG. 000-03-01-057
1455+00
1460+00
1465+00
1470+00
1475+00
1480+00
1485+00
220'
115'
65'
35'
25'
TuC
SwB
McB
VsB
Hy
1790'
1800'
1810'
1820'
1830'
1840'
1850'
1860'
1870'
1880'
1890'
1900'
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	OL/ROW	UF
WATERSHED NAME		BLACK CREEK		FOURTH RUN
WATERSHED CLASSIFICATION		HQ-CWF, MF		HQ-CWF, MF
SOILS		TuC	McB	VsB
CLASS LOCATION		CLASS I		
DESIGN FACTOR		0.72		
MAOP		1480 PSIG		

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

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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1458+81 TO STA. 1485+07

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-056	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-056.DWG2019/10/20 PAN41582

OWNERSHIP / FOOTAGE	1485+07	PE-CA-012.000 2644'	1511+51
STATIONING	1485+09 P.I.~ 33°36'55" LT 1485+64 P.I.~ 3°44'31" LT 1491+67 P.I.~ 1°55'50" LT 1494+60 P.I.~ 1°17'57" RT 1502+17 EDGE OF DIRT 1502+20 CENTERLINE OF UNNAMED ROAD 1502+23 EDGE OF DIRT 1505+81 CENTERLINE OF UNNAMED ROAD		

M.P.
28.1R2
CARBON COUNTY, PENNSYLVANIA
M.P.
28.6R2
PE-CA-013.000
WETLAND
NWI-416
WETLAND
102314_JC_003_PSS
65'
115'
115'
25'
35'
ESCGP
1485+00
1490+00
1495+00
1500+00
1505+00
1510+00
1515+00
SEE DWG. 000-03-01-056
STA. 1485+07
SEE DWG. 000-03-01-058
STA. 1511+51
PE-CA-012.000
PROPOSED 36" PENNEAST PIPELINE
UTILITY EASEMENT
EXISTING PETROLEUM LINES
(BUCKEYE PARTNERS, LP)
65'
35'
UNNAMED ROAD
UNNAMED ROAD
UNNAMED ROAD
SwB
VsB
McD
1890'
1900'
1910'
1920'
1930'
1940'
1950'
1960'
1970'
1980'
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	
WATERSHED NAME		FOURTH RUN	
WATERSHED CLASSIFICATION		HQ-CWF, MF	
SOILS		VsB / SwB	
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

REVISIONS

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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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1485+07 TO STA. 1511+51

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-057	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-057.DWG2019/10/20 PAN41582

OWNERSHIP / FOOTAGE	1511+51	PE-CA-012.000 1522'	1526+73	PE-CA-014.000 1140'	1538+13

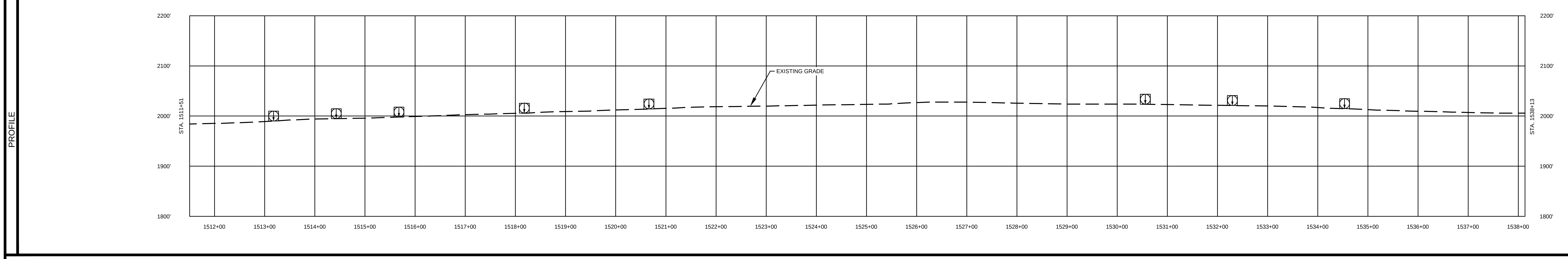
STATIONING

1514+83 EDGE OF DIRT
1514+86 CENTERLINE OF UNNAMED ROAD
1514+89 EDGE OF DIRT
1526+73 PROPERTY LINE
1528+28 CENTERLINE OF PPL ELECTRIC UTILITIES CORP. OVERHEAD LINE
1528+41 EDGE OF GRAVEL
1528+51 CENTERLINE OF UNNAMED ROAD
1528+59 EDGE OF GRAVEL

M.P. 28.6R2
M.P. 29.1R2
CARBON COUNTY, PENNSYLVANIA
PE-CA-012.000
McD
LkD
SwB
UNNAMED ROAD
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
PROPOSED 36" PENNEAST PIPELINE
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
ESCCP
1510+00
1515+00
1520+00
1525+00
1530+00
1535+00
65'
35'
215'
115'
1970'
1980'
1990'
2000'
2010'
2020'
2030'
2040'
SEE DWG: 000-03-01-057 STA. 1511+51
STA. 1538+13 SEE DWG: 000-03-01-059
PE-CA-014.000
SCALE: 1" = 100'
100 50 0 100

LAND USE	UF	OL/ROW	UF
WATERSHED NAME	FOURTH RUN	HICKORY RUN	
WATERSHED CLASSIFICATION	HQ-CWF, MF	HQ-CWF, MF	
SOILS	SwB	McD	SwB
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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1511+51 TO STA. 1538+13

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-058	B

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OWNERSHIP / FOOTAGE	1538+13	PE-CA-014.000 759'	1545+64	PE-CA-015.000 1872'	1564+36

STATIONING

1538+72 P.I. - 58°17'08" RT
1539+18 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE
1539+19 CENTERLINE OF UNNAMED ROAD
1539+23 EDGE OF DIRT
1543+77 P.I. - 17°36'50" RT
1543+88 CENTERLINE OF PPL ELECTRIC UTILITIES CORP. OVERHEAD LINE
1544+27 P.I. - 17°34'35" LT
1544+33 EDGE OF GRAVEL
1544+42 CENTERLINE OF UNNAMED ROAD
1544+49 EDGE OF GRAVEL
1545+64 PROPERTY LINE
1551+26 P.I. - 1°04'35" RT
1562+51 EDGE OF WETLAND 050115_JC_1001_PFO

CARBON COUNTY, PENNSYLVANIA
M.P. 29.1R2
M.P. 29.6R2
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
AR-036A (REFER TO ACCESS ROAD DETAIL)
UNNAMED ROAD
PROPOSED 36" PENNEAST PIPELINE
PE-CA-014.000
PE-CA-015.000
WETLAND 050115_JC_1001_PFO
WETLAND 042415_JC_1005_PEM
STREAM PA-NHD-403
SEE DWG. 000-03-01-058 STA. 1538+13
STA. 1564+36 SEE DWG. 000-03-01-060
1540+00
1545+00
1550+00
1555+00
1560+00
1565+00
115'
65'
35'
55'
20'
15'
105'
SwB
WvB
LkD
VeD
McD
McB
MrB
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	

WATERSHED NAME		HICKORY RUN			
WATERSHED CLASSIFICATION		HQ-CWF, MF			
SOILS		SwB	LkD	McD	MrB
CLASS LOCATION		CLASS I			
DESIGN FACTOR		0.72			
MAOP		1480 PSIG			

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
000-03-03-022.1_C	ACCESS ROAD DETAIL

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

SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1538+13 TO STA. 1564+36

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-059	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-059.DWG 2019/10/22 PA41582

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OWNERSHIP / FOOTAGE	1564+36	PE-CA-015.000 2101'	1585+37	PE-CA-016.000 540'	1590+77

STATIONING

1570+91 EDGE OF WETLAND 050115_JC_1001_PFO
1575+76 P.I.- 1°10'54" RT
1583+44 P.I.- 11°27'34" LT
1583+86 EXISTING WALL
1583+94 P.I.- 11°50'30" RT
1585+37 PROPERTY LINE
1587+53 EXISTING WALL

CARBON COUNTY, PENNSYLVANIA
M.P. 29.6R2
M.P. 30.1R2
PE-CA-015.000
PE-CA-016.000
WETLAND 050115_JC_1001_PFO
WETLAND 042415_JC_1005_PEM
WETLAND 042415_JC_1004_PEM
WETLAND NWI-419
WATERBODY PA-NHD-010
STREAM PA-NHD-403
SEE DWG: 000-03-01-059 STA. 1564+36
STA. 1590+77 SEE DWG: 000-03-01-061
1565+00
1570+00
1575+00
1580+00
1585+00
1590+00
105'
55'
75'
20'
25'
ESCGP
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
PROPOSED 36" PENNEAST PIPELINE
EXISTING ROCK WALL
UTILITY EASEMENT
1890'
1900'
1910'
1920'
1930'
1940'
1950'
1960'
1970'
MrB
McB
Mu
AcB
DsB
SCALE: 1" = 100'
100 50 0 100

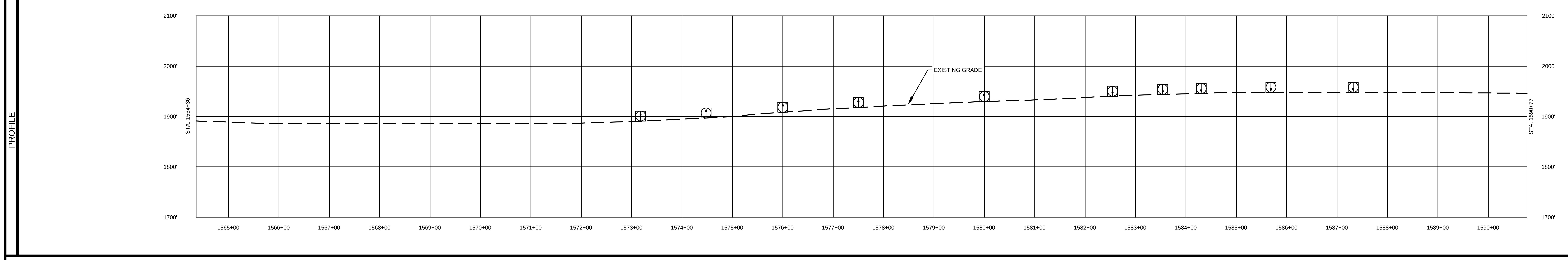
LAND USE	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF

WATERSHED NAME	HICKORY RUN
WATERSHED CLASSIFICATION	HQ-CWF, MF

SOILS	MrB	Mu	AcB	McB	DsB

CLASS LOCATION	CLASS I
DESIGN FACTOR	0.72
MAOP	1480 PSIG

PROFILE



REGISTERED PROFESSIONAL ENGINEER
MICHAEL DENICHILO
PE086513
10/25/2019

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LAND USE	
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2. COMMERCIAL / INDUSTRIAL (CI)	
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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

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000-01-01-001B	TABLE OF CONTENTS AND LEGEND

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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

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ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1564+36 TO STA. 1590+77

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-060	B