OWNERSHIP / FOOTAGE	1590+77	PE-CA-016.000 2196'	1612+73
		PE-CA-015.000 325'	1615+98
		PE-CA-017.000 120'	1617+18

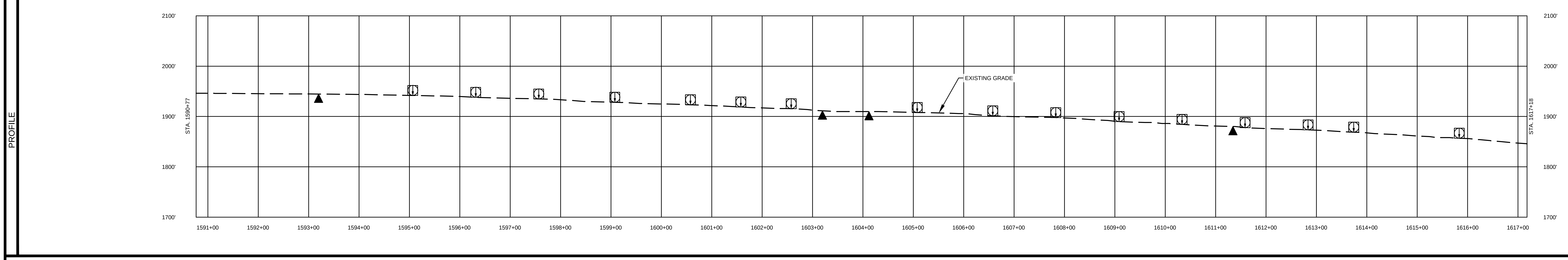
STATIONING

1603+19 EDGE OF WETLAND 042415_JC_1003_PSS
1604+12 EDGE OF WETLAND 042415_JC_1003_PSS
1608+53 P.I.~ 11°32'13" RT
1609+03 P.I.~ 11°32'13" LT
1612+73 PROPERTY LINE
1615+98 PROPERTY LINE

CARBON COUNTY, PENNSYLVANIA
M.P. 30.1R2
M.P. 30.6R2
PE-CA-016.000
PE-CA-015.000
PE-CA-017.000
PROPOSED 36" PENNEAST PIPELINE
UTILITY EASEMENT
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
WETLAND 042415_JC_1004_PEM
WETLAND 042415_JC_1003_PSS
WATERBODY 042415_JC_1006_E_MI - 1
WATERBODY 042415_JC_1006_E_MI
WATERBODY 042415_JC_1006_E_MI - 2
SEE DWG: 000-03-01-060 STA. 1590+77
STA. 1617+18 SEE DWG: 000-03-01-062
1590+00
1595+00
1600+00
1605+00
1610+00
1615+00
1620+00
ESCGP
55'
75'
125'
105'
15'
25'
20'
1970'
1960'
1950'
1940'
1930'
1920'
1910'
1900'
1890'
1880'
1870'
1860'
1850'
1840'
1830'
DsB
SmB
DeB
ArB
LkB
LkD
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF		
WATERSHED NAME		HICKORY RUN	HAWK RUN	LAUREL RUN
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF	HQ-CWF, MF
SOILS		DsB	SmB	
WATERBODY CROSSING METHOD				
CLASS LOCATION		CLASS I		
DESIGN FACTOR		0.72		
MAOP		1480 PSIG		

PROFILE



COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
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

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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1590+77 TO STA. 1617+18

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-061	B

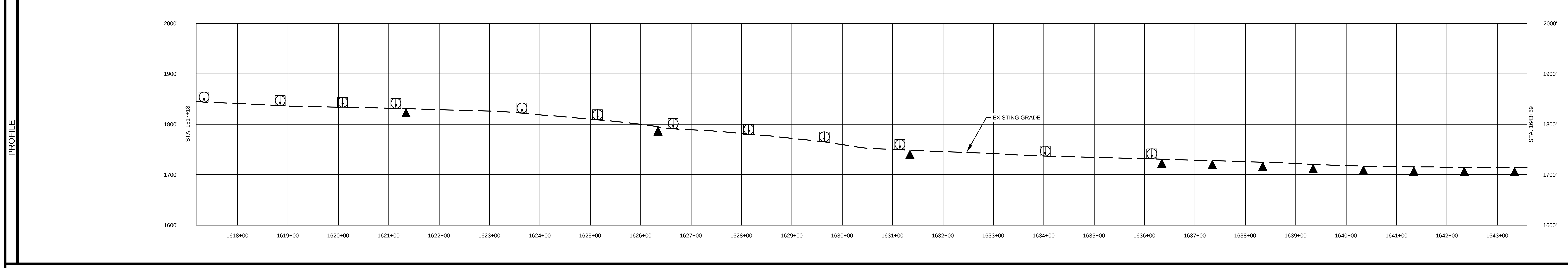
G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-061.DWG2019/10/17 BLA89970

OWNERSHIP / FOOTAGE	1617+18	PE-CA-017.000 2641'	1643+59
STATIONING		1636+34 EDGE OF WETLAND 042415_JC_1001_PFO	

CARBON COUNTY, PENNSYLVANIA
M.P. 30.6R2
M.P. 31.1R2
PE-CA-017.000
PROPOSED 36" PENNEAST PIPELINE
WETLAND 042415_JC_1001_PFO
WATERBODY 042415_JC_1005_D_MI
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
WETLAND 042415_JC_1002_PEM
WATERBODY 042415_JC_1003_I_MI
WETLAND 042415_JC_1001_PFO
SEE DWG. 000-03-01-061 STA. 1617+18
STA. 1643+59 SEE DWG. 000-03-01-063
1615+00
1620+00
1625+00
1630+00
1635+00
1640+00
1645+00
55'
15'
105'
20'
DeD
ArB
SmB
LtA
ESCGP
PE-CA-015.000
PE-CA-017.000
PE-CA-018.000
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
WATERSHED NAME		LAUREL RUN
WATERSHED CLASSIFICATION		HQ-CWF, MF
SOILS		SmB · LtA
WATERBODY CROSSING METHOD		
CLASS LOCATION		CLASS I
DESIGN FACTOR		0.72
MAOP		1480 PSIG

PROFILE



COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
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

REVISIONS					
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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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1617+18 TO STA. 1643+59

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-062	B

OWNERSHIP / FOOTAGE	1643+59	PE-CA-017.000 1139'	1654+98	PE-CA-018.000 449'	1659+47	PE-CA-017.000 400'	1663+47	PE-CA-019.000 654'	1669+95

STATIONING

1646+94 EDGE OF WETLAND 042415_JC_1001_PFO
1646+94 EDGE OF WATERBODY 042415_JC_1004_P_MI
1647+11 EDGE OF WATERBODY 042415_JC_1004_P_MI
1647+11 EDGE OF WETLAND 042415_JC_1001_PFO
1648+91 EDGE OF WETLAND 042415_JC_1001_PFO
1648+91 EDGE OF WATERBODY 042415_JC_1002_P_IN
1649+08 EDGE OF WETLAND 042415_JC_1001_PFO
1649+08 EDGE OF WATERBODY 042415_JC_1002_P_IN
1653+45 EDGE OF WETLAND 042415_JC_1001_PFO
1654+98 PROPERTY LINE
1659+47 PROPERTY LINE
1659+75 P.I. - 7°05'13" LT
1659+92 P.I. - 4°36'38" LT
1660+85 P.I. - 1°02'59" LT
1663+23 P.I. - 11°08'45" LT
1663+47 PROPERTY LINE
1663+72 P.I. - 11°38'53" RT

CARBON COUNTY, PENNSYLVANIA
M.P. 31.1R2
M.P. 31.6R2
SmB
1720'
LtA
1710'
DrB2
ShA
HtA
LeA
WETLAND 042415_JC_1001_PFO
WATERBODY 042415_JC_1002_P_IN
PE-CA-017.000
PE-CA-019.000
PE-CA-019.000
1640+00
55'
WATERBODY 042415_JC_1005_D_MI
15'
55'
WATERBODY 042415_JC_1004_P_MI
1645+00
1650+00
1655+00
1660+00
1665+00
1670+00
65'
65'
30'
30'
20'
ESCGP
SEE DWG. 000-03-01-062 STA. 1643+59
SEE DWG. 000-03-01-064 STA. 1669+95
PE-CA-020.000
PE-CA-023.000
WATERBODY 042415_JC_1002_P_IN - 1
WATERBODY 042415_JC_1003_I_MI
WATERBODY 042415_JC_1002_P_IN - 2
WETLAND 042415_JC_1001_PFO
WATERBODY 042415_JC_1001_I_MI
WETLAND 042415_JC_1002_PEM
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
UTILITY EASEMENT
125'
PROPOSED 36" PENNEAST PIPELINE
PE-CA-017.000
PE-CA-017.000
PE-CA-018.000
1720'
1710'
HtA
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	OL/ROW	AG	UF	OL/ROW

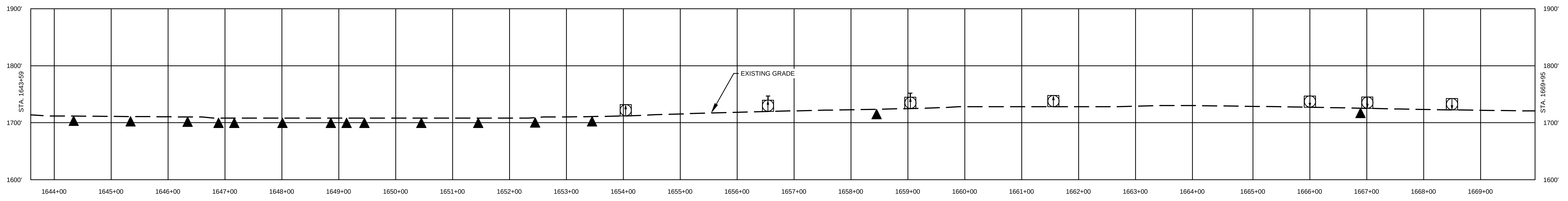
WATERSHED NAME		LAUREL RUN	HAWK RUN	
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF	

SOILS		LtA	ShA	HtA	LeA	

WATERBODY CROSSING METHOD			042415_JC_1004_P_MI I: DPX II: FX III: CD		042415_JC_1002_P_IN I: DPX II: FX III: CD	

CLASS LOCATION		CLASS I	CLASS II	
DESIGN FACTOR		0.72	0.60	
MAOP		1480 PSIG		

PROFILE



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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1643+59 TO STA. 1669+95

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-063	B

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OWNERSHIP / FOOTAGE			
Parcel	Footage	From	To
PE-CA-019.000	270'	1669+95	1672+65
PE-CA-020.000	77'	1672+65	1673+42
PE-CA-021.000	253'	1673+42	1675+95
PE-CA-019.000	36'	1675+95	1676+31
PE-CA-022.000	104'	1676+31	1677+35
PE-CA-028.000	667'	1677+35	1684+02
PE-CA-032.000	161'	1684+02	1685+63
PE-CA-033.000	53'	1685+63	1686+16
PE-CA-034.000	258'	1686+16	1688+74
PE-CA-035.000	38'	1688+74	1689+12
PE-CA-036.000	252'	1689+12	1691+64
PE-CA-037.000	301'	1691+64	1694+65
PE-CA-039.000	173'	1694+65	1696+38

STATIONING

1672+65 PROPERTY LINE
1673+42 PROPERTY LINE
1675+23 EDGE OF GRAVEL
1675+34 EDGE OF GRAVEL
1675+41 CENTERLINE OF PP&L OVERHEAD LINE
1675+95 PROPERTY LINE
1676+31 PROPERTY LINE
1676+41 EDGE OF PAVEMENT
1676+47 CENTERLINE OF UNNAMED ROAD
1676+53 EDGE OF PAVEMENT
1676+72 CENTERLINE OF UNK OVERHEAD LINE
1677+25 EDGE OF PAVEMENT
1677+34 PROPERTY LINE
1677+51 CENTERLINE OF OLD STAGE RD
1677+73 EDGE OF PAVEMENT
1679+51 CENTERLINE OF PP&L OVERHEAD LINE
1680+26 STRUCTURE
1680+30 STRUCTURE
1680+79 CENTERLINE OF UNK OVERHEAD LINE
1681+69 SHED
1681+92 SHED
1682+40 EDGE OF GRAVEL
1682+45 CENTERLINE OF UNNAMED ROAD
1682+50 EDGE OF GRAVEL
1682+94 EDGE OF GRAVEL
1682+99 CENTERLINE OF UNNAMED ROAD
1683+04 EDGE OF GRAVEL
1683+08 SHED
1683+20 SHED
1683+56 SHED
1683+60 SHED
1683+67 SHED
1683+69 CENTERLINE OF UNK OVERHEAD LINE
1683+77 SHED
1684+02 PROPERTY LINE
1685+63 PROPERTY LINE
1686+16 PROPERTY LINE
1688+00 P.I.~ 1°00'44" LT
1688+74 PROPERTY LINE
1689+12 PROPERTY LINE
1691+64 PROPERTY LINE
1691+71 EDGE OF GRAVEL
1691+77 CENTERLINE OF UNNAMED ROAD
1691+82 EDGE OF GRAVEL
1694+64 PROPERTY LINE

LAND USE																											
OL/ROW	RE	OL/ROW	RE	RD	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	UF	RE	OL/ROW	RD	UF	OL/ROW	UF	

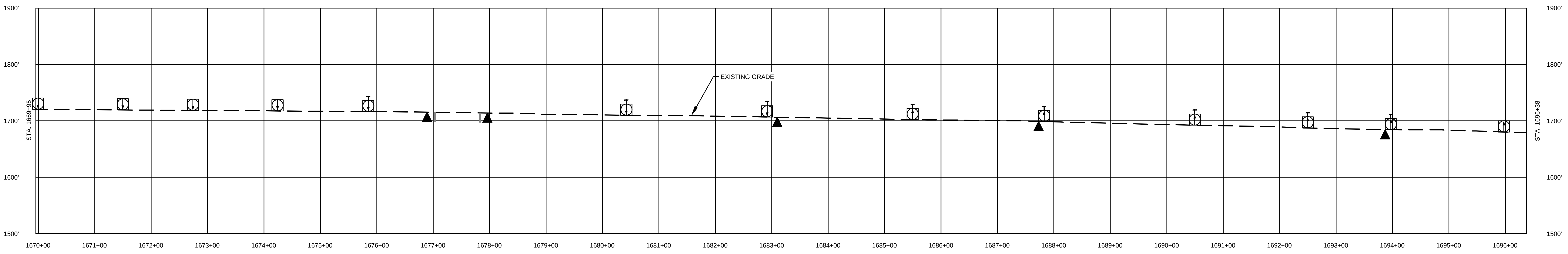
WATERSHED NAME	HAWK RUN	LAUREL RUN	MUD RUN
WATERSHED CLASSIFICATION	HQ-CWF, MF	HQ-CWF, MF	HQ-CWF, MF

SOILS				
	LeA	HtA	HtB2	HtB

WATERBODY CROSSING METHOD

CLASS LOCATION	CLASS II	CLASS III
DESIGN FACTOR	0.60	0.50
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
000-03-03-023	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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1669+95 TO STA. 1696+38

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-064	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-064.DWG 2019/10/17 KAD49854

OWNERSHIP / FOOTAGE	1696+38	PE-CA-039.000	1700+92	PE-CA-040.000	1703+71	PE-CA-042.000	1703+93	PE-CA-043.000	1717+60	PE-CA-045.000	1723+19
		454'		279'		22'		1367'		559'	

STATIONING

1700+92 PROPERTY LINE
1703+50 CENTERLINE OF PPL ELECTRIC UTILITIES CORP. OVERHEAD LINE
1703+58 EDGE OF PAVEMENT
1703+71 CENTERLINE OF STATE ROUTE 534
1703+71 PROPERTY LINE
1703+85 EDGE OF PAVEMENT
1703+86 CENTERLINE OF OVERHEAD LINE
1703+93 PROPERTY LINE
1703+95 CENTERLINE OF OVERHEAD LINE
1710+93 P.I.~ 7°43'29" RT
1716+78 P.I.~ 5°38'06" LT
1717+60 PROPERTY LINE
1717+78 P.I.~ 5°50'58" RT
1718+56 P.I.~ 44°47'24" RT
1718+91 EDGE OF WETLAND 110316_GM_1001_PFO
1718+98 EDGE OF WETLAND 110316_GM_1001_PFO
1718+98 EDGE OF WETLAND 110316_GM_1001_PEM
1719+26 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE
1719+37 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE
1719+54 EDGE OF WETLAND 110316_GM_1001_PEM
1719+97 P.I.~ 45°07'15" LT

LAND USE		UF	OL/ROW	UF	OL/ROW	UF	OL/ROW	RE	OL/ROW	RE	RD	UF	AG	OL/ROW	UF	OL/ROW	UF	

WATERSHED NAME		MUD RUN	
WATERSHED CLASSIFICATION		HQ-CWF, MF	

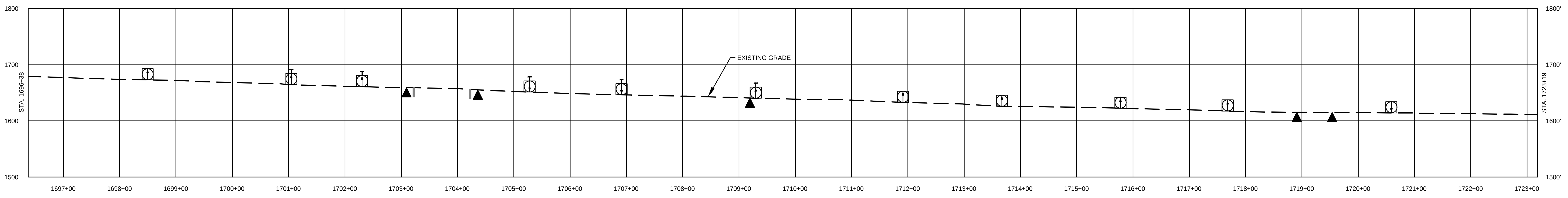
SOILS		HtB	McB	HtA	HtB2	DrB2	DsB	LtA	

WATERBODY CROSSING METHOD		

CLASS LOCATION		CLASS III	CLASS II	CLASS I	
DESIGN FACTOR		0.50	0.60	0.72	

MAOP		1480 PSIG	

PROFILE



MICHAEL DENICHILO
PE086513
10/25/2019

811
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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

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

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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1696+38 TO STA. 1723+19

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-065	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-065.DWG2019/10/17 BLA89970

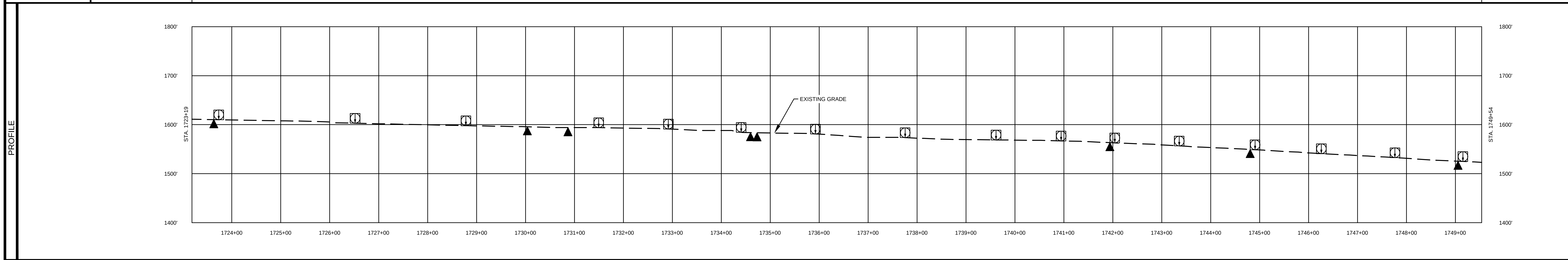
OWNERSHIP / FOOTAGE	1723+19	PE-CA-045.000 398'	1727+17	PE-CA-044.000 697'	1734+14	PE-CA-046.000/PE-CA-017.000 1540'	1749+54

STATIONING

- 1727+17 PROPERTY LINE
- 1727+30 P.I.~ 3°24'40" LT
- 1728+16 P.I.~ 2°57'53" RT
- 1730+09 EDGE OF WATERBODY 110316_GM_1003_I_MI
- 1730+77 EDGE OF WETLAND 110316_GM_1001_PEM
- 1730+77 EDGE OF WATERBODY 110316_GM_1003_I_MI
- 1730+85 EDGE OF WETLAND 110316_GM_1001_PEM
- 1732+51 EDGE OF PAVEMENT
- 1732+59 CENTERLINE OF UNNAMED ROAD
- 1732+66 EDGE OF PAVEMENT
- 1732+81 P.I.~ 1°19'00" RT
- 1732+87 P.I.~ 2°57'24" RT
- 1732+94 P.I.~ 4°03'18" LT
- 1734+14 PROPERTY LINE
- 1734+65 EDGE OF WATERBODY 110316_GM_1004_I_MI
- 1734+68 EDGE OF WATERBODY 110316_GM_1004_I_MI
- 1734+80 P.I.~ 1°09'43" LT
- 1749+45 P.I.~ 1°05'51" RT

M.P. 32.6R3
M.P. 33.1R3
CARBON COUNTY, PENNSYLVANIA
PE-CA-045.000
PE-CA-044.000
PE-CA-046.000
PE-CA-017.000
WETLAND 110316_GM_1003_PFO
WETLAND 110316_GM_1001_PEM - 1
WATERBODY 110316_GM_1002_I_MI
WETLAND 110316_GM_1001_PEM
WETLAND 110316_GM_1001_PFO
WATERBODY 110316_GM_1001_I_MI
WETLAND 110316_GM_1002_PFO
WETLAND 110316_GM_1001_PEM - 2
WETLAND 110316_GM_1004_PFO
WETLAND 110316_GM_1005_PFO
WATERBODY 110316_GM_1004_I_MI
WETLAND 110316_GM_1001_PEM - 3
WATERBODY 110316_GM_1003_I_MI
UNNAMED ROAD
WETLAND 110316_GM_1006_PEM
WETLAND 110316_GM_1008_PEM
WETLAND 110316_GM_1007_PSS
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
PROPOSED 36" PENNEAST PIPELINE
UTILITY EASEMENT
WATERBODY 042115_JC_1001_P_IN
SEE DWG. 000-03-01-065 STA. 1723+19
STA. 1749+54 SEE DWG. 000-03-01-067
1720+00
1725+00
1730+00
1735+00
1740+00
1745+00
1750+00
LtA
SmB
McD
AcB
SCALE: 1" = 100'
100 50 0 100

LAND USE		UF	OL/ROW	RD	UF
WATERSHED NAME		MUD RUN			
WATERSHED CLASSIFICATION		HQ-CWF, MF			
SOILS		LtA	SmB	McD	
WATERBODY CROSSING METHOD		110316_GM_1003_I_MI I: DPX II: FX III: DX-NF	110316_GM_1004_I_MI I: DPX II: FX III: DX-NF		
CLASS LOCATION		CLASS I			
DESIGN FACTOR		0.72			
MAOP		1480 PSIG			



COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL 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

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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1723+19 TO STA. 1749+54

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-066	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-066.DWG2019/10/17 KAD49854

OWNERSHIP / FOOTAGE

1749+54

PE-CA-046.000/PE-CA-017.000

2660'

1776+10

STATIONING

1750+96 P.I.~ 1°35'45" RT
1751+93 P.I.~ 1°09'24" RT
1752+81 P.I.~ 2°00'31" RT
1753+23 P.I.~ 3°40'23" LT
1753+39 EDGE OF WATERBODY 042115_JC_1001_P_IN
1753+84 EDGE OF WATERBODY 042115_JC_1001_P_IN
1753+87 P.I.~ 1°45'55" LT
1754+35 EDGE OF WATERBODY 042115_JC_1002_P_MI
1754+45 EDGE OF WATERBODY 042115_JC_1002_P_MI
1754+78 P.I.~ 1°00'28" RT
1760+71 P.I.~ 45°02'19" LT
1761+20 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE
1761+31 CENTERLINE OF BUCKEYE PARTNERS, LP PIPELINE
1761+73 P.I.~ 45°02'19" RT
1766+53 EDGE OF WATERBODY 042115_JC_1004_I_MI
1766+67 EDGE OF WATERBODY 042115_JC_1004_I_MI
1768+33 EDGE OF WATERBODY 042115_JC_1004_I_MI
1768+44 EDGE OF WATERBODY 042115_JC_1004_I_MI
1774+66 P.I.~ 1°17'21" LT
1774+81 EDGE OF PAVEMENT
1774+97 CENTERLINE OF STATE ROUTE 903
1775+12 EDGE OF PAVEMENT
1775+20 CENTERLINE OF PP&L OVERHEAD LINE
1775+46 P.I.~ 14°37'22" RT
1775+60 CENTERLINE OF BT CO OF PA OVERHEAD LINE
1775+89 P.I.~ 19°16'51" RT

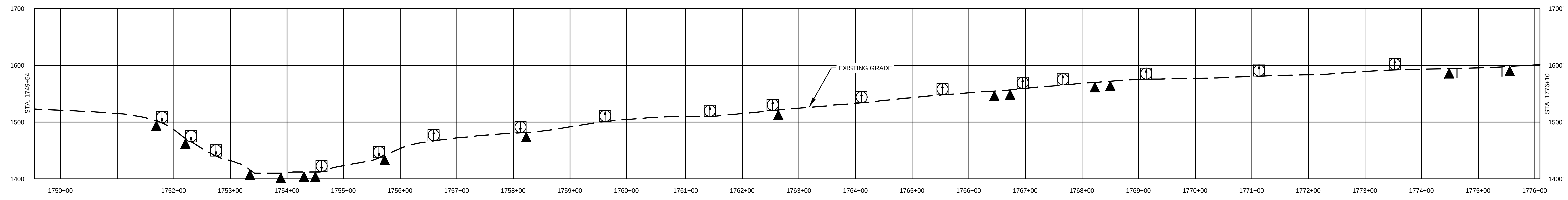
CARBON COUNTY, PENNSYLVANIA
M.P. 33.1R3
M.P. 33.6R3
SEE DWG. 000-03-01-066
STA. 1749+54
SEE DWG. 000-03-01-068
STA. 1776+10
STREAM PA-NHD-046
WATERBODY 042115_JC_1001_P_IN
WATERBODY 042115_JC_1002_P_MI
WETLAND 042115_JC_1001_PSS
PE-CA-046.000
PE-CA-017.000
STREAM PA-NHD-309
UTILITY EASEMENT
PROPOSED 36" PENNEAST PIPELINE
WATERBODY 042115_JC_1005_E_MI
LAT: 40° 59' 49.28" N LONG: 75° 36' 40.97" W
LAT: 40° 59' 50.36" N LONG: 75° 36' 41.28" W
STATE ROUTE 903
WETLAND 042115_JC_1003_PFO
WATERBODY 042115_JC_1003_E_MI
EXISTING PETROLEUM LINES (BUCKEYE PARTNERS, LP)
WATERBODY 042115_JC_1004_I_MI
WETLAND 042115_JC_1002_PFO
EXISTING OVERHEAD LINE
WETLAND 042115_JC_1003_PFO
WATERBODY 042115_JC_1006_I_MI
UNNAMED ROAD
KIDDER TWP / PENN FOREST TOWNSHIP
1750+00
1755+00
1760+00
1765+00
1770+00
1775+00
AcB
McD
KvF
Hy
TmB
McB
SCALE: 1" = 100'
100 50 0 100

LAND USE	UF, WB/OW, UF, OL/ROW, UF, OL/ROW, UF, OL/ROW, UF, OL/ROW, UF, OL/ROW, UF, OL/ROW, UF, RD, UF, OL/ROW, UF, OL/ROW
WATERSHED NAME	MUD RUN
WATERSHED CLASSIFICATION	HQ-CWF, MF
SOILS	McD, KvF, TmB, KvF, McB
CLASS LOCATION	CLASS I
DESIGN FACTOR	0.72
MAOP	1480 PSIG

WATERBODY CROSSING METHOD

042115_JC_1001_P_IN	042115_JC_1002_P_MI	042115_JC_1004_I_MI	042115_JC_1004_I_MI	042115_JC_1005_E_MI
I: CD	I: DPX	I: DPX	I: DPX	I: DPX
II: CD	II: FX	II: FX	II: FX	II: FX
III: CD	III: CD	III: DX-NF	III: DX-NF	III: DX-NF

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

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

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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1749+54 TO STA. 1776+10

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-067	B

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OWNERSHIP / FOOTAGE

1776+10 | PE-CA-046.000/PE-CA-017.000 2641' | 1802+51

STATIONING

1776+22 P.I. = 5°31'40" RT

1778+19 CENTERLINE OF BT CO OF PA OVERHEAD LINE

LAND USE		OL/ROW | UF | OL/ROW | UF | OL/ROW | UF | OL/ROW | UF | OL/ROW | UF
WATERSHED NAME		MUD RUN
WATERSHED CLASSIFICATION		HQ-CWF, MF
SOILS		McB | LkD | LkF
WATERBODY CROSSING METHOD		
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

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

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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
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1776+10 TO STA. 1802+51

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-068	B

OWNERSHIP / FOOTAGE	1802+51	PE-CA-046.000/PE-CA-017.000 2326' | 1825+13 | PE-CA-049.000 90' | 1826+03 | PE-CA-050.000 152' | 1827+55 | PE-CA-051.000 74' | 1828+29
STATIONING		1823+55 P.I. 1°34'24" RT 1825+84 P.I. 16°28'02" LT 1825+12 PROPERTY LINE 1825+71 EDGE OF WETLAND 042315_JC_1001_PFO 1826+03 P.I. 14°36'07" RT 1826+03 PROPERTY LINE 1827+55 PROPERTY LINE

LAND USE		UF			
WATERSHED NAME		MUD RUN	PANTHER CREEK	STONY CREEK	
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF	EV, MF	
SOILS		LkF | McB | LkD | McB			
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

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

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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

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1802+51 TO STA. 1828+29

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-069	B

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OWNERSHIP / FOOTAGE

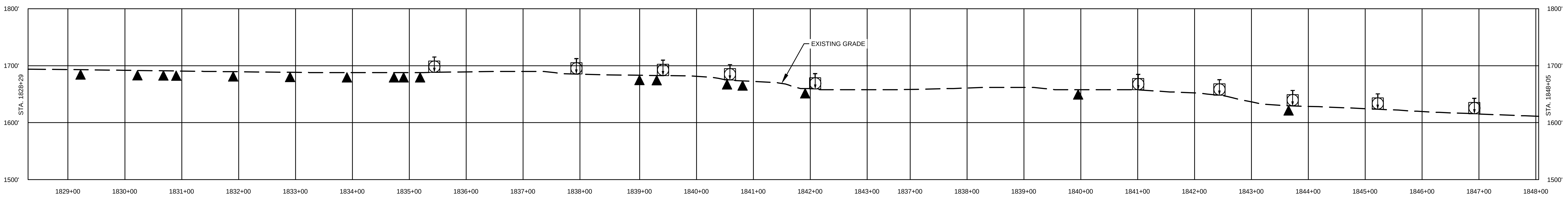
1828+29		
PE-CA-051.000	218'	1830+47
PE-CA-051.000-MR	30'	1830+77
PE-CA-056.000	285'	1833+62
PE-CA-058.000	134'	1834+96
PE-CA-059.000	118'	1836+14
PE-CA-046.000/PE-CA-017.000	164'	1837+78
PE-CA-065.000	101'	1838+74
PE-CA-066.000	138'	1840+12
PE-CA-069.000	375'	1837+11
PE-CA-078.000	157'	1838+68
PE-CA-077.000	67'	1839+35
PE-CA-080.000	200'	1841+35
PE-CA-081.000	200'	1843+35
PE-CA-083.000	100'	1844+35
PE-CA-085.000	100'	1845+35
PE-CA-086.000	112'	1846+47
PE-CA-088.000	124'	1847+71
PE-CA-087.000	1'	1847+72
PE-CA-089.000	33'	1848+05

STATIONING

1830+47 PROPERTY LINE
1830+68 EDGE OF WETLAND 042315_JC_1001_PFO
1830+71 EDGE OF PAVEMENT
1830+77 PROPERTY LINE
1830+79 CENTERLINE OF LONGWOOD LN.
1830+89 EDGE OF PAVEMENT
1830+90 EDGE OF WETLAND 042315_JC_1001_PFO
1833+62 PROPERTY LINE
1833+92 P.I.~ 1°35'16" LT
1834+78 EDGE OF WETLAND 042315_JC_1001_PFO
1834+78 EDGE OF WATERBODY 042315_JC_1002_P_MI
1834+82 P.I.~ 2°12'10" RT
1834+85 EDGE OF WETLAND 042315_JC_1001_PFO
1834+85 EDGE OF WATERBODY 042315_JC_1002_P_MI
1834+96 PROPERTY LINE
1835+19 EDGE OF WETLAND 042315_JC_1001_PFO
1835+67 P.I.~ 15°02'57" RT
1836+14 PROPERTY LINE
1836+42 P.I.~ 15°51'03" LT
1837+50 P.I.~ 15°26'04" LT
1837+78 PROPERTY LINE
1838+25 P.I.~ 15°30'48" RT
1838+74 PROPERTY LINE
1838+82 EDGE OF WETLAND 042315_JC_1001_PFO
1839+07 EDGE OF WETLAND 042315_JC_1001_PFO
1839+07 EDGE OF WATERBODY 042315_JC_1003_P_IN
1839+12 P.I.~ 1°18'41" RT
1839+25 EDGE OF WATERBODY 042315_JC_1003_P_IN
1840+12 P.I.~ 2°01'19" LT
1840+12 PROPERTY LINE
1840+64 P.I.~ 1°33'38" RT
1840+65 EDGE OF GRAVEL
1840+71 CENTERLINE OF UNNAMED ROAD
1840+79 EDGE OF GRAVEL
1841+66 CENTERLINE OF OVERHEAD LINE
1842+86 P.I.~ 39°20'11" LT
1837+11 PROPERTY LINE
1837+93 P.I.~ 12°24'42" RT
1838+33 P.I.~ 12°24'40" RT
1838+68 PROPERTY LINE
1838+73 P.I.~ 12°24'42" RT
1839+35 PROPERTY LINE
1841+35 PROPERTY LINE
1843+35 PROPERTY LINE
1844+35 PROPERTY LINE
1845+35 PROPERTY LINE
1846+47 PROPERTY LINE
1847+71 PROPERTY LINE
1847+72 PROPERTY LINE

LAND USE	UF	RD	UF	RE	UF
WATERSHED NAME	STONY CREEK				
WATERSHED CLASSIFICATION	EV, MF				
SOILS	McB	Pa	ArB	McD	ArB
WATERBODY CROSSING METHOD	042315_JC_1002_P_MI I: DPX II: FX III: CD	042315_JC_1003_P_IN I: DPX II: FX III: CD			
CLASS LOCATION	CLASS I	CLASS II			
DESIGN FACTOR	0.72	0.60			
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

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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
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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

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
CARBON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 1828+29 TO STA. 1848+05

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-070	B