OWNERSHIP / FOOTAGE

3379+20	PE-NO-126.000	3380+52	PE-NO-127.000	3383+03	PE-NO-129.000	3397+08	PE-NO-133.000	3405+96
	132'		251'		1401'		888'	

STATIONING

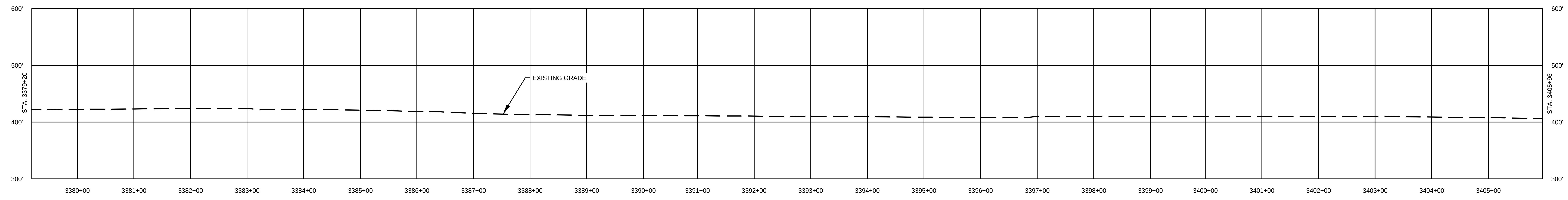
- 3380+52 PROPERTY LINE
- 3381+33 SHED
- 3381+38 SHED
- 3383+02 PROPERTY LINE
- 3383+40 P.I.~ 1°32'43" LT
- 3386+99 P.I.~ 1°28'35" RT
- 3388+83 EDGE OF PAVEMENT
- 3388+87 CENTERLINE OF UNNAMED ROAD
- 3388+91 EDGE OF PAVEMENT
- 3389+16 P.I.~ 13°25'39" LT
- 3389+56 P.I.~ 13°25'39" LT
- 3389+96 P.I.~ 13°25'39" LT
- 3390+36 P.I.~ 13°25'39" LT
- 3396+81 CENTERLINE OF UNK OVERHEAD LINE
- 3396+90 WATER LINE
- 3396+93 EDGE OF PAVEMENT
- 3397+08 PROPERTY LINE
- 3397+10 CENTERLINE OF DANIELS RD / STATE ROUTE 946
- 3397+26 EDGE OF PAVEMENT
- 3398+20 P.I.~ 31°19'05" LT
- 3400+90 P.I.~ 32°31'56" RT
- 3405+17 CENTERLINE OF TRANSCONTINENTAL PIPELINE

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 64.0R3
M.P. 64.5R4
PE-NO-126.000
PE-NO-127.000
PE-NO-A197.000
PE-NO-122.000
PE-NO-129.000
PE-NO-132.000
PE-NO-132.001
PE-NO-A202.000
PE-NO-A861.000
PE-NO-A860.000
PE-NO-A859.000
PE-NO-A858.000
PE-NO-A857.000
PE-NO-122.001
PE-NO-122.002
PE-NO-122.003
PE-NO-122.004
PE-NO-048-ROAD
PE-NO-128.000
PE-NO-130.000
PE-NO-131.000
PE-NO-129.000-HWY
AR-061 (REFER TO ACCESS ROAD DETAIL)
DANIELS ROAD / STATE ROUTE 946
UPPER NAZARETH TOWNSHIP
LOWER NAZARETH TOWNSHIP
EQUATION
3390+36 Back
3390+40 Ahead
Diff. = -4'
WETLAND
042815_JC_1003_PEM
PROPOSED 36" PENNEAST PIPELINE
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
EXISTING WATER LINE
EXISTING OVERHEAD LINE
SEE DWG. 000-03-01-128 STA. 3379+20
STA. 3405+96 SEE DWG. 000-03-01-130
3379+00
3380+00
3385+00
3390+00
3395+00
3400+00
3405+00
WaA
WaB
UkaB
UaB
ESCGP
SCALE: 1" = 100'
100 50 0 100

LAND USE		RE	UF	RE	UF	RE	UF	RE	UF	RE	UF	RE	UF	RE	UF	RE	UF	RE	UF	RE	UF	RE	AG	RE	RD	AG	

WATERSHED NAME		EAST BRANCH MONOCACY CREEK	
WATERSHED CLASSIFICATION		HQ-CWF, MF	
SOILS		WaA	
CLASS LOCATION		CLASS III	
DESIGN FACTOR		0.50	
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
000-03-03-042	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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3379+20 TO STA. 3405+96

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-129	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-129.DWG2019/10/22 DUM64749

OWNERSHIP / FOOTAGE: 3405+96 | PE-NO-133.000 2670' | 3432+66

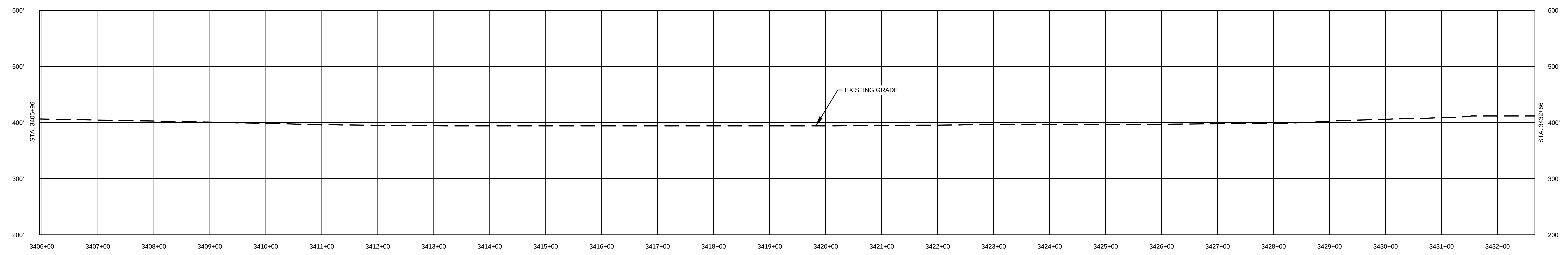
STATIONING: 3427+36 P.I. ~ 89°54'39" RT

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 64.5R4
M.P. 65.0R4
SEE DWG. 000-03-01-129 STA. 3405+96
STA. 3432+66 SEE DWG. 000-03-01-131
EXISTING PIPELINE (TRANSCONTINENTAL GAS PIPE LINE CORP.)
PROPOSED 36" PENNEAST PIPELINE
PE-NO-132.000
PE-NO-133.000
PE-NO-133.001
PE-NO-133.002
PE-NO-133.000-HWY
PE-NO-135.000
PE-NO-137.000
EXISTING OVE
UoB
WaA
WaB
UkaB
ESCGP
3405+00
3410+00
3415+00
3420+00
3425+00
3430+00
3435+00
25'
35'
65'
90'
115'
400'
410'
EQUATION
3434+49 Back
3432+58 Ahead
Diff. = 191'
SCALE: 1" = 100'
100 50 0 100

LAND USE		AG	RD	
WATERSHED NAME		EAST BRANCH MONOCACY CREEK		
WATERSHED CLASSIFICATION		HQ-CWF, MF		
SOILS		WaA	WaB	

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

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

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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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3405+96 TO STA. 3432+66

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-130	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-130.DWG2019/10/22 GUR84729

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\MIDATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-131.DWG2019/10/22 DUM64749

OWNERSHIP / FOOTAGE	Station	Owner	Footage	Station
	3432+66	PE-NO-133.000	251'	3433+26
	3433+26	PE-NO-135.000	368'	3436+94
	3436+94	PE-NO-135.000-MR	21'	3437+15
	3437+15	PE-NO-140.000	159'	3438+74
	3438+74	PE-NO-140.000-MR	16'	3438+90
	3438+90	PE-NO-144.000	115'	3440+05
	3440+05	PE-NO-145.000	1437'	3454+42
	3454+42	PE-NO-147.000	285'	3457+27
	3457+27	PE-NO-148.000	113'	3458+40

STATIONING

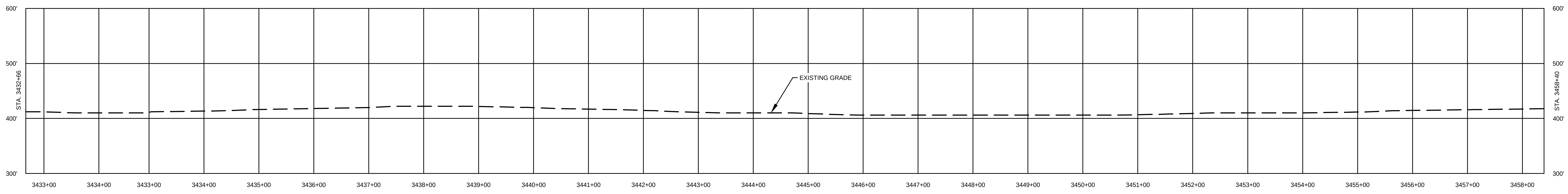
- 3434+49 P.I.~ 62°10'55" LT
- 3433+02 CENTERLINE OF PP&L OVERHEAD LINE
- 3433+07 EDGE OF PAVEMENT
- 3433+26 CENTERLINE OF NAZARETH BETHLEHEM PIKE / STATE ROUTE 191
- 3433+26 PROPERTY LINE
- 3433+46 EDGE OF PAVEMENT
- 3436+77 CENTERLINE OF OVERHEAD LINE
- 3436+83 EDGE OF PAVEMENT
- 3436+94 CENTERLINE OF GRADWOHL SWITCH RD
- 3436+94 PROPERTY LINE
- 3437+04 EDGE OF PAVEMENT
- 3437+12 CENTERLINE OF PP&L OVERHEAD LINE
- 3437+15 PROPERTY LINE
- 3437+81 P.I.~ 30°41'16" RT
- 3438+74 PROPERTY LINE
- 3438+90 PROPERTY LINE
- 3439+32 P.I.~ 56°55'38" LT
- 3440+05 PROPERTY LINE
- 3447+82 P.I.~ 6°29'29" LT
- 3453+26 CENTERLINE OF SURVEY POINTS SAY GPU OVERHEAD LINE
- 3453+29 CENTERLINE OF PPL ELECTRIC UTILITIES CORP. OVERHEAD LINE
- 3454+42 PROPERTY LINE
- 3457+27 PROPERTY LINE

NORTHAMPTON COUNTY, PENNSYLVANIA
N
M.P.
65.0R4
M.P.
65.5
EQUATION
3434+49 Back
3432+58 Ahead
Diff. = 191'
PE-NO-133.000
PE-NO-134.000
PE-NO-135.000
PE-NO-136.000
PE-NO-137.000
PE-NO-135.000-MR
PE-NO-138.000
PE-NO-139.000
PE-NO-140.000
PE-NO-140.000-MR
PE-NO-141.000
PE-NO-142.000
PE-NO-143.000
PE-NO-144.000
PE-NO-145.000
PE-NO-146.000
PE-NO-147.000
PE-NO-148.000
PE-NO-A223.000
SEE DWG: 000-03-01-130
STA. 3432+66
STA. 3458+40
SEE DWG: 000-03-01-132
UNNAMED ROAD
NAZARETH BETHLEHEM PIKE / STATE ROUTE 191
GRADWOHL SWITCH RD
EXISTING OVERHEAD LINE
EXISTING OVERHEAD LINES
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
UTILITY EASEMENT
PROPOSED 36" PENNEAST PIPELINE
3435+00
3440+00
3445+00
3450+00
3455+00
3460+00
WaA
WaB
UoB
ESCGP
OH
90'
115'
35'
70'
95'
60'
65'
410'
420'
430'
SCALE: 1" = 100'
100 50 0 100

LAND USE		RD	AG	RD	RE	RD	AG	

WATERSHED NAME		EAST BRANCH MONOCACY CREEK	MONOCACY CREEK	
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF	
SOILS		WaB		

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

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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3432+66 TO STA. 3458+40

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-131	B

OWNERSHIP / FOOTAGE					
Station	3458+40 – 3459+75	3459+75 – 3473+05	3473+05 – 3473+89	3473+89 – 3484+80	
Owner	PE-NO-148.000	PE-NO-149.000/PE-NO-A247.000	PE-NO-153.000	PE-NO-154.000	
Footage	135'	1330'	84'	1091'	

STATIONING

3459+75 PROPERTY LINE
3469+45 P.I.~ 30°55'19" RT
3473+03 CENTERLINE OF BT CO OVERHEAD LINE
3473+05 PROPERTY LINE
3473+89 PROPERTY LINE
3473+98 EDGE OF PAVEMENT
3474+02 CENTERLINE OF PP&L OVERHEAD LINE
3474+20 CENTERLINE OF NEWBURG RD
3474+40 EDGE OF PAVEMENT
3474+40 WATER LINE
3476+54 P.I.~ 3°37'18" RT

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 65.5
M.P. 66.0
SEE DWG. 000-03-01-131 STA. 3458+40
STA. 3484+80 SEE DWG. 000-03-01-133
PE-NO-147.000
PE-NO-148.000
PE-NO-149.000
PE-NO-A247.000
PE-NO-150.000
PE-NO-151.000
PE-NO-A240.000
PE-NO-A239.000
PE-NO-152.000
PE-NO-153.000
PE-NO-154.000
PE-NO-155.000
3455+00
3460+00
3465+00
3470+00
3475+00
3480+00
3485+00
EXISTING WATER LINE
EXISTING OVERHEAD LINES
PROPOSED 36" PENNEAST PIPELINE
NEWBURG ROAD
GRADWOHL SWITCH ROAD
ESCGP
WaB
WaA
SCALE: 1" = 100'
100 50 0 100
400'
410'
420'
430'

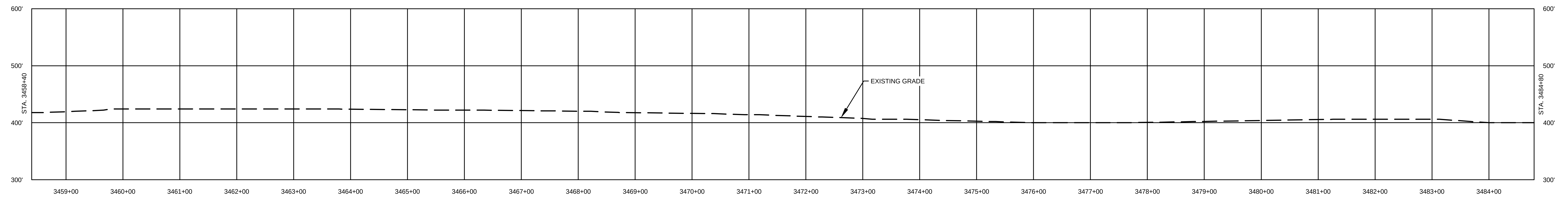
LAND USE		AG	RE	RD	AG	

WATERSHED NAME		MONOCACY CREEK	SHOENECK CREEK	
WATERSHED CLASSIFICATION		HQ-CWF, MF	WWF, MF	

SOILS		WaB	WaA	

CLASS LOCATION		CLASS II	CLASS I	
DESIGN FACTOR		0.60	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

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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3458+40 TO STA. 3484+80

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-132	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-132.DWG2019/10/20 GUR84729

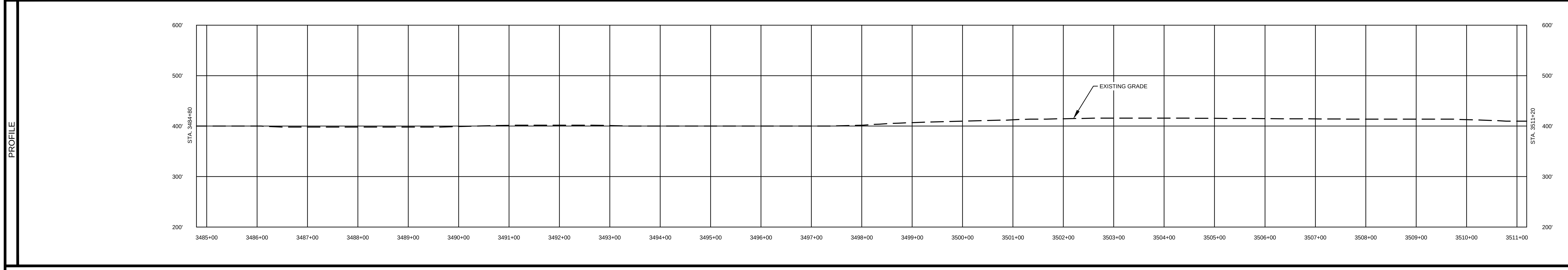
OWNERSHIP / FOOTAGE	3484+80	PE-NO-154.000 759'	3492+39	PE-NO-155.000 850'	3500+89	PE-NO-157.000 1031'	3511+20

STATIONING
3492+39 PROPERTY LINE
3496+39 P.I.~ 9°45'29" RT
3496+79 P.I.~ 9°45'31" RT
3497+19 P.I.~ 9°45'29" RT
3500+89 PROPERTY LINE

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 66.0
M.P. 66.5
PE-NO-155.000
PE-NO-154.000
PE-NO-156.000
PE-NO-157.000
PROPOSED 36" PENNEAST PIPELINE
3485+00
3490+00
3495+00
3500+00
3505+00
3510+00
3515+00
SEE DWG. 000-03-01-132 STA. 3484+80
STA. 3511+20 SEE DWG. 000-03-01-134
ESCGP
WaA
400'
410'
SCALE: 1" = 100'
100 50 0 100

LAND USE		AG	UF	AG	
WATERSHED NAME		SHOENECK CREEK		MONOCACY CREEK	
WATERSHED CLASSIFICATION		WWF, MF		HQ-CWF, MF	
SOILS		WaA			
CLASS LOCATION		CLASS I			
DESIGN FACTOR		0.72			
MAOP		1480 PSIG			

PROFILE



MICHAEL DENICHILO
PE086513
10/25/2019

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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

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

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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
SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3484+80 TO STA. 3511+20

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-133	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-133.DWG2019/10/20 BLA89970

OWNERSHIP / FOOTAGE	3511+20	PE-NO-157.000 942'	3520+62	PE-NO-157.000-MR 69'	3521+31	PE-NO-159.000 599'	3527+30	PE-NO-160.000 1030'	3537+60

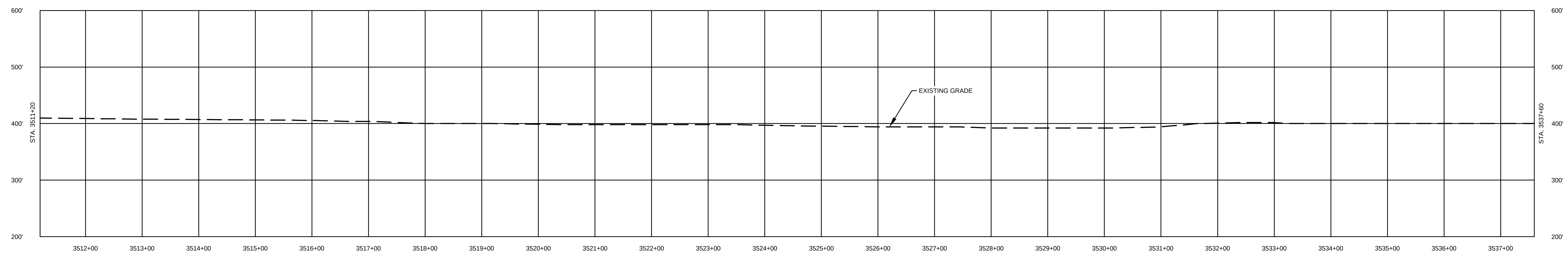
STATIONING

3517+54 CENTERLINE OF PPL OVERHEAD LINE
3520+62 PROPERTY LINE
3520+81 CENTERLINE OF PP&L OVERHEAD LINE
3520+91 EDGE OF PAVEMENT
3520+92 WATER LINE
3521+02 CENTERLINE OF HECKTOWN RD
3521+12 EDGE OF PAVEMENT
3521+31 PROPERTY LINE
3525+68 CENTERLINE OF PPL OVERHEAD LINE
3526+12 P.I.- 23°29'00" LT
3527+30 PROPERTY LINE

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 66.5
M.P. 67.0
SEE DWG. 000-03-01-133
STA. 3511+20
STA. 3537+60
SEE DWG. 000-03-01-135
PE-NO-157.000
PE-NO-A253.000
PE-NO-159.000
PE-NO-160.000
PE-NO-156.000
PE-NO-157.000-MR
PE-NO-158.000
PE-NO-161.000
PE-NO-A258.000
EXISTING OVERHEAD LINE
EXISTING OVERHEAD LINE (PPL ELECTRIC UTILITIES CORP.)
PROPOSED 36" PENNEAST PIPELINE
HECKTOWN ROAD
STREAM PA-NHD-098
STREAM PA-NHD-098
LOWER NAZARETH TOWNSHIP
BETHLEHEM TOWNSHIP
3510+00
3515+00
3520+00
3525+00
3530+00
3535+00
3540+00
ESCGP
WaA
WaB
UvdB
ClA
400'
410'
390'
SCALE: 1" = 100'
100 50 0 100

LAND USE	AG	RD	AG	UF	AG	
WATERSHED NAME	MONOCACY CREEK					
WATERSHED CLASSIFICATION	HQ-CWF, MF					
SOILS	WaA		ClA	WaB		
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

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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3511+20 TO STA. 3537+60

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-134	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-134.DWG2019/10/20 GUR84729

OWNERSHIP / FOOTAGE	3537+60	PE-NO-160.000 1903'	3556+63	PE-NO-163.000 700'	3563+63	PE-NO-164.000 37'	3564+00

STATIONING

3556+63 PROPERTY LINE

3563+63 PROPERTY LINE

M.P.
67.0
NORTHAMPTON COUNTY, PENNSYLVANIA
M.P.
67.5
PE-NO-A604.000
PE-NO-160.000
PE-NO-164.000
PE-NO-163.000
PE-NO-164.000-HWY
PE-NO-162.000
PE-NO-165.000
STREAM
PA-NHD-098
WaB
WaA
UudB
440'
430'
420'
410'
400'
ESCGP
3535+00
3540+00
3545+00
3550+00
3555+00
3560+00
3565+00
90'
65'
125'
35'
115'
105'
SEE DWG. 000-03-01-134
STA. 3537+60
STA. 3564+00
SEE DWG. 000-03-01-136
PROPOSED 36" PENNEAST PIPELINE
LOWER NAZARETH TOWNSHIP
BETHLEHEM TOWNSHIP
SCALE: 1" = 100'
100
50
0
100

LAND USE		AG	UF	AG	

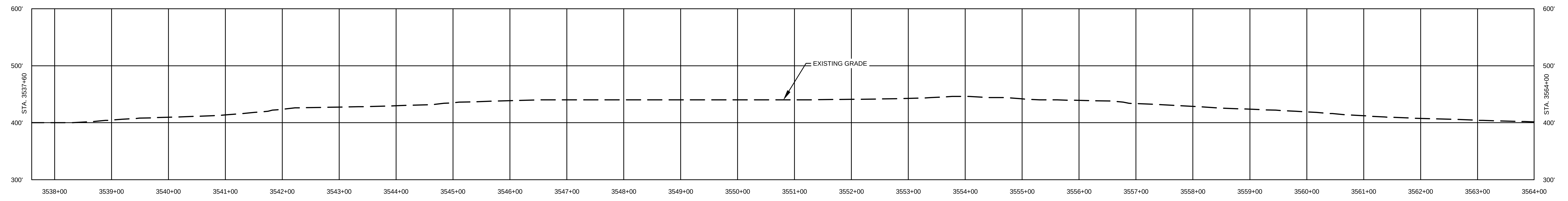
WATERSHED NAME		MONOCACY CREEK	BUSHKILL CREEK	
WATERSHED CLASSIFICATION		HQ-CWF, MF	HQ-CWF, MF	

SOILS		WaB	WaA	WaB	WaA	

CLASS LOCATION		CLASS II	CLASS I	CLASS II	
DESIGN FACTOR		0.60	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	
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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3537+60 TO STA. 3564+00

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-135	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-135.DWG2019/10/20 DUM64749

OWNERSHIP / FOOTAGE	3564+00	PE-NO-164.000 291'	3566+91	PE-NO-164.000-HWY 120'	3568+11	PE-NO-166.000 492'	3573+03	PE-NO-167.000 310'	3576+13	PE-NO-168.000 487'	3581+00	PE-NO-168.000-MR 34'	3581+34	PE-NO-169.000 766'	3589+00	PE-NO-170.000 94'	3589+94

STATIONING

- 3565+76 P.I.~ 10°04'33" RT
- 3566+16 P.I.~ 10°04'34" RT
- 3566+56 P.I.~ 9°45'07" RT
- 3566+89 FENCE LINE
- 3566+91 PROPERTY LINE
- 3567+07 GUARDRAIL
- 3567+09 EDGE OF PAVEMENT
- 3567+32 CENTERLINE OF LEHIGH VALLEY THRUWAY/SR 22
- 3567+72 CENTERLINE OF LEHIGH VALLEY THRUWAY/SR 22
- 3567+94 EDGE OF PAVEMENT
- 3567+95 GUARDRAIL
- 3568+10 FENCE LINE
- 3568+11 PROPERTY LINE
- 3568+51 P.I.~ 12°26'46" LT
- 3568+91 P.I.~ 12°26'45" LT
- 3569+31 P.I.~ 12°26'47" LT
- 3569+71 P.I.~ 12°26'44" LT
- 3570+11 P.I.~ 12°26'45" LT
- 3570+51 P.I.~ 12°26'47" LT
- 3570+91 P.I.~ 12°26'45" LT
- 3573+03 PROPERTY LINE
- 3574+76 P.I.~ 13°30'59" RT
- 3575+16 P.I.~ 13°31'02" RT
- 3575+56 P.I.~ 13°31'00" RT
- 3575+96 P.I.~ 13°31'00" RT
- 3576+09 CENTERLINE OF PP&L OVERHEAD LINE
- 3576+13 PROPERTY LINE
- 3576+36 P.I.~ 13°31'00" RT
- 3576+76 P.I.~ 13°27'38" RT
- 3578+76 EDGE OF GRAVEL
- 3578+84 CENTERLINE OF UNNAMED ROAD
- 3578+90 EDGE OF GRAVEL
- 3580+87 CENTERLINE OF PP&L OVERHEAD LINE
- 3580+91 EDGE OF PAVEMENT
- 3581+00 PROPERTY LINE
- 3581+03 CENTERLINE OF GREEN POND RD
- 3581+14 EDGE OF PAVEMENT
- 3581+20 EDGE OF CURB
- 3581+21 EDGE OF CURB
- 3581+24 WATER LINE
- 3581+28 EDGE OF CONCRETE
- 3581+32 EDGE OF CONCRETE
- 3581+34 PROPERTY LINE
- 3582+52 ELECTRIC LINE
- 3588+12 P.I.~ 40°02'07" LT
- 3588+46 STORM LINE
- 3588+74 CENTERLINE OF INTERSTATE ENERGY CO. PIPELINE
- 3589+00 PROPERTY LINE
- 3589+14 CENTERLINE OF COLUMBIA GAS TRANSMISSION CORP. PIPELINE

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 67.5
M.P. 68.0R3
N
SEE DWG. 000-03-01-135 STA. 3564+00
STA. 3589+94 SEE DWG. 000-03-01-137
PE-NO-163.000
PE-NO-164.000
PE-NO-164.000-HWY
PE-NO-165.000
PE-NO-166.000
PE-NO-167.000
PE-NO-168.000
PE-NO-168.000 MR
PE-NO-169.000
PE-NO-170.000
PE-NO-171.000
PE-NO-A270.000
LEHIGH VALLEY THRUWAY / SR 22
GREEN POND ROAD
EXISTING OVERHEAD LINE
UTILITY EASEMENT
EXISTING PIPELINE (COLUMBIA GAS TRANSMISSION CORP.)
EXISTING PIPELINE INTERSTATE ENERGY CO. ENERGY
PROPOSED 36" PENNEAST PIPELINE
EXISTING CULVERT
3560+00
3565+00
3570+00
3575+00
3580+00
3585+00
3590+00
3595+00
WaA
WaB
UudB
CIA
400'
410'
420'
430'
SCALE: 1" = 100'
100 50 0 100

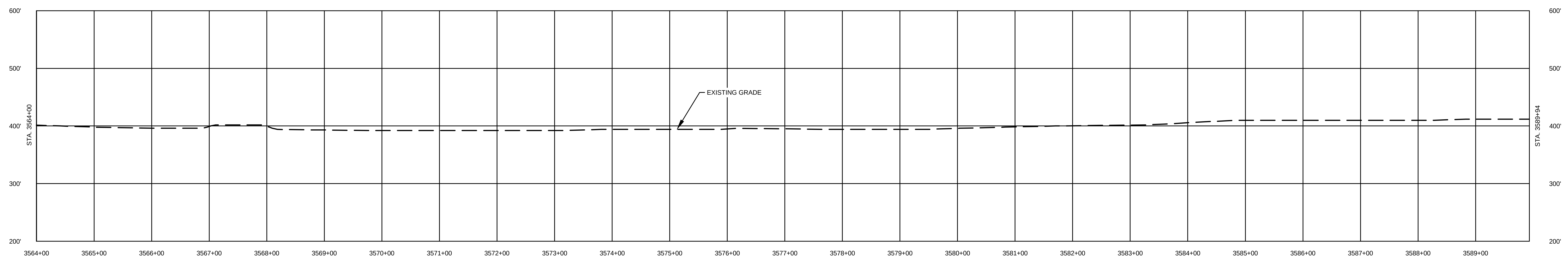
LAND USE		AG	RD	AG	UF	AG	RE	RD	SPECIAL LAND USE	AG

WATERSHED NAME		BUSHKILL CREEK	
WATERSHED CLASSIFICATION		HQ-CWF, MF	

SOILS		WaA	UudB	WaA	CIA	WaA	CIA	WaA	WaB	WaA	

CLASS LOCATION		CLASS II	CLASS III	
DESIGN FACTOR		0.60	0.50	
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
SITE RESTORATION PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3564+00 TO STA. 3589+94

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-136	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-136.DWG2019/10/20 GUR84729

OWNERSHIP / FOOTAGE		3589+94	PE-NO-170.000 266'	3592+60	PE-NO-171.000 739'	3599+99	PE-NO-171.000-MR 30'	3600+29	PE-NO-172.000 534'	3605+63	PE-NO-050.001-HWY 1137'	3616+80	

STATIONING

3592+60 PROPERTY LINE
3592+89 P.I.~ 1°02'05" RT
3599+90 EDGE OF PAVEMENT
3599+99 PROPERTY LINE
3600+01 CENTERLINE OF CHURCH RD
3600+07 WATER LINE
3600+11 EDGE OF PAVEMENT
3600+21 CENTERLINE OF TITLE REFERENCES PP&L OVERHEAD LINE
3600+29 PROPERTY LINE
3605+63 PROPERTY LINE
3605+69 EXISTING WALL
3605+70 EXISTING WALL
3605+71 EXISTING WALL
3605+71 EXISTING WALL
3606+41 EDGE OF PAVEMENT
3606+61 CENTERLINE OF STATE RTE 33
3606+82 EDGE OF PAVEMENT
3607+18 STORM LINE
3607+51 EDGE OF PAVEMENT
3607+71 CENTERLINE OF STATE RTE 33
3607+91 EDGE OF PAVEMENT
3609+37 FENCE LINE
3609+60 P.I.~ 59°00'34" RT
3610+43 CENTERLINE OF OVERHEAD LINE
3611+71 P.I.~ 1°40'31" RT

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 68.0R3
M.P. 68.5
EQUATION
3611+91 Back
3611+71 Ahead
Diff. = 20'
N
SEE DWG. 000-03-01-136 STA. 3589+94
STA. 3616+80 SEE DWG. 000-03-01-138
PE-NO-169.000
PE-NO-170.000
PE-NO-A277.000
PE-NO-A278.000
PE-NO-171.000
PE-NO-171.000-MR
PE-NO-172.000
PE-NO-173.000
PE-NO-050.002-HWY
PE-NO-050.001-HWY
PE-NO-174.000-HWY
PE-NO-174.002
PE-NO-175.000
PE-NO-176.000
PE-NO-177.000
PE-NO-178.000
PE-NO-179.000
EXISTING PIPELINE (COLUMBIA GAS TRANSMISSION CORP.)
EXISTING PIPELINE INTERSTATE ENERGY CO. ENERGY
UTILITY EASEMENT
PROPOSED 36" PENNEAST PIPELINE
EXISTING OVERHEAD LINE
EXISTING PIPELINE (COLUMBIA GAS TRANSMISSION CORP)
EXISTING PIPELINE (INTERSTATE ENERGY CO.)
EXISTING OVERHEAD LINE
AR-067 (REFER TO ACCESS ROAD DETAIL)
CHURCH ROAD
STATE RTE 33
COUNTRY CLUB ROAD
KNOLLCREST
MAGNOLIA DRIVE
3585+00
3590+00
3595+00
3600+00
3605+00
3610+00
3615+00
WaA
WaB
UudB
UoB
ESCGP
SCALE: 1" = 100'
100 50 0 100

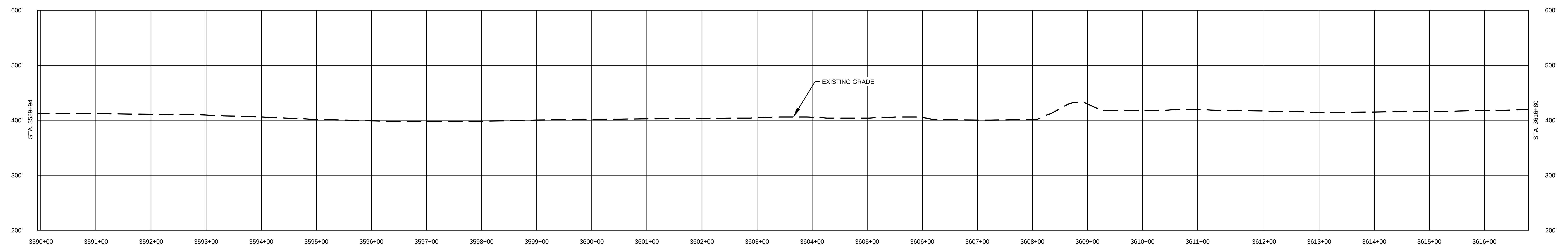
LAND USE		AG	UF	AG	RD	AG	RD	OL/ROW	RD	OL/ROW	UF	OL/ROW	

WATERSHED NAME		BUSHKILL CREEK	NANCY RUN	
WATERSHED CLASSIFICATION		HQ-CWF, MF	CWF, MF	

SOILS		WaA	WaB	WaA	WaB	UudB	WaB	UoB	WaB	

CLASS LOCATION		CLASS III	
DESIGN FACTOR		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
000-03-03-048.01	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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3589+94 TO STA. 3616+80

SCALE	DRAWING NO.	REVISION
1" = 100'	000-03-01-137	B

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\MDATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\SITE_RESTORATION\ALIGNMENT_SHEETS\01_PENNEAST_MAINLINE\000-03-01-137.DWG2019/10/20 DUM64749