| OWNERSHIP / FOOTAGE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3168+36 | PE-NO-082.000<br>1357' | 3181+56 | PE-NO-085.000<br>139' | 3182+95 | PE-NO-086.000<br>114' | 3184+09 | PE-NO-086.000-HWY<br>40' | 3184+49 | PE-NO-087.000<br>991' | 3194+40 |

STATIONING

3176+96 P.I.~ 10°57'17" LT
3177+36 P.I.~ 10°57'15" LT
3177+45 FENCE LINE
3178+14 EDGE OF PAVEMENT
3178+20 CENTERLINE OF UNNAMED ROAD
3178+26 EDGE OF PAVEMENT
3178+46 FENCE LINE
3181+39 FENCE LINE
3181+56 PROPERTY LINE
3182+87 EDGE OF WATERBODY 051215_JC_1005_P_IN
3182+91 EDGE OF WATERBODY 051215_JC_1005_P_IN
3182+95 PROPERTY LINE
3183+19 EDGE OF WATERBODY 051215_JC_1005_P_IN
3183+32 CENTERLINE OF STREAM
3183+36 EDGE OF WATERBODY 051215_JC_1005_P_IN
3184+03 CENTERLINE OF BT CO OF PA OVERHEAD LINE
3184+08 EDGE OF PAVEMENT
3184+09 PROPERTY LINE
3184+22 CENTERLINE OF MONOCACY DR / STATE ROUTE 987
3184+34 EDGE OF PAVEMENT
3184+41 CENTERLINE OF PP&L OVERHEAD LINE
3184+49 PROPERTY LINE
3187+86 P.I.~ 1°09'09" LT

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 60.0R2
M.P. 60.5
EQUATION
3168+84 Back
3168+47 Ahead
Diff. = 37'
STA. 3168+36 SEE DWG. 000-03-01-120
STA. 3194+40 SEE DWG. 000-03-01-122
3165+00
3170+00
3175+00
3180+00
3190+00
3195+00
PE-NO-079.000
PE-NO-082.000
PE-NO-083.000
PE-NO-085.000
PE-NO-086.000
PE-NO-086.000-HWY
PE-NO-087.000
PE-NO-088.000
PE-NO-091.000
PROPOSED 36" PENNEAST PIPELINE
AR-055 (REFER TO ACCESS ROAD DETAIL)
AR-056A (REFER TO ACCESS ROAD DETAIL)
UNNAMED ROAD
STREAM PA-NHD-091
STREAM PA-NHD-089
WATERBODY 051215_JC_1005_P_IN
WETLAND NWI-429
WETLAND NWI-344
EXISTING OVERHEAD LINES
LAT:40° 44' 13.40" N LONG:75° 23' 56.97" W
LAT:40° 44' 13.14" N LONG:75° 23' 55.58" W
LAT: 40° 44' 10.23" N LONG: 75° 23' 38.64" W
MONOCACY DR / STATE ROUTE 987
MOORE TOWNSHIP
EAST ALLEN TOWNSHIP
BATH BORO
UTILITY EASEMENT
EXISTING OVERHEAD LINE
SCALE: 1" = 100'
100 50 0 100

| LAND USE | | AG | RD | AG | UF | AG | UF | WB/OW | UF | RD | UF | AG | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

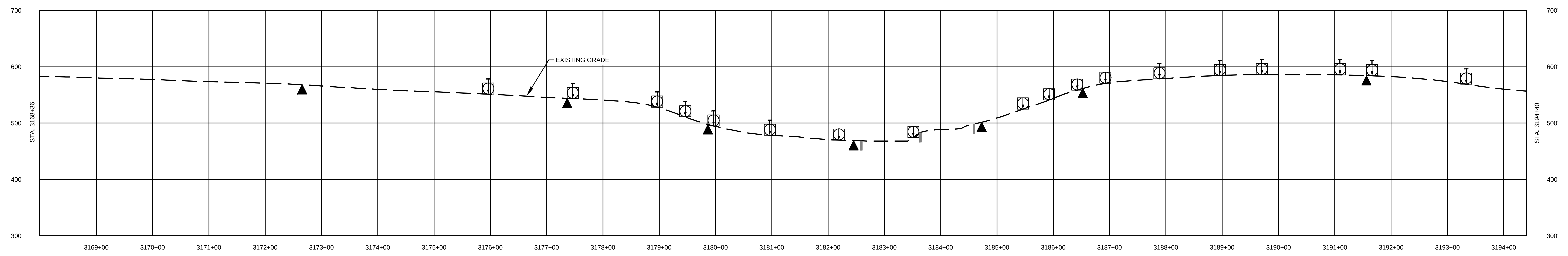
| WATERSHED NAME | | MONOCACY CREEK | |
|---|---|---|---|
| WATERSHED CLASSIFICATION | | HQ-CWF, MF | |

| SOILS | | BkF | BkD | BkC | BkD | Ho | BkD | BkF | BkC | BkB | BkC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

| WATERBODY CROSSING METHOD | | | 051215_JC_1005_P_IN<br>I: BX<br>II: DPX<br>III: FX | | 051215_JC_1005_P_IN<br>I: BX<br>II: DPX<br>III: FX | | |
|---|---|---|---|---|---|---|---|

| CLASS LOCATION | | CLASS II | |
|---|---|---|---|
| DESIGN FACTOR | | 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 |
|---|---|---|
| | | |

REFERENCE DRAWINGS

| DWG. NO. | TITLE |
|---|---|
| 000-01-01-001B | TABLE OF CONTENTS AND LEGEND |
| 000-03-03-039 | 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
## NORTHAMPTON COUNTY, PENNSYLVANIA
## 36" PENNEAST PIPELINE
## STA. 3168+36 TO STA. 3194+40

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-121 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-121.DWG2019/10/18 DUM64749

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OWNERSHIP / FOOTAGE | 3194+40 | PE-NO-087.000<br>442' | 3198+82 | PE-NO-087.000-HWY<br>27' | 3199+09 | PE-NO-090.000<br>156' | 3200+65 | PE-NO-093.000<br>421' | 3204+86 | PE-NO-094.000<br>209' | 3206+95 | PE-NO-095.000<br>1385' |

3220+80

STATIONING

3198+61 CENTERLINE OF PP&L OVERHEAD LINE
3198+81 EDGE OF PAVEMENT
3198+82 PROPERTY LINE
3199+08 CENTERLINE OF MOORESTOWN DR/STATE RTE 512
3199+09 PROPERTY LINE
3199+33 EDGE OF PAVEMENT
3199+34 GUARDRAIL
3199+50 CENTERLINE OF PPL ELECTRIC UTILITIES CORP. OVERHEAD LINE
3199+51 EDGE OF WATERBODY 090314_DB_1005_E_MI
3199+56 CENTERLINE OF TWIN COUNTY CABLE TV OVERHEAD LINE
3199+60 EDGE OF WATERBODY 090314_DB_1005_E_MI
3200+24 EXISTING WALL
3200+28 EXISTING WALL
3200+65 PROPERTY LINE
3202+08 SHED
3202+24 SHED
3202+25 EDGE OF WETLAND 090314_DB_004_PEM
3202+71 EDGE OF WETLAND 090314_DB_004_PEM
3202+71 EDGE OF WATERBODY 090314_DB_1007_E_MI
3202+75 EDGE OF WATERBODY 090314_DB_1007_E_MI
3202+75 EDGE OF WETLAND 090314_DB_004_PEM
3202+85 EDGE OF WETLAND 090314_DB_004_PEM
3203+41 EDGE OF WATERBODY 090314_DB_1006_I_MI
3203+48 EDGE OF WATERBODY 090314_DB_1006_I_MI
3204+86 PROPERTY LINE
3205+08 P.I.~ 5°26'22" LT
3206+95 PROPERTY LINE
3210+97 CENTERLINE OF UNNAMED ROAD

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 60.5
M.P. 61.0
N
LAT: 40° 44' 13.91" N
LONG: 75° 23' 38.62" W
MOORE TOWNSHIP
EAST ALLEN TOWNSHIP
PE-NO-A126.000
PE-NO-090.000
PE-NO-092.000
PE-NO-A127.000
PE-NO-089.000
PE-NO-087.000
AR-056A (REFER TO ACCESS ROAD DETAIL)
AR-056A (REFER TO ACCESS ROAD DETAIL)
MOORESTOWN DRIVE STATE ROUTE 512
SHADY ROAD
WATERBODY 090314_DB_1007_E_MI
PE-NO-087.000-HWY
LAT: 40° 44' 10.00" N
LONG: 75° 23' 37.25" W
UTILITY EASEMENT
EXISTING OVERHEAD LINES
PE-NO-094.000
WATERBODY 090314_DB_1006_I_MI
PE-NO-095.000
SEE DWG. 000-03-01-121
STA. 3194+40
SEE DWG. 000-03-01-123
STA. 3220+80
3195+00
3205+00
3210+00
3215+00
3220+00
LAT: 40° 44' 10.23" N
LONG: 75° 23' 38.64" W
PE-NO-087.000
UTILITY EASEMENT
EXISTING OVERHEAD LINE
PE-NO-007-ROAD
WATERBODY 090314_DB_1005_E_MI
EXISTING OVERHEAD LINES
WETLAND 090314_DB_004_PEM
PROPOSED 36" PENNEAST PIPELINE
UNNAMED ROAD
PE-NO-093.000
EAST ALLEN TOWNSHIP
BATH BORO
PE-NO-091.000
PE-NO-095.000
SCALE: 1" = 100'
100 50 0 100
BkC
BfB
ClB
WkD
UkaB
ESCGP

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LAND USE | | AG | UF | RD | RE | UF | AG | UF | AG |

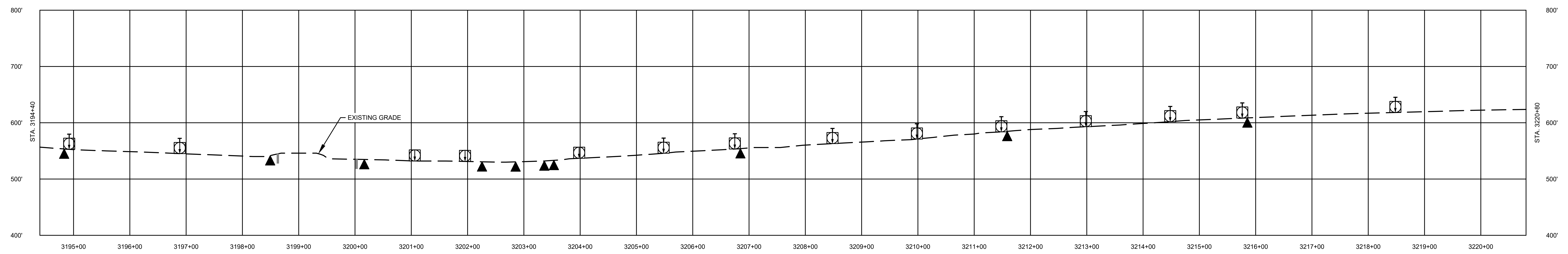
| | | |
|---|---|---|
| WATERSHED NAME | | MONOCACY CREEK |
| WATERSHED CLASSIFICATION | | HQ-CWF, MF |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SOILS | BkC | BfB | ClB | BfB | WkD | BkC | BfB |

| | | | |
|---|---|---|---|
| WATERBODY CROSSING METHOD | 090314_DB_1005_E_MI<br>I: BX<br>II: BX<br>III: BX | 090314_DB_1007_E_MI<br>I: DPX<br>II: FX<br>III: DX-NF | 090314_DB_1006_I_MI<br>I: DPX<br>II: FX<br>III: DX-NF |

| | | |
|---|---|---|
| CLASS LOCATION | | CLASS II |
| DESIGN FACTOR | | 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 |
| 000-03-03-039 | 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
## NORTHAMPTON COUNTY, PENNSYLVANIA
## 36" PENNEAST PIPELINE
## STA. 3194+40 TO STA. 3220+80

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-122 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-122.DWG2019/10/17 GUR84729

| OWNERSHIP / FOOTAGE | | PE-NO-095.000 | PE-NO-096.000 | PE-NO-098.000 | PE-NO-100.000 | PE-NO-101.000 | |
|---|---|---|---|---|---|---|---|
| | 3220+80 | 518' | 358' | 1360' | 272' | 212' | 3248+00 |

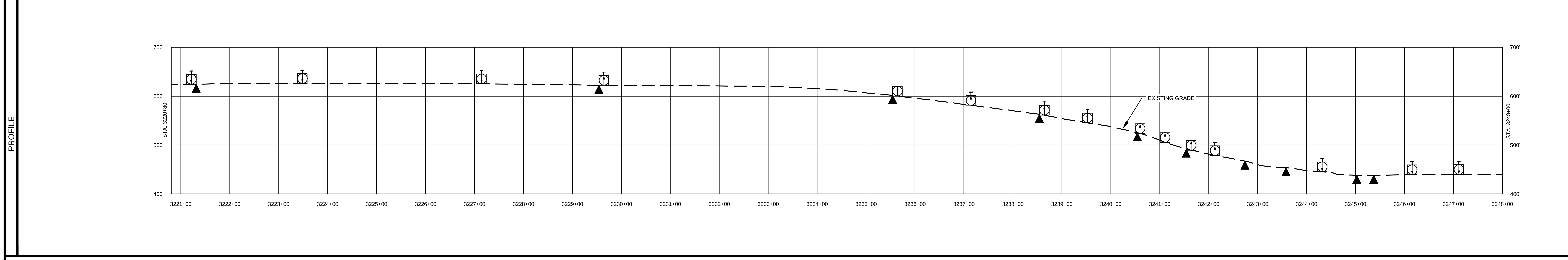
Boundaries: 3220+80, 3225+98, 3229+56, 3243+16, 3245+88, 3248+00

**STATIONING**

3225+98 PROPERTY LINE
3229+46 P.I.~ 2°13'02" LT
3229+56 PROPERTY LINE
3243+08 EDGE OF PAVEMENT
3243+16 PROPERTY LINE
3243+18 CENTERLINE OF PENNDIXIE RD
3243+26 CENTERLINE OF PP&L OVERHEAD LINE
3243+27 EDGE OF PAVEMENT
3243+72 EXISTING WALL
3243+72 EXISTING WALL
3244+22 EDGE OF CONCRETE
3245+08 EDGE OF WATERBODY 111214_JC_1004_P_IM
3245+23 CENTERLINE OF STREAM
3245+32 EDGE OF WATERBODY 111214_JC_1004_P_IM
3245+88 PROPERTY LINE
3246+51 P.I.~ 72°23'59" RT

NORTHAMPTON COUNTY, PENNSYLVANIA
N
M.P. 61.0
M.P. 61.5R3
PE-NO-095.000
PE-NO-096.000
PE-NO-098.000
PE-NO-099.000
PE-NO-100.000
PE-NO-101.000
PE-NO-A148.000
UPPER NAZARETH TOWNSHIP
EAST ALLEN TOWNSHIP
BATH BORO
PENNDIXIE ROAD
3220+00
3225+00
3230+00
3235+00
3240+00
3245+00
3250+00
SEE DWG. 000-03-01-122 STA. 3220+80
STA. 3248+00 SEE DWG. 000-03-01-124
PROPOSED 36" PENNEAST PIPELINE
LAT: 40° 44' 4.72" N
LONG: 75° 22' 41.41" W
LAT: 40° 44' 4.62" N
LONG: 75° 22' 39.83" W
STREAM PA-NHD-092
WATERBODY 111214_JC_1004_P_IM
WETLAND 111214_JC_003_PEM
EXISTING OVERHEAD LINE
SCALE: 1" = 100'
100 50 0 100
ESCGP
BfB
BkA
BkB
BkC
BkF
WkB
WkC
WkD
BtA
BtB
CpA
CpB
UusB
UusD

| | |
|---|---|
| LAND USE | AG \| UF \| AG \| UF \| AG \| UF \| AG \| RE \| RD \| RE \| AG \| UF \| WB/OW \| UF \| AG |
| WATERSHED NAME | MONOCACY CREEK \| EAST BRANCH MONOCACY CREEK |
| WATERSHED CLASSIFICATION | HQ-CWF, MF \| HQ-CWF, MF |
| SOILS | BfB \| BkA \| WkB \| WkC \| WkD \| BkF \| WkD \| CpA \| BtA \| CpA |
| WATERBODY CROSSING METHOD | 111214_JC_1004_P_IM<br>I: DPX<br>II: FX<br>III: CD |
| CLASS LOCATION | CLASS II |
| DESIGN FACTOR | 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

SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3220+80 TO STA. 3248+00

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-123 | B |

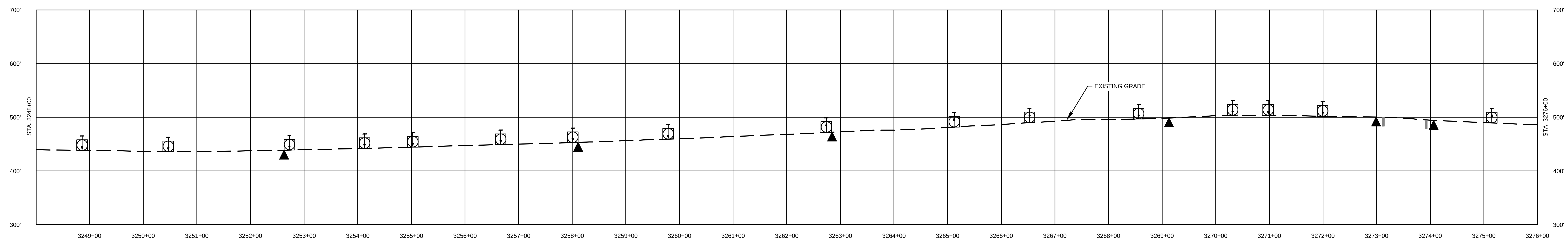
G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-123.DWG2019/10/18 GUR84729

| | |
|---|---|
| OWNERSHIP / FOOTAGE | 3248+00<br>PE-NO-101.000 1929'<br>3267+29<br>PE-NO-A164.000 598'<br>3273+27<br>PE-NO-A164.000-HWY 46'<br>3273+73<br>PE-NO-A740.000 227'<br>3276+00 |
| STATIONING | 3250+33 P.I.~ 12°05'12" LT<br>3250+73 P.I.~ 12°05'12" LT<br>3251+13 P.I.~ 12°05'12" LT<br>3251+53 P.I.~ 12°05'12" LT<br>3251+93 P.I.~ 12°05'12" LT<br>3252+33 P.I.~ 12°05'12" LT<br>3252+73 P.I.~ 12°05'12" LT<br>3255+21 CENTERLINE OF UNNAMED ROAD<br>3267+29 PROPERTY LINE<br>3273+27 CENTERLINE OF VERIZON OVERHEAD LINE<br>3273+27 PROPERTY LINE<br>3273+31 EDGE OF PAVEMENT<br>3273+42 CENTERLINE OF MICHAELS SHOOL RD<br>3273+51 EDGE OF PAVEMENT<br>3273+73 PROPERTY LINE<br>3274+79 P.I.~ 12°51'58" RT<br>3275+19 P.I.~ 12°51'58" RT<br>3275+59 P.I.~ 12°51'58" RT<br>3275+99 P.I.~ 12°51'58" RT |

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 61.5R3
M.P. 62.0R3
LAT: 40° 44' 4.62" N
LONG: 75° 22' 39.83" W
LAT: 40° 44' 2.15" N
LONG:75° 22' 5.62" W
LAT: 40° 44' 2.00" N
LONG:75° 22' 7.16" W
PE-NO-101.000
PE-NO-A164.000
PE-NO-A164.000-HWY
PE-NO-100.000
WETLAND 111214_JC_003_PEM
EXISTING OVERHEAD LINE
STREAM PA-NHD-092
PENNSVILLE ROAD
MICHAELS
SEE DWG. 000-03-01-123 STA. 3248+00
SEE DWG. 000-03-01-124.1 STA. 3276+00
PROPOSED 36" PENNEAST PIPELINE
3250+00
3255+00
3260+00
3265+00
3270+00
3275+00
CpA
CpB
ClB
DuB
DuA
DvC
BkF
RyB
ESCGP
SCALE: 1" = 100'
100 50 0 100

| | |
|---|---|
| LAND USE | AG<br>UF<br>AG<br>RD<br>AG<br>UF |
| WATERSHED NAME | EAST BRANCH MONOCACY CREEK<br>EAST BRANCH MONOCACY CREEK |
| WATERSHED CLASSIFICATION | HQ-CWF, MF<br>HQ-CWF, MF |
| SOILS | CpA<br>ClB<br>DuA<br>ClB<br>RyB |
| WATERBODY CROSSING METHOD | |
| CLASS LOCATION | CLASS II<br>CLASS I<br>CLASS II |
| DESIGN FACTOR | 0.60<br>0.72<br>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
SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3248+00 TO STA. 3276+00

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-124 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\M\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-124.DWG 2019/10/18 DUM64749

| OWNERSHIP / FOOTAGE | 3276+00 | PE-NO-A740.000<br>14' | 3276+14 | PE-NO-A166.000<br>835' | 3284+49 | PE-NO-100.006<br>219' | 3286+68 | PE-NO-103.000<br>437' | 3291+05 | PE-NO-103.001<br>95' | 3292+00 |
|---|---|---|---|---|---|---|---|---|---|---|---|

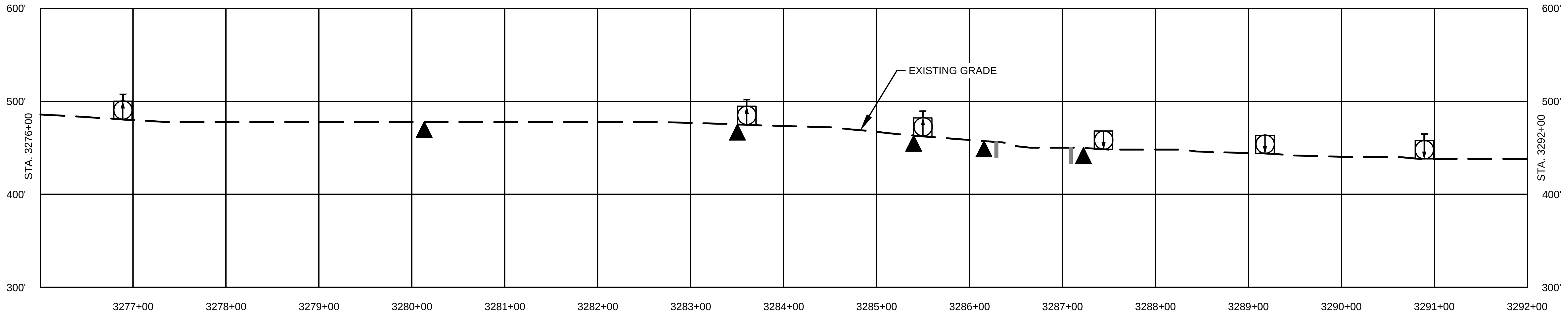
**STATIONING**

3276+14 PROPERTY LINE
3276+39 P.I.~ 12°51'58" RT
3276+79 P.I.~ 12°51'58" RT
3277+19 P.I.~ 12°51'58" RT
3284+49 PROPERTY LINE
3286+49 CENTERLINE OF BTC OF PA OVERHEAD LINE
3286+54 EDGE OF PAVEMENT
3286+68 PROPERTY LINE
3286+69 CENTERLINE OF BATH PIKE / STATE RTE 248
3286+84 EDGE OF PAVEMENT
3286+87 OVERHEAD LINE
3287+28 P.I.~ 69°26'16" LT
3287+55 EDGE OF DIRT
3287+59 CENTERLINE OF UNNAMED ROAD
3287+63 EDGE OF DIRT
3291+05 PROPERTY LINE
3291+15 CENTERLINE OF OVERHEAD LINE
3291+22 BUILDING
3291+24 EDGE OF PAVEMENT
3291+63 BUILDING

NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 62.0R3
M.P. 62.3R3
N
PE-NO-A743.000
PE-NO-100.001
PE-NOA742.000
PE-NO-A746.000
PE-NO-A166.000
PE-NO-A164.000-HWY
PE-NO-100.002
PE-NO-100.003
PE-NO-100.004
PE-NO-100.005
PE-NO-100.006
PE-NO-103.000
PE-NO-003-ROAD
PE-NO-102.002
PE-NO-102.000
PROPOSED 36" PENNEAST PIPELINE
LAT:40° 44' 2.15" N
LONG:75° 22' 5.62" W
LAT:40° 44' 2.00" N
LONG:75° 22' 7.16" W
LAT:40° 43' 51.81" N
LONG:75° 22' 0.33" W
LAT:40° 43' 50.66" N
LONG:75° 22' 1.06" W
LAT:40° 43' 48.05" N
LONG:75° 21' 48.40" W
SEE DWG: 000-03-01-124
STA. 3276+00
STA. 3292+00
SEE DWG: 000-03-01-124.2
3275+00
3280+00
3285+00
3290+00
3295+00
EXISTING OVERHEAD LINES
EXISTING OVERHEAD LINES
EXISTING OVERHEAD LINE
MICHAELS SCHOOL ROAD
UNNAMED ROAD
STATE RTE 248 / BATH PIKE
GUN CLUB ROAD
STREAM PA-NHD-094
EXISTING PIPELINE (UGI UTILITIES)
WATERBODY 102715_WA_1002_P_MI
ESCGP
DvC
BkF
RyB
ClB
DuB
DuA
UoB
UkaB
ClA
CpA
115'
115'
90'
90'
90'
90'
35'
440'
430'
430'
460'
450'
45'
85'
85'
65'
50'
25'
SCALE: 1" = 100'
100 50 0 100

| LAND USE | | UF | AG | UF | RE | RD | AG | UF | RE | |
|---|---|---|---|---|---|---|---|---|---|---|
| WATERSHED NAME | | EAST BRANCH MONOCACY CREEK | | | | | | | | |
| WATERSHED CLASSIFICATION | | HQ-CWF, MF | | | | | | | | |
| SOILS | | RyB | ClB | UoB | | | | | | |
| WATERBODY CROSSING METHOD | | | | | | | | | | |
| CLASS LOCATION | | CLASS II | | | | | | | | |
| DESIGN FACTOR | | 0.60 | | | | | | | | |
| 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 |

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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3276+00 TO STA. 3292+00

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-124.1 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-124.1.DWG2019/10/18 MCC63488

| OWNERSHIP / FOOTAGE | PE-NO-103.001 | PE-NO-103.000 | PE-NO-102.000 | PE-NO-102.002 | PE-NO-102.003 | PE-NO-102.004 |
|---|---|---|---|---|---|---|
| Stations | 3292+00 – 3292+52 | 3292+52 – 3293+33 | 3293+33 – 3293+77 | 3293+77 – 3296+36 | 3296+36 – 3301+08 | 3301+08 – 3302+28 |
| Footage | 52' | 81' | 44' | 259' | 844' | 120' |

STATIONING

3292+52 PROPERTY LINE
3293+33 PROPERTY LINE
3293+65 EDGE OF WATERBODY 102715_WA_1002_P_MI
3293+68 EDGE OF WATERBODY 102715_WA_1002_P_MI
3293+77 PROPERTY LINE
3296+12 CENTERLINE OF BTC OF PA OVERHEAD LINE
3296+16 STORM LINE
3296+23 EDGE OF PAVEMENT
3296+23 CENTERLINE OF UGI UTILITIES, INC. PIPELINE
3296+29 P.I.= 2°03'27" LT
3296+35 CENTERLINE OF GUN CLUB RD
3296+36 PROPERTY LINE
3296+50 EDGE OF PAVEMENT
3301+72 P.I.= 38°51'44" RT
3301+08 PROPERTY LINE

M.P. 62.3R3
M.P. 62.5R2
NORTHAMPTON COUNTY, PENNSYLVANIA
EQUATION
3301+88 Back
3298+15 Ahead
Diff. = 373'
EQUATION
3302+37 Back
3301+04 Ahead
Diff. = 233'
PE-NO-A410.000
PROPOSED MLV-7 (REFER TO FACILITY EROSION AND SEDIMENT CONTROL PLAN)
EXISTING PIPELINE (UGI UTILITIES, INC.)
LAT:40° 43' 48.30" N
LONG:75° 21' 49.95" W
STREAM PA-NHD-094
PE-NO-003-ROAD
STATE RTE 248 / BATH PIKE
UNNAMED ROAD
3290+00
3295+00
3300+00
3305+00
PROPOSED 36" PENNEAST PIPELINE
PE-NO-102.003
PE-NO-102.002
LAT:40° 43' 48.05" N
LONG:75° 21' 48.40" W
WATERBODY 102715_WA_1002_P_MI
PE-NO-102.000
EXISTING OVERHEAD LINE
STREAM PA-NHD-094
EXISTING PIPELINE (UGI UTILITIES)
GUN CLUB RD
EXISTING OVERHEAD LINES
PE-NO-100.002
PE-NO-100.003
PE-NO-100.004
PE-NO-100.005
PE-NO-100.006
PE-NO-A165.000
PE-NO-A165.000-HWY
PE-NO-102.001
PE-NO-103.000
LAT:40° 43' 51.81" N
LONG:75° 22' 0.53" W
LAT:40° 43' 50.66" N
LONG:75° 22' 1.06" W
SEE DWG. 000-03-01-124.1
STA. 3292+00
STA. 3302+28
SEE DWG. 000-03-01-125
PE-NO-A416.000
PE-NO-A418.000
PE-NO-A420.000
PE-NO-A412.000
PE-NO-A415.000
PE-NO-102.004
PROPOSED 36" PENNEAST PIPELINE
DuB
ClA
CpA
UoB
SCALE: 1" = 100'
100 50 0 100

| LAND USE | RE | UF | CI | RD | UF | AG | UF | AG |
|---|---|---|---|---|---|---|---|---|

WATERSHED NAME: EAST BRANCH MONOCACY CREEK

WATERSHED CLASSIFICATION: HQ-CWF, MF

| SOILS | UoB | CpA | ClA | DuB |
|---|---|---|---|---|

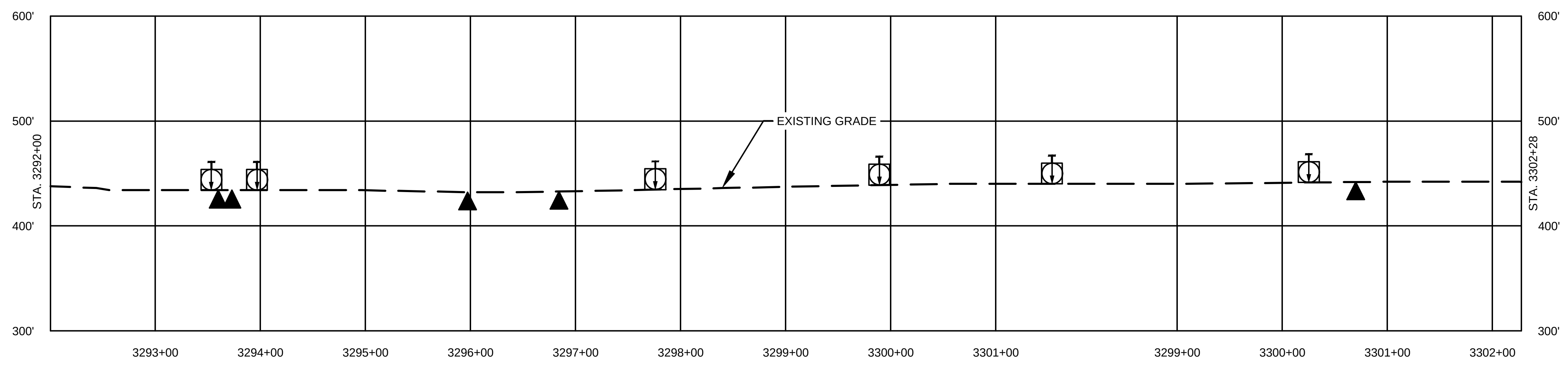
WATERBODY CROSSING METHOD: 102715_WA_1002_P_MI<br>I: DPX<br>II: FX<br>III: CD

CLASS LOCATION: CLASS II

DESIGN FACTOR: 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 | |
| AJD (MM) | 10/15/2018 |
| CHECKED BY | |
| MWF (MM) | 10/15/2018 |
| ENG. APPROVAL | |
| MJD (MM) | 10/15/2018 |
| P.M. APPROVAL | |

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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3292+00 TO STA. 3302+28

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-124.2 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-124.2.DWG2019/10/18 DUM64749

| OWNERSHIP / FOOTAGE | 3302+28 | PE-NO-102.004<br>975' | 3309+70 | PE-NO-102.006<br>363' | 3313+33 | PE-NO-104.000<br>133' | 3314+66 | PE-NO-108.000<br>534' | 3320+00 |
|---|---|---|---|---|---|---|---|---|---|

STATIONING

3302+97 P.I.~ 8°43'38" LT
3301+04 P.I.~ 8°43'37" LT
3309+69 PROPERTY LINE
3309+94 P.I.~ 29°40'13" RT
3310+02 EDGE OF GRAVEL
3310+05 CENTERLINE OF UNNAMED ROAD
3310+09 EDGE OF GRAVEL
3311+13 EDGE OF RAILROAD
3311+16 CENTERLINE OF NORFOLK SOUTHERN RAILROAD
3311+18 EDGE OF RAILROAD
3311+19 EDGE OF GRAVEL
3311+29 CENTERLINE OF UNNAMED ROAD
3311+51 EDGE OF CONCRETE
3311+51 EDGE OF GRAVEL
3311+78 EDGE OF CONCRETE
3312+36 CENTERLINE OF NORFOLK SOUTHERN RAILROAD
3312+45 EDGE OF GRAVEL
3312+79 EDGE OF GRAVEL
3313+33 PROPERTY LINE
3314+04 EDGE OF GRAVEL
3314+12 CENTERLINE OF NORFOLK SOUTHERN RAILROAD
3314+27 CENTERLINE OF NORFOLK SOUTHERN RAILROAD
3314+41 CENTERLINE OF NORFOLK SOUTHERN RAILROAD
3314+66 PROPERTY LINE
3314+80 EDGE OF GRAVEL
3314+91 CENTERLINE OF UNNAMED ROAD
3314+97 EDGE OF GRAVEL
3315+17 CENTERLINE OF GPU OVERHEAD LINE
3315+27 EDGE OF WATERBODY 051415_JC_1001_I_MI
3315+30 EDGE OF WATERBODY 051415_JC_1001_I_MI
3315+61 P.I.~ 8°15'39" RT
3316+01 P.I.~ 8°15'39" RT

M.P. 62.5R2
M.P. 62.9R3
NORTHAMPTON COUNTY, PENNSYLVANIA
EQUATION
3301+88 Back
3298+15 Ahead
Diff. = 373'
EQUATION
3303+37 Back
3301+04 Ahead
Diff. = 233'
PE-NO-A418.000
PE-NO-A412.000
PE-NO-A420.000
PE-NO-A416.000
PE-NO-A415.000
PE-NO-102.004
PE-NO-102.003
PE-NO-102.006
PE-NO-104.000
PE-NO-108.000
PE-NO-109.000
PE-NO-110.000
PE-NO-111.000
PROPOSED 36" PENNEAST PIPELINE
SEE DWG. 000-03-01-124.2 STA. 3302+28
SEE DWG. 000-03-01-126 STA. 3320+00
3300+00
3305+00
3310+00
3315+00
3320+00
3325+00
AR-057BN (REFER TO ACCESS ROAD DETAIL)
AR-057 (REFER TO ACCESS ROAD DETAIL)
AR-057AN (REFER TO ACCESS ROAD DETAIL)
EXISTING NORFOLK SOUTHERN SPUR LINE
EXISTING RAILROAD LINE (PENNSYLVANIA LINES LLC)
STREAM PA-NHD-096
STREAM PA-NHD-096
WATERBODY 051415_JC_1001_I_MI
WETLAND NWI-363
WETLAND NWI-379
ESCGP
UoB
DuB
DuA
CpA
35'
90'
165'
140'
85'
110'
420'
430'
440'
410'
SCALE: 1" = 100'
100 50 0 100

| LAND USE | AG | UF | CI | RD | OL/ROW | RD | CI | OL/ROW | AG |
|---|---|---|---|---|---|---|---|---|---|

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

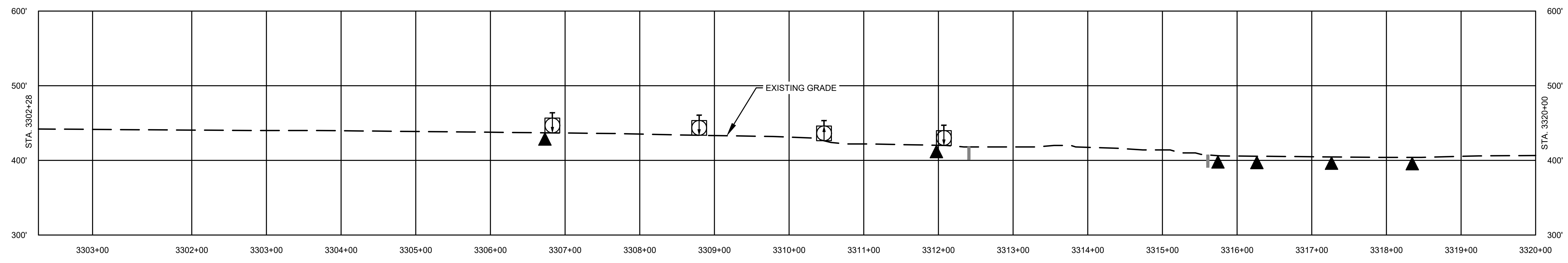
| SOILS | DuB | UoB | CpA | WaB |
|---|---|---|---|---|

| WATERBODY CROSSING METHOD | 051415_JC_1001_I_MI<br>I: BX<br>II: BX<br>III: BX |
|---|---|

| CLASS LOCATION | CLASS II | CLASS III |
|---|---|---|
| DESIGN FACTOR | 0.60 | 0.50 |

| 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 |
| 000-03-03-040 | 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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3302+28 TO STA. 3320+00

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-125 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\M\DATA\PROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-125.DWG2019/10/17 GUR84729

| | | | |
|---|---|---|---|
| OWNERSHIP / FOOTAGE | 3320+00 | PE-NO-108.000<br>1096' | 3330+96 |
| | | PE-NO-A181.000<br>905' | 3340+01 |

STATIONING

3321+13 P.I.~ 12°16'35" LT
3321+53 P.I.~ 12°16'35" LT
3321+93 P.I.~ 12°16'35" LT
3322+33 P.I.~ 12°16'35" LT
3322+73 P.I.~ 14°00'00" LT
3323+14 P.I.~ 10°21'36" LT
3330+96 PROPERTY LINE
3331+49 P.I.~ 44°59'57" RT
3332+70 P.I.~ 45°00'00" LT
3333+33 P.I.~ 12°53'53" LT
3333+73 P.I.~ 12°53'53" LT
3336+57 P.I.~ 7°40'48" LT

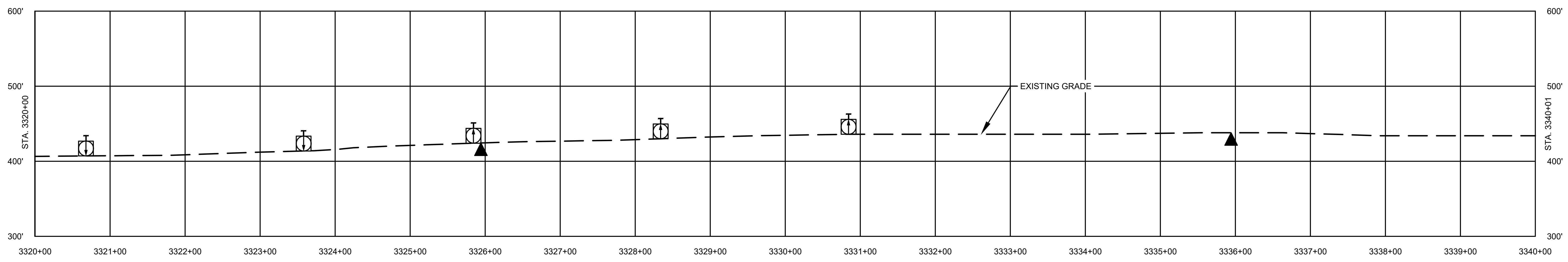
NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 62.9R3
M.P. 63.3R3
N
PE-NO-108.000
PE-NO-A181.000
PE-NO-111.000
PE-NO-114.000
WETLAND
WETLAND
CpA
WaB
ESCGP
35'
90'
410'
115'
125'
SEE DWG. 000-03-01-125 STA. 3320+00
STA. 3340+01 SEE DWG. 000-03-01-127
3325+00
3330+00
3335+00
3340+00
PROPOSED 36" PENNEAST PIPELINE
SCALE: 1" = 100'
100
50
0
100

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LAND USE | AG | UF | AG | UF | AG | UF | AG | UF | AG | UF | AG | UF |

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

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
SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3320+00 TO STA. 3340+01

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-126 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORKPA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-126.DWG2019/10/17 GUR84729

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPCM\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-127.DWG2019/10/17 GUR84729

| OWNERSHIP / FOOTAGE | 3340+01 | 3345+40 | 3343+82 | 3352+80 |
|---|---|---|---|---|
| | PE-NO-A181.000<br>539' | PE-NO-A430.000<br>521' | PE-NO-114.000<br>898' | |

STATIONING

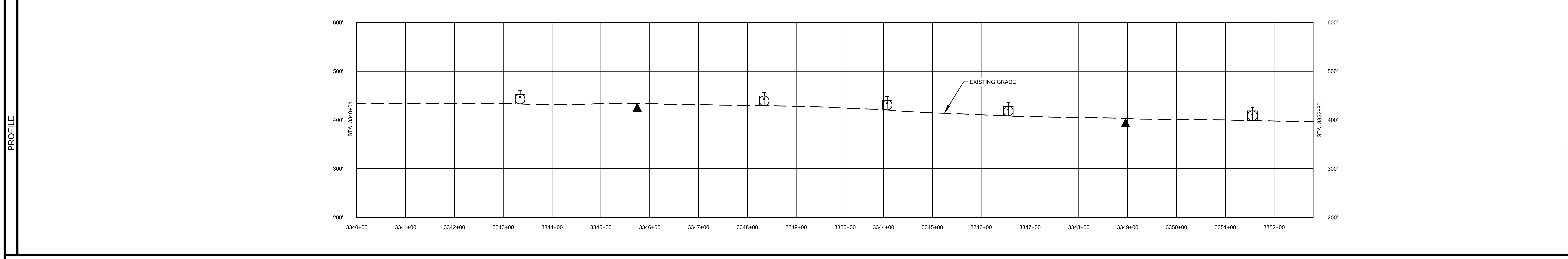
3345+40 PROPERTY LINE
3349+48 P.I.~ 9°27'18" RT
3349+88 P.I.~ 9°27'18" RT
3350+28 P.I.~ 9°27'18" RT
3343+82 PROPERTY LINE
3345+73 EDGE OF DIRT
3345+80 CENTERLINE OF UNNAMED ROAD
3345+86 EDGE OF DIRT
3346+46 P.I.~ 10°46'40" RT
3346+86 P.I.~ 10°50'36" RT

N
NORTHAMPTON COUNTY, PENNSYLVANIA
M.P. 63.3R3
M.P. 63.5
PE-NO-A181.000
PE-NO-A430.000
PE-NO-114.000
PE-NO-A430.000
PE-NO-A557.000
SEE DWG. 000-03-01-126 STA. 3340+01
STA. 3352+80 SEE DWG. 000-03-01-128
3335+00
3345+00
3350+00
3345+00
3350+00
AR-058 (REFER TO ACCESS ROAD DETAIL)
ESCGP
WaB
WaA
WaC
CpA
410'
420'
430'
400'
90'
125'
85'
SCALE: 1" = 100'
100 50 0 100

EQUATION
3350+28 Back
3343+50 Ahead
Diff. = 678'

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| LAND USE | UF | AG | UF | AG | UF | AG | UF | AG | |
| WATERSHED NAME | EAST BRANCH MONOCACY CREEK | | | | | | | | |
| WATERSHED CLASSIFICATION | HQ-CWF, MF | | | | | | | | |
| SOILS | WaB | WaA | WaB | | | | | | |
| WATERBODY CROSSING METHOD | | | | | | | | | |
| CLASS LOCATION | CLASS I | CLASS III | | | | | | | |
| DESIGN FACTOR | 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 | | MATERIAL | | | REFERENCE DRAWINGS | |
|---|---|---|---|---|---|---|
| 1. AGRICULTURAL (AG) | 10. OPEN WATERBODIES (WB / OW) | TAG | QUANTITY | DESCRIPTION | DWG. NO. | TITLE |
| 2. COMMERCIAL / INDUSTRIAL (CI) | | | | | 000-01-01-001B | TABLE OF CONTENTS AND LEGEND |
| 3. UPLAND FOREST (UF) | | | | | 000-03-03-041 | ACCESS ROAD DETAIL |
| 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) | | | | | | |

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
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3340+01 TO STA. 3352+80

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-127 | B |

| OWNERSHIP / FOOTAGE | 3352+80 | PE-NO-114.000 | 3360+46 | PE-NO-A422.000 | 3363+86 | PE-NO-114.001-MR | 3364+37 | PE-NO-114.002 | 3365+14 | PE-NO-114.003 | 3366+66 | PE-NO-A196.000 | 3371+60 | PE-NO-124.000 | 3375+69 | PE-NO-122.000 | 3378+72 | PE-NO-126.000 | 3379+20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 766' | | 340' | | 51' | | 77' | | 152' | | 508' | | 409' | | 303' | | 48' | |

**STATIONING**

3355+25 EDGE OF WATERBODY 051415_JC_1002_P_IN
3355+35 CENTERLINE OF STREAM
3355+45 EDGE OF WATERBODY 051415_JC_1002_P_IN
3358+25 P.I.~ 12°47'14" RT
3358+65 P.I.~ 12°47'11" RT
3359+05 P.I.~ 12°47'15" RT
3359+60 P.I.~ 12°14'04" RT
3360+21 EDGE OF PAVEMENT
3360+30 CENTERLINE OF BLOSSOM HILL RD
3360+31 CENTERLINE OF GPU OVERHEAD LINE
3360+39 EDGE OF PAVEMENT
3360+46 PROPERTY LINE
3361+92 P.I.~ 12°59'17" LT
3362+32 P.I.~ 12°59'15" LT
3362+72 P.I.~ 12°59'16" LT
3363+86 PROPERTY LINE
3363+97 CENTERLINE OF GPU OVERHEAD LINE
3364+02 EDGE OF PAVEMENT
3364+12 CENTERLINE OF GEORGETOWN RD
3364+21 EDGE OF PAVEMENT
3364+37 PROPERTY LINE
3365+14 PROPERTY LINE
3366+66 PROPERTY LINE
3366+75 P.I.~ 12°08'40" RT
3367+15 P.I.~ 12°08'42" RT
3367+55 P.I.~ 12°08'39" RT
3371+60 PROPERTY LINE
3375+23 P.I.~ 42°33'57" LT
3375+69 PROPERTY LINE
3377+46 SEWER LINE
3378+72 PROPERTY LINE
3378+84 P.I.~ 49°30'02" RT

NORTHAMPTON COUNTY, PENNSYLVANIA
EQUATION
3367+55 Back
3367+41 Ahead
Diff. = 14'
M.P. 63.5
M.P. 64.0R3
SEE DWG. 000-03-01-127 STA. 3352+80
STA. 3379+20 SEE DWG. 000-03-01-129
STREAM PA-NHD-095
WATERBODY 051415_JC_1002_P_IN
WATERBODY PA-NHD-579
WETLAND NWI-339
WETLAND 111314_JC_002_VP
EXISTING OVERHEAD LINE
BLOSSOM HILL ROAD
GEORGETOWN ROAD
PROPOSED 36" PENNEAST PIPELINE
AR-059
(REFER TO ACCESS ROAD DETAIL)
LAT: 40° 43' 27.45" N
LONG: 75° 20' 29.16" W
LAT: 40° 43' 26.34" N
LONG: 75° 20' 28.69" W
LAT: 40° 43' 24.50" N
LONG: 75° 20' 27.03" W
LAT: 40° 43' 23.84" N
LONG: 75° 20' 25.73" W
PE-NO-A430.000
PE-NO-A557.000
PE-NO-114.004
PE-NO-114.000-MR
PE-NO-114.001
PE-NO-114.001-MR
PE-NO-114.002
PE-NO-114.003
PE-NO-114.000
PE-NO-A422.000
PE-NO-115.000
PE-NO-A421.000
PE-NO-A196.000
PE-NO-124.000
PE-NO-125.000
PE-NO-122.000
PE-NO-126.000
PE-NO-127.000
PE-NO-A861.000
UPPER NAZARETH TOWNSHIP
LOWER NAZARETH TOWNSHIP
3350+00
3370+00
3375+00
3380+00
SCALE: 1" = 100'
100 50 0 100
ESCGP
WaB
ClA
CpA
WaA

| LAND USE | | AG | UF | WB/OW | UF | WB/OW | UF | AG | UF | RD | AG | RD | RE | AG | RE | AG | UF | OL/ROW | UF | OL/ROW | UF | OL/ROW | UF | RE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

WATERSHED NAME: EAST BRANCH MONOCACY CREEK

WATERSHED CLASSIFICATION: HQ-CWF, MF

| SOILS | | WaB | Ho | ClA | CpA | WaB | WaA | WaB | WaA |
|---|---|---|---|---|---|---|---|---|---|

WATERBODY CROSSING METHOD: 051415_JC_1002_P_IN<br>I: DPX<br>II: FX<br>III: CD

CLASS LOCATION: CLASS III

DESIGN FACTOR: 0.50

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 |
| 000-03-03-041 | ACCESS ROAD DETAIL |
| 000-03-03-042 | ACCESS ROAD DETAIL |

REVISIONS

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| | |

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

CLIENT APPROVAL

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PREPARED FOR

PennEast PIPELINE

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SOIL EROSION AND SEDIMENT CONTROL PLAN
ALIGNMENT SHEET
PENNEAST MAINLINE
NORTHAMPTON COUNTY, PENNSYLVANIA
36" PENNEAST PIPELINE
STA. 3352+80 TO STA. 3379+20

| SCALE | DRAWING NO. | REVISION |
|---|---|---|
| 1" = 100' | 000-03-01-128 | B |

G:\PENNEAST\353754_PENNEAST_PIPELINE_EPC\DATAPROD_STATE_PERMIT\WORK\PA\DRAFTING\EROSION_SEDIMENT_CONTROL_PLAN\ALIGNMENT_SHEETS\000-03-01-128.DWG 2019/10/17 DUM64749