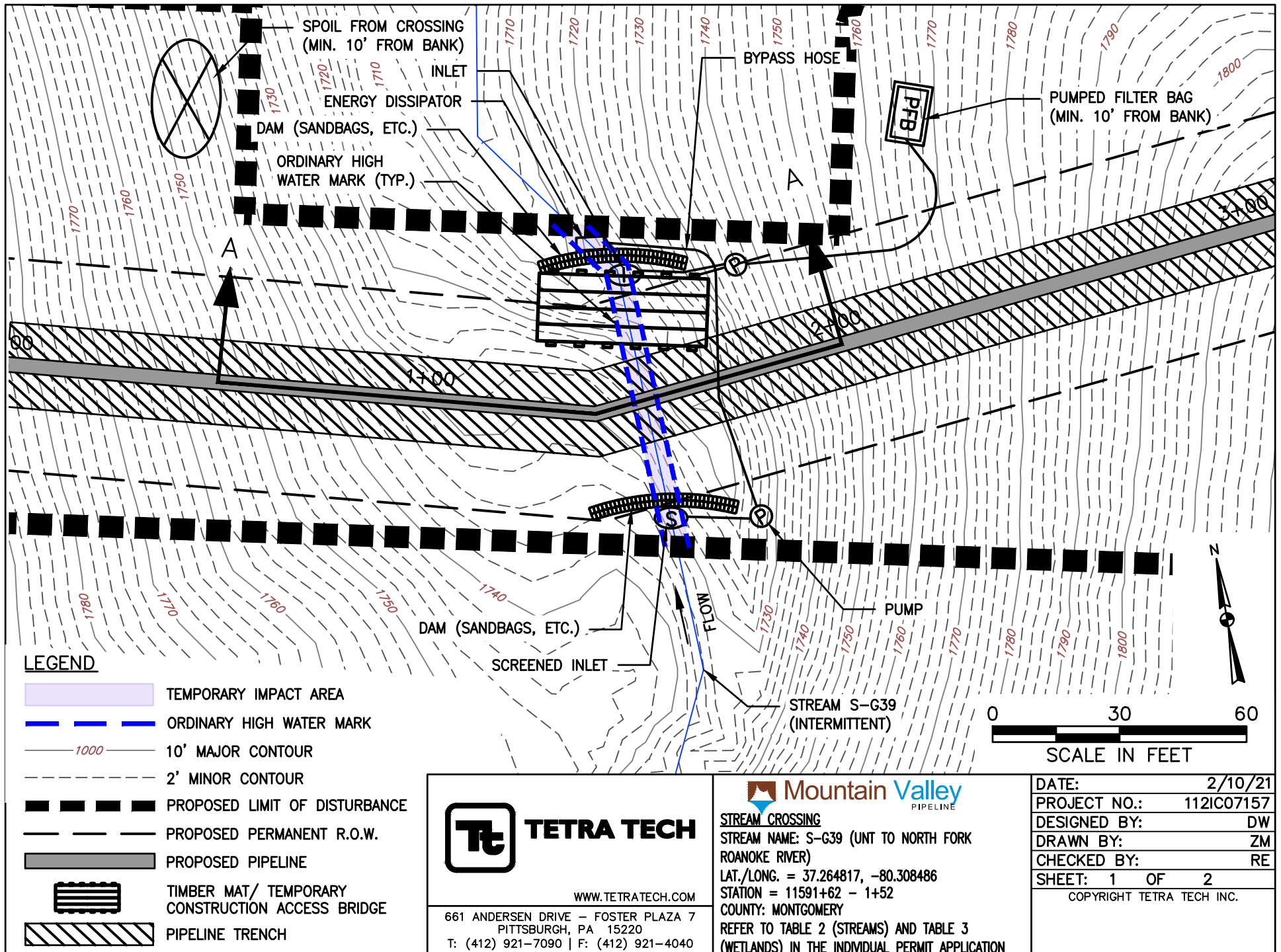
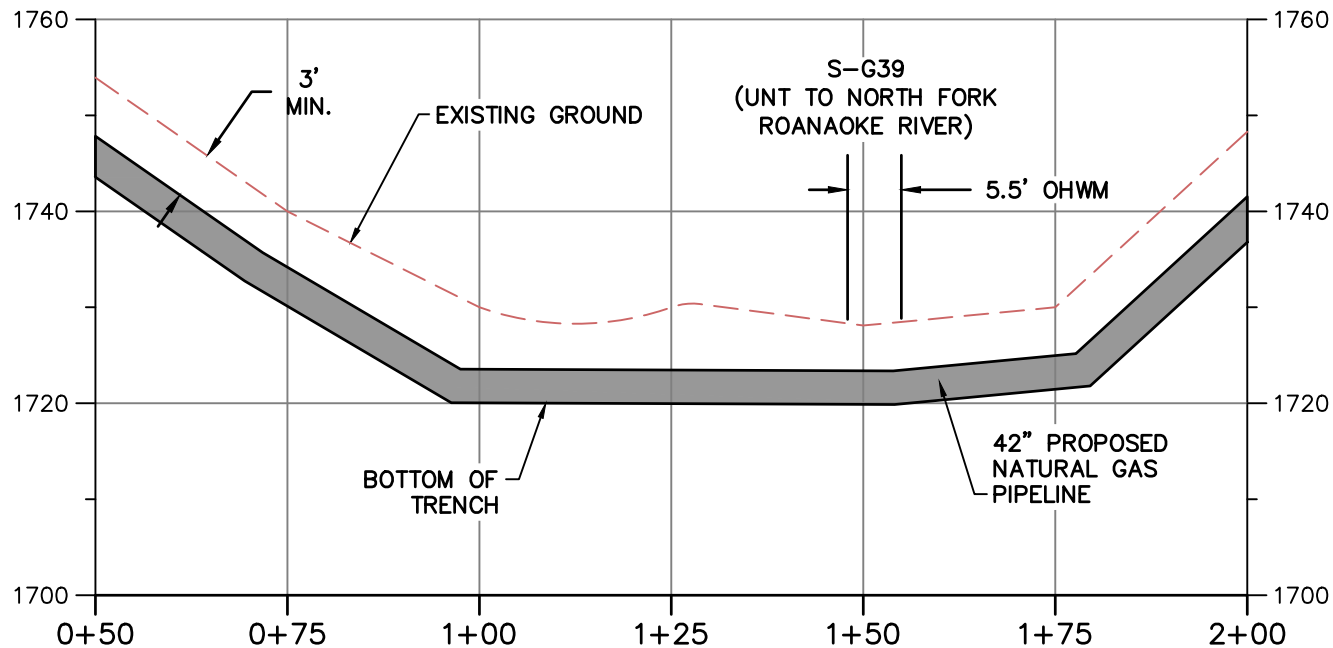
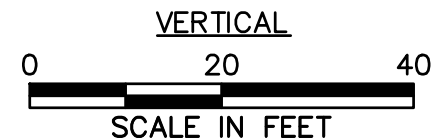
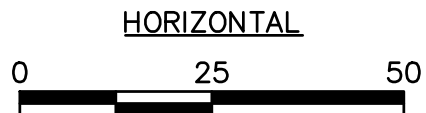






PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-G39 (UNT TO NORTH FORK ROANOKE RIVER)

LAT./LONG. = 37.264817, -80.308486

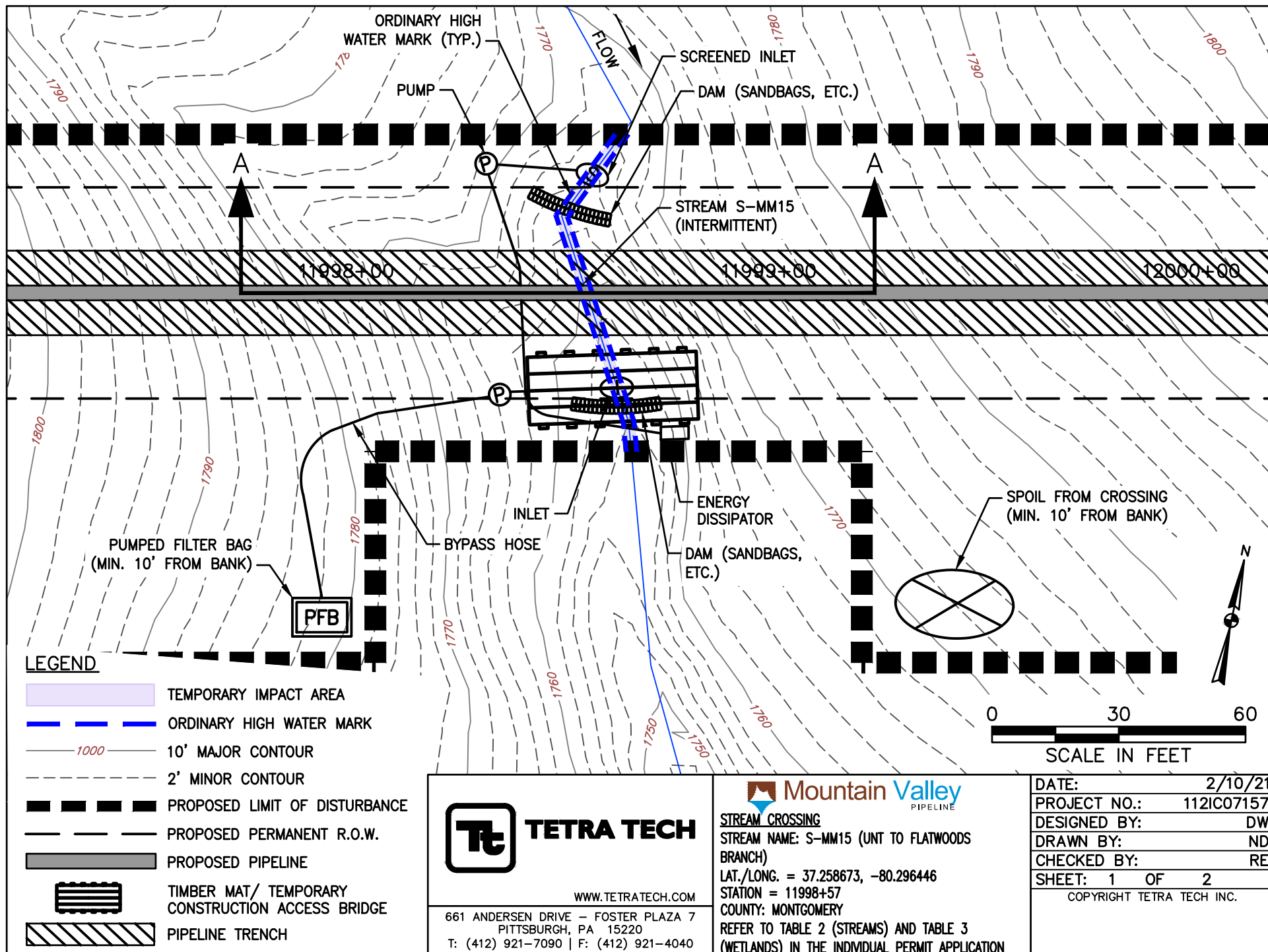
STATION = 11591+62 - 1+52

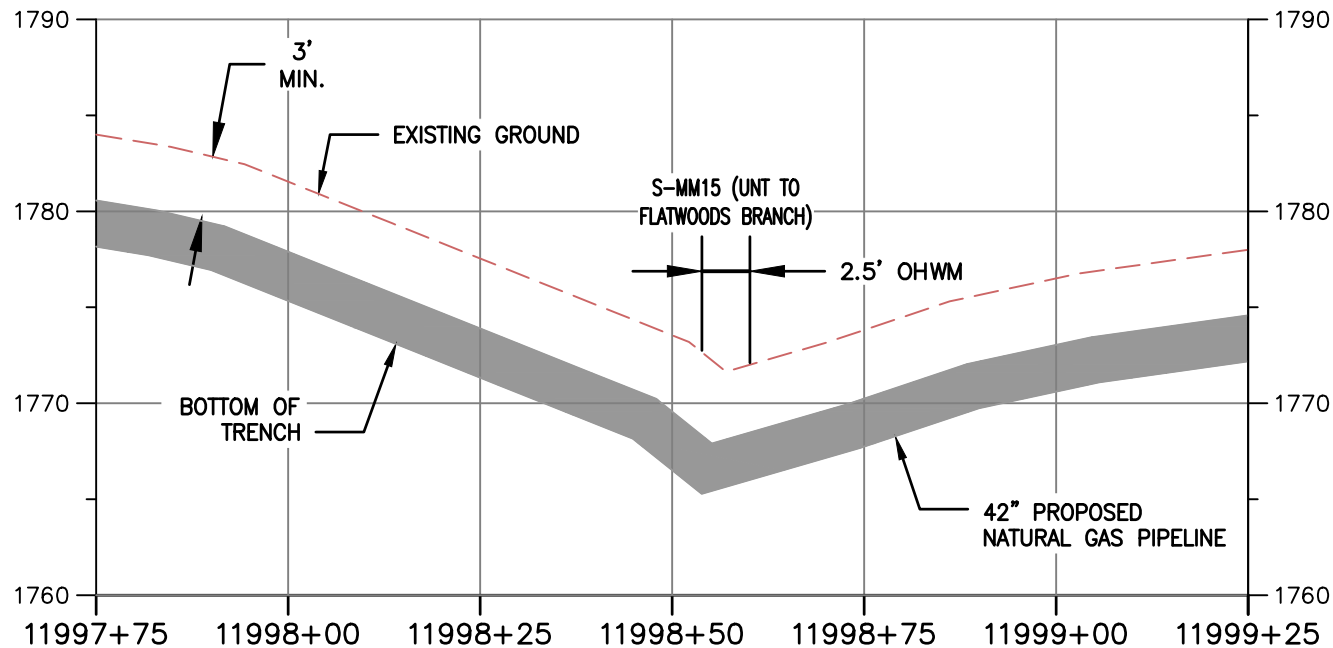
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

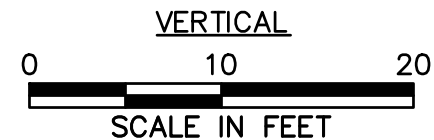
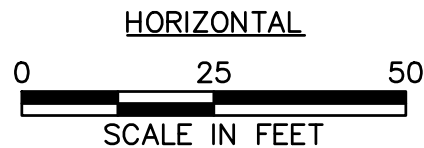
DATE:	2/10/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	ZM
CHECKED BY:	RE
SHEET: 2 OF 2	

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-MM15 (UNT TO FLATWOODS BRANCH)

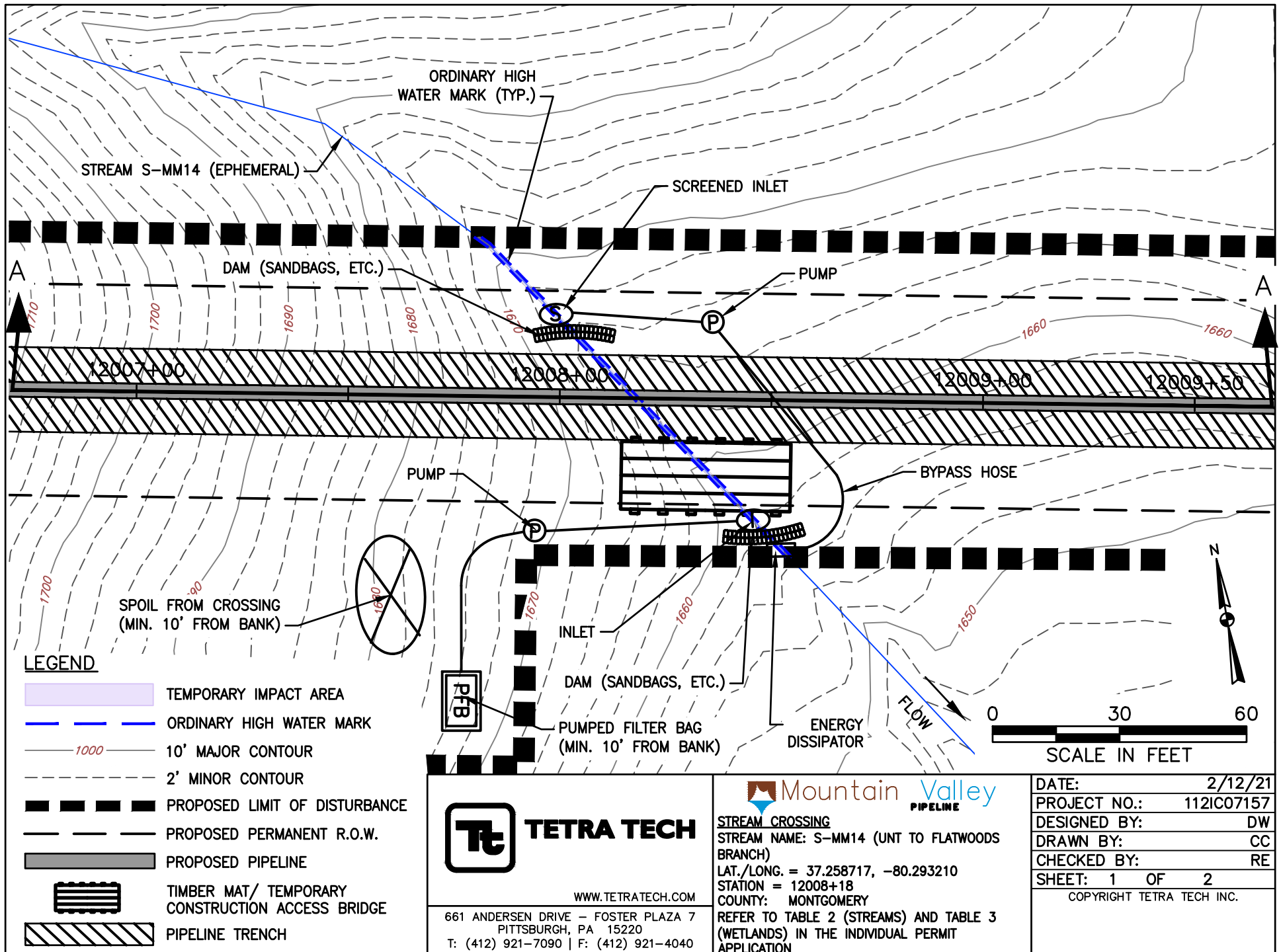
LAT./LONG. = 37.258673, -80.296446

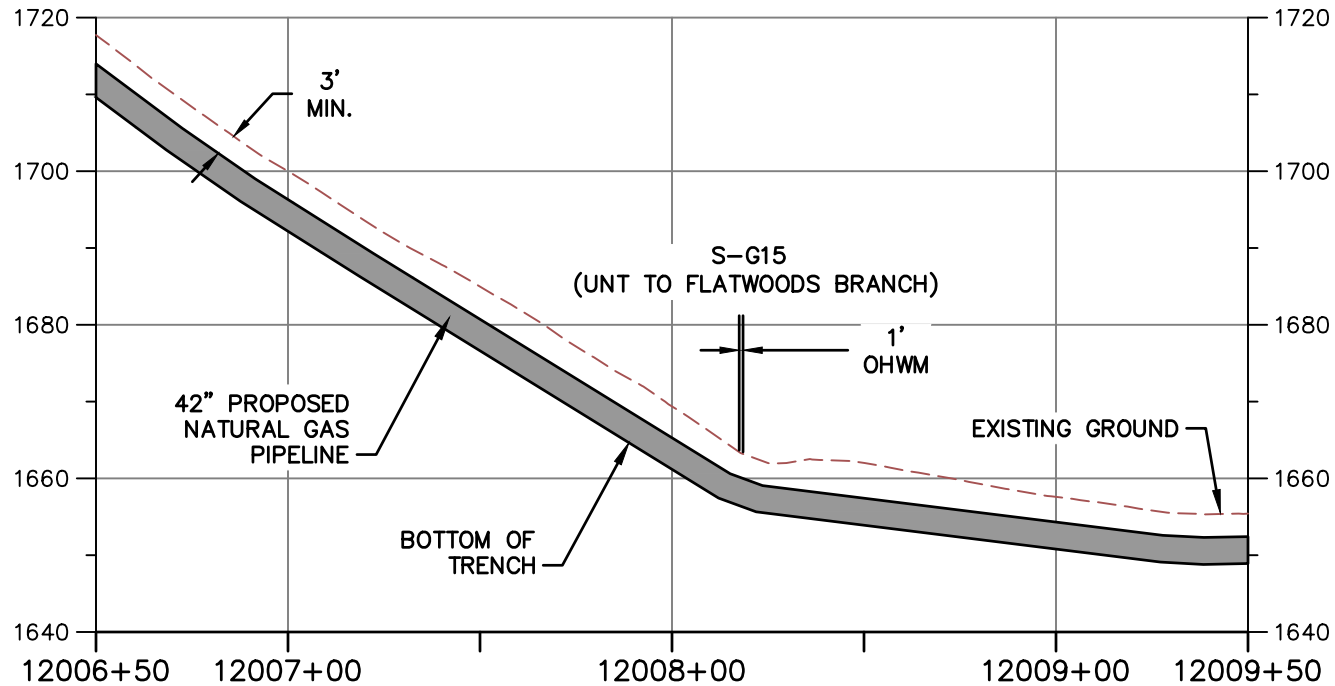
STATION = 11998+57

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/10/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	ND
CHECKED BY:	RE
SHEET: 2 OF 2	
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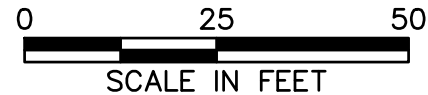




PROFILE A-A

HORIZONTAL

VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-MM14 (UNT TO FLATWOODS BRANCH)

LAT./LONG. = 37.258717, -80.293210

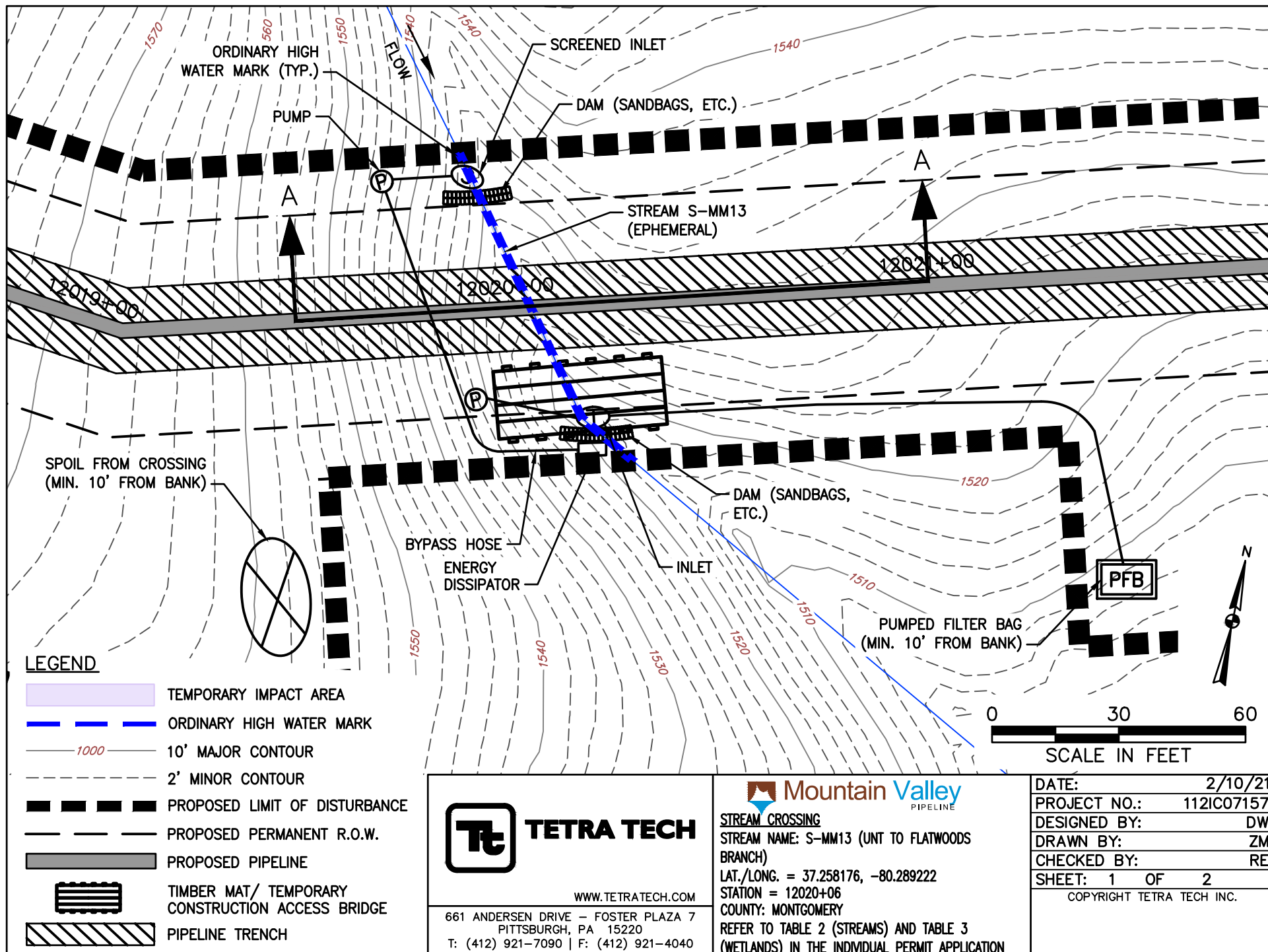
STATION = 12008+18

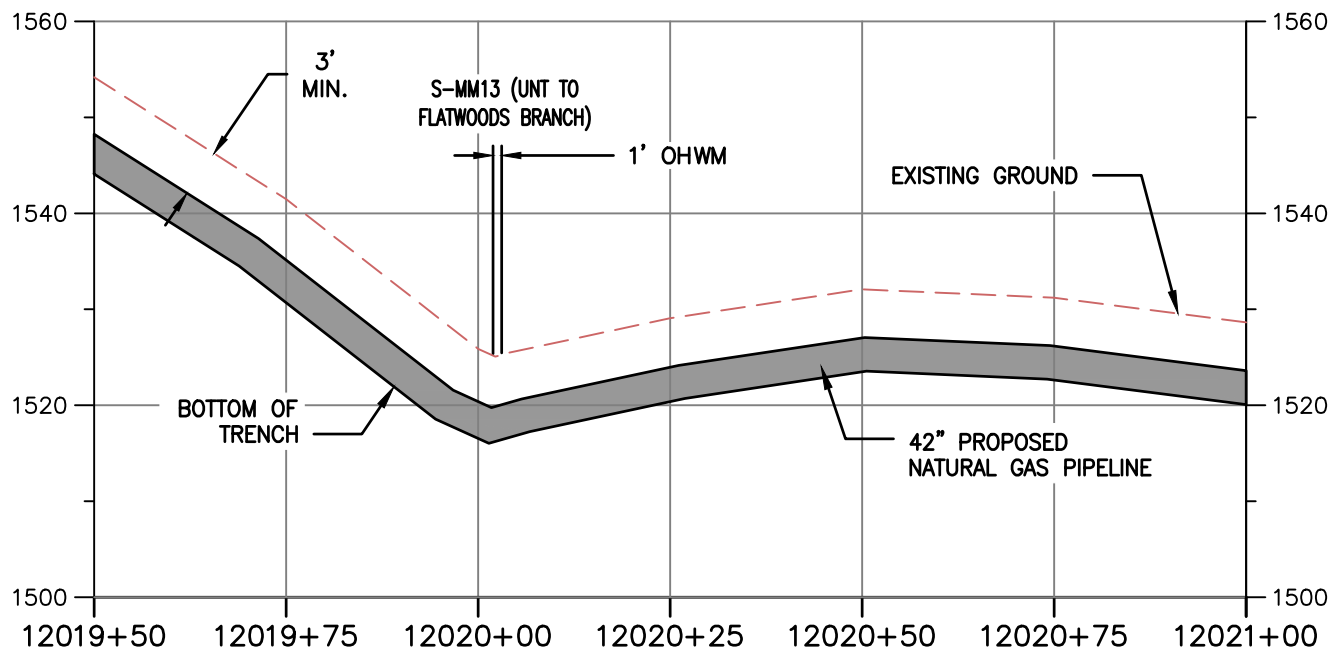
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

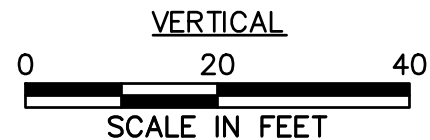
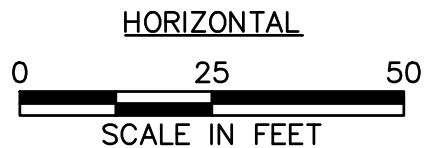
DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	CC
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SHEET: 2 OF 2	

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-MM13 (UNT TO FLATWOODS BRANCH)

LAT./LONG. = 37.258176, -80.289222

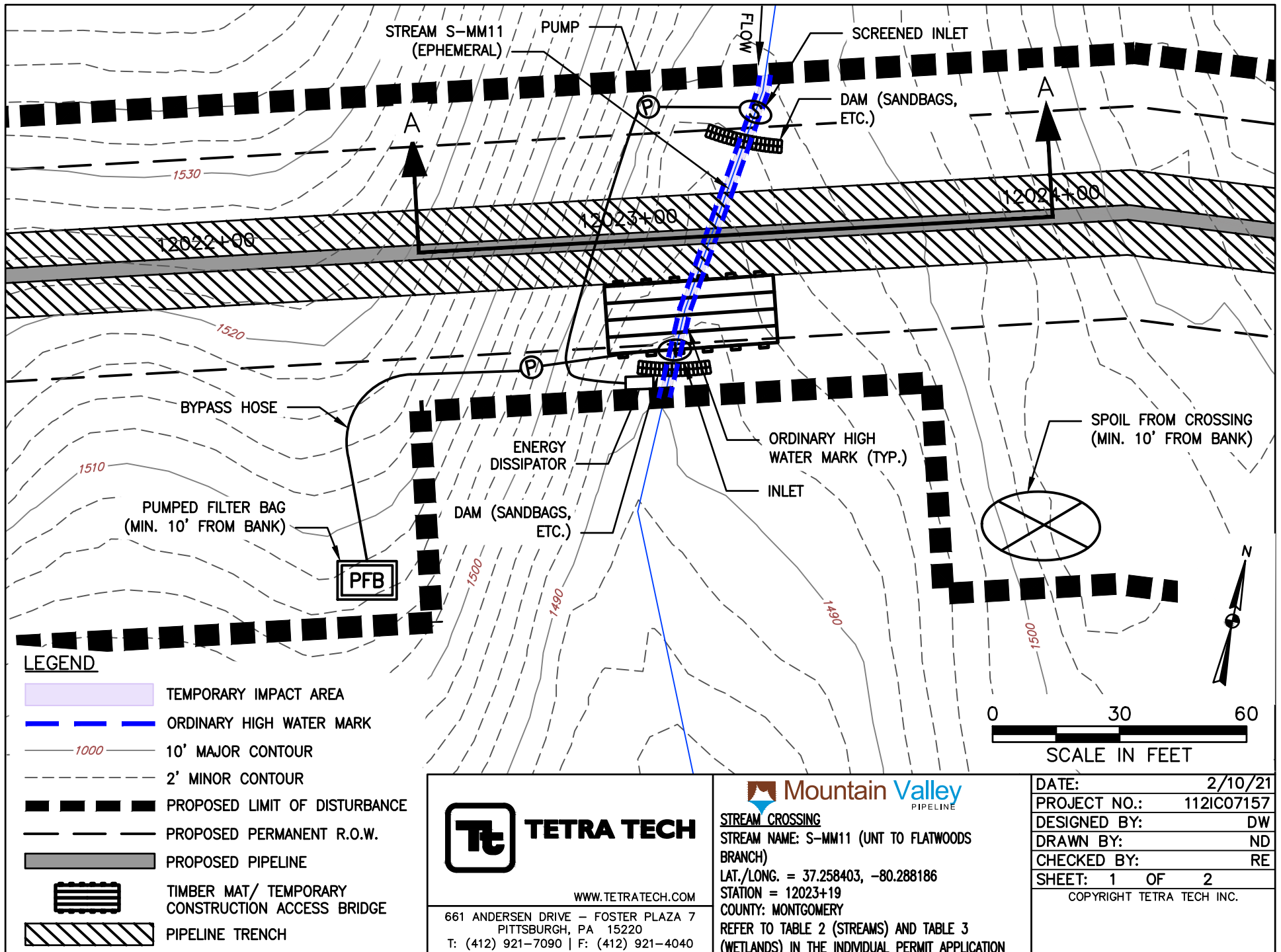
STATION = 12020+06

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/10/21
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SHEET:	2 OF 2

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STREAM CROSSING

STREAM NAME: S-MM11 (UNT TO FLATWOODS BRANCH)

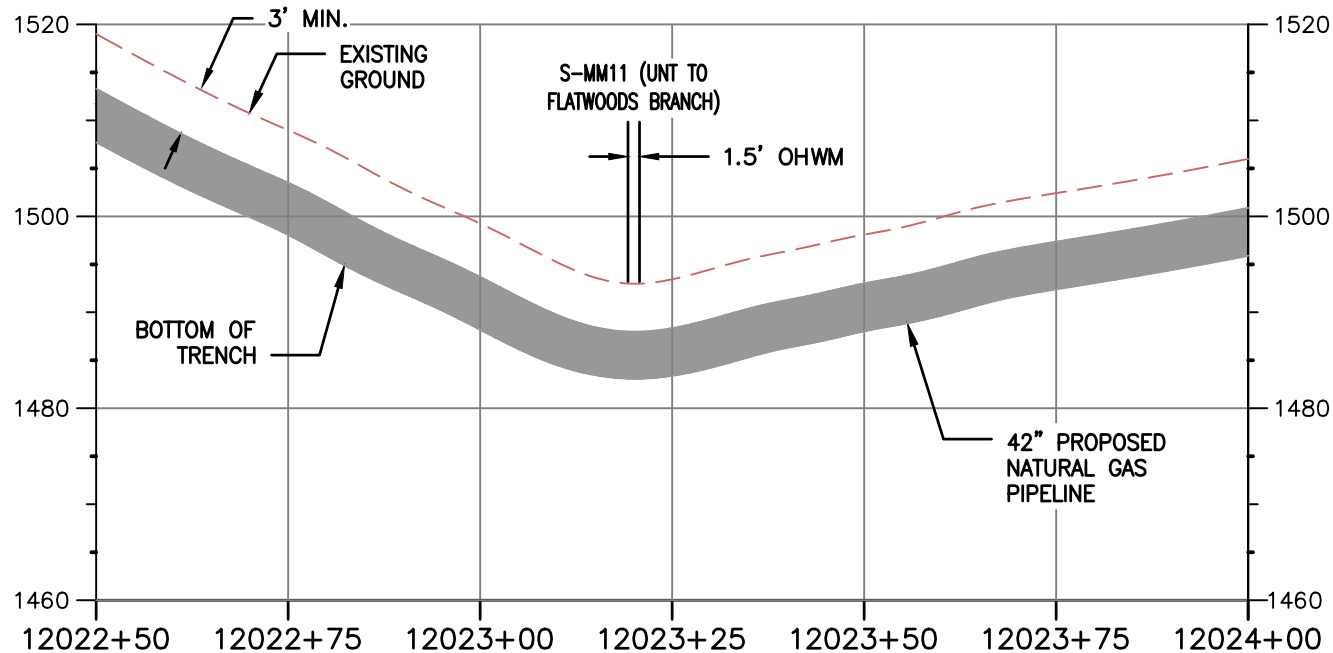
LAT./LONG. = 37.258403, -80.288186

STATION = 12023+19

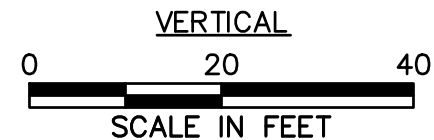
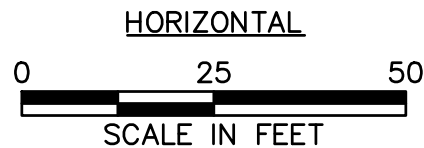
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.: 112IC07157
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DRAWN BY: ND
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-MM11 (UNT TO FLATWOODS BRANCH)

LAT./LONG. = 37.258403, -80.288186

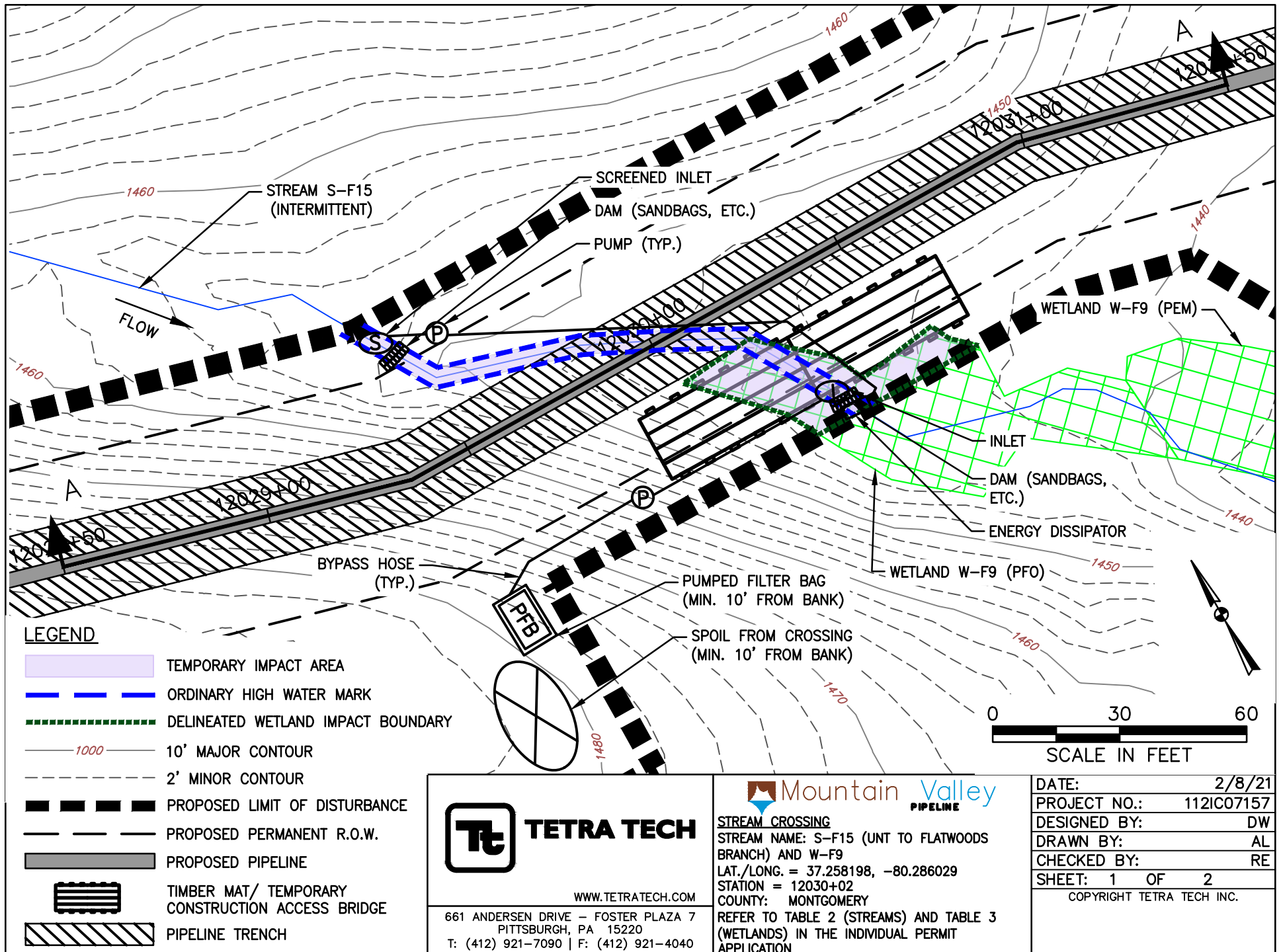
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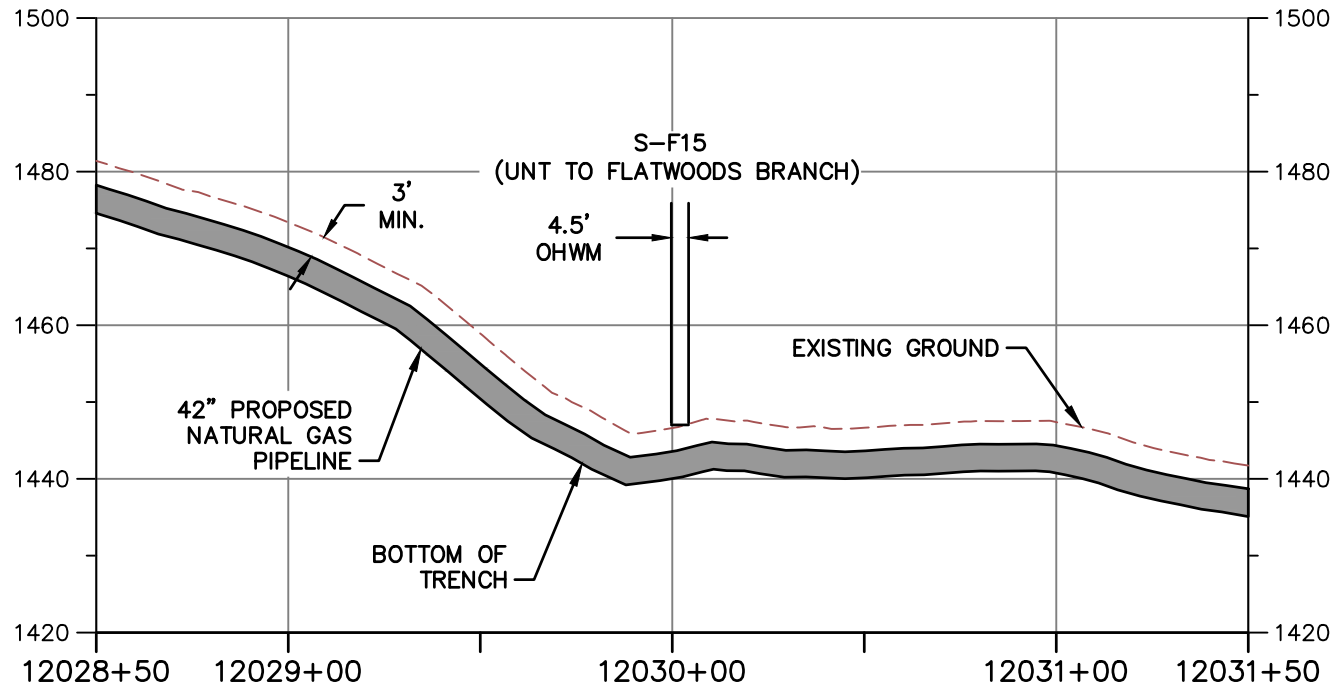
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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CHECKED BY:	RE
SHEET:	2 OF 2

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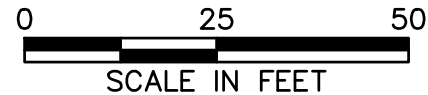




PROFILE A-A

HORIZONTAL

VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-F15 (UNT TO FLATWOODS BRANCH) AND W-F9

LAT./LONG. = 37.258198, -80.286029

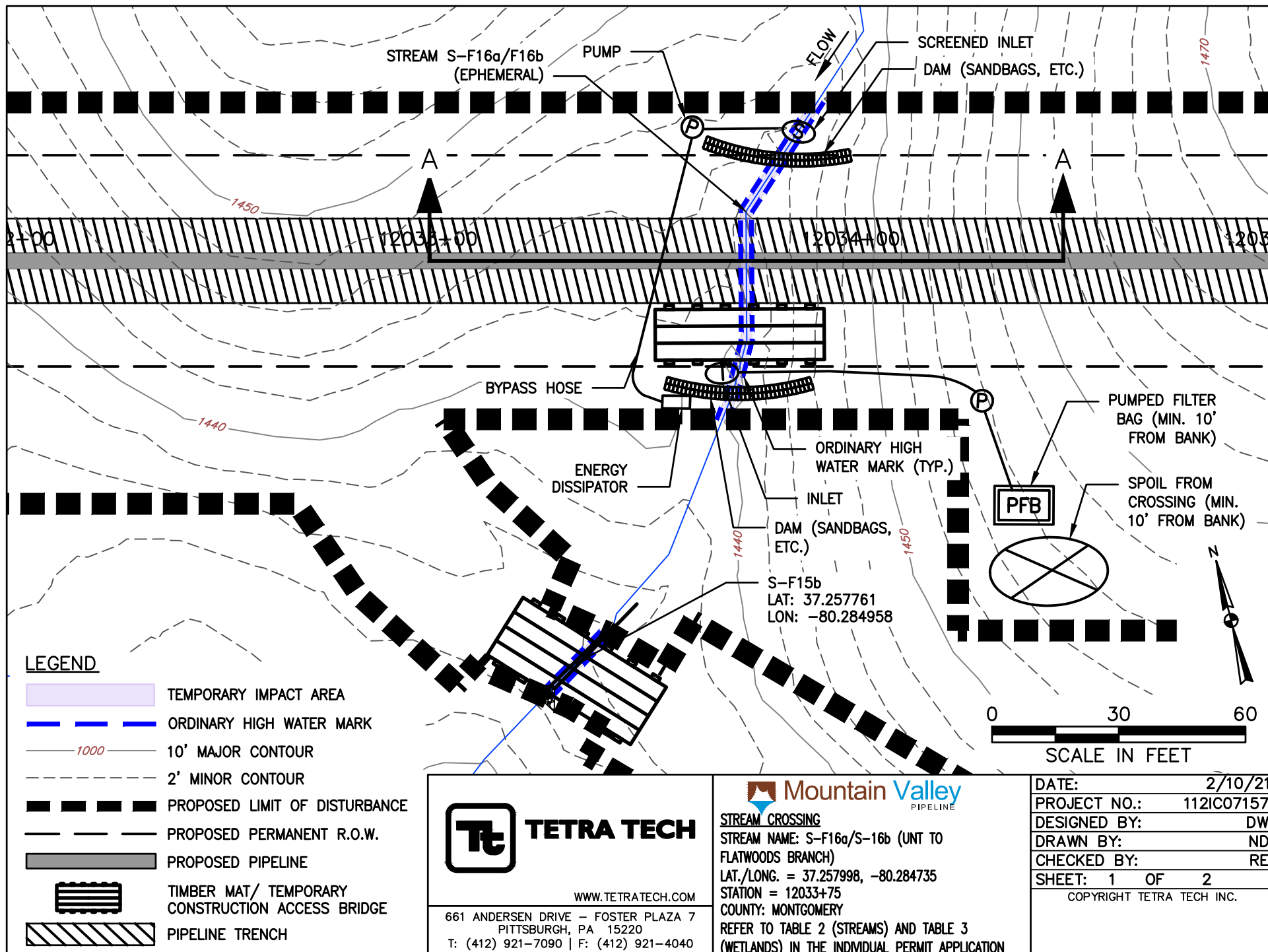
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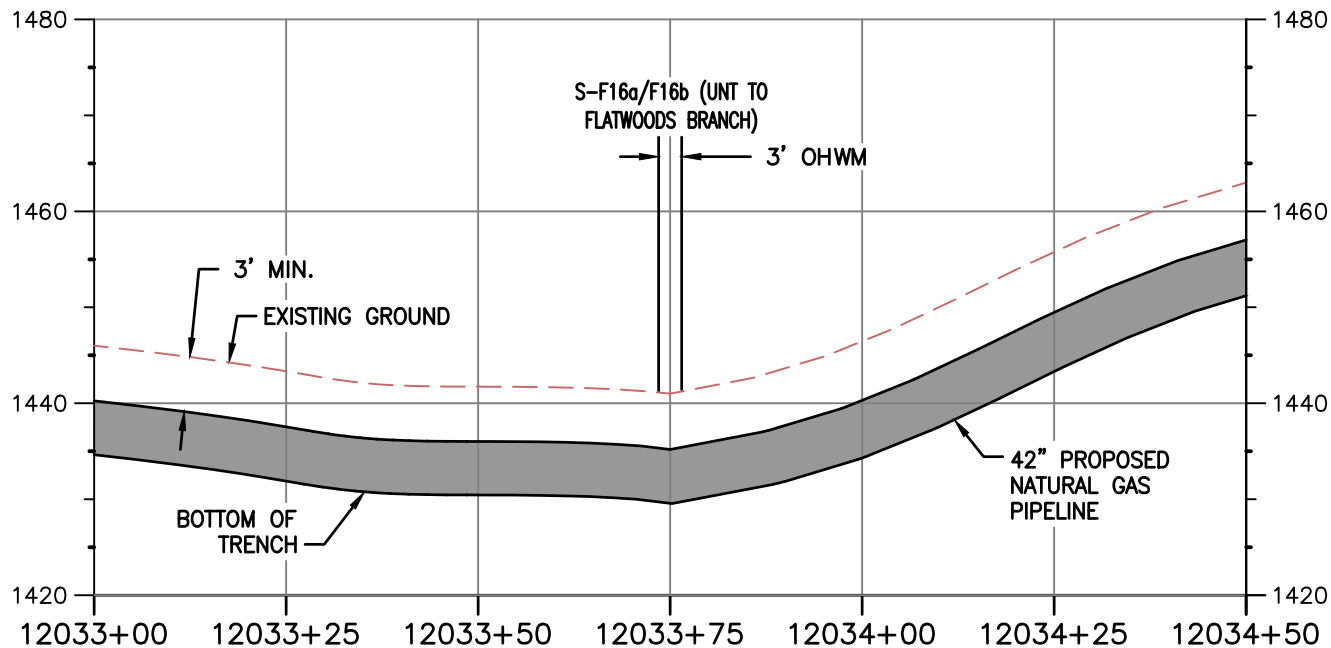
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

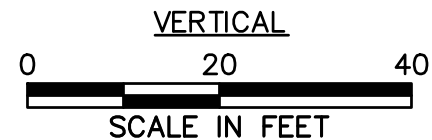
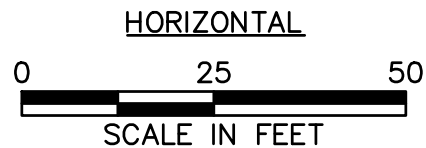
DATE:	2/8/21
PROJECT NO.:	112IC07157
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DRAWN BY:	AL
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SHEET: 2 OF 2	

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-F16a/S-16b (UNT TO FLATWOODS BRANCH)

LAT./LONG. = 37.257998, -80.284735

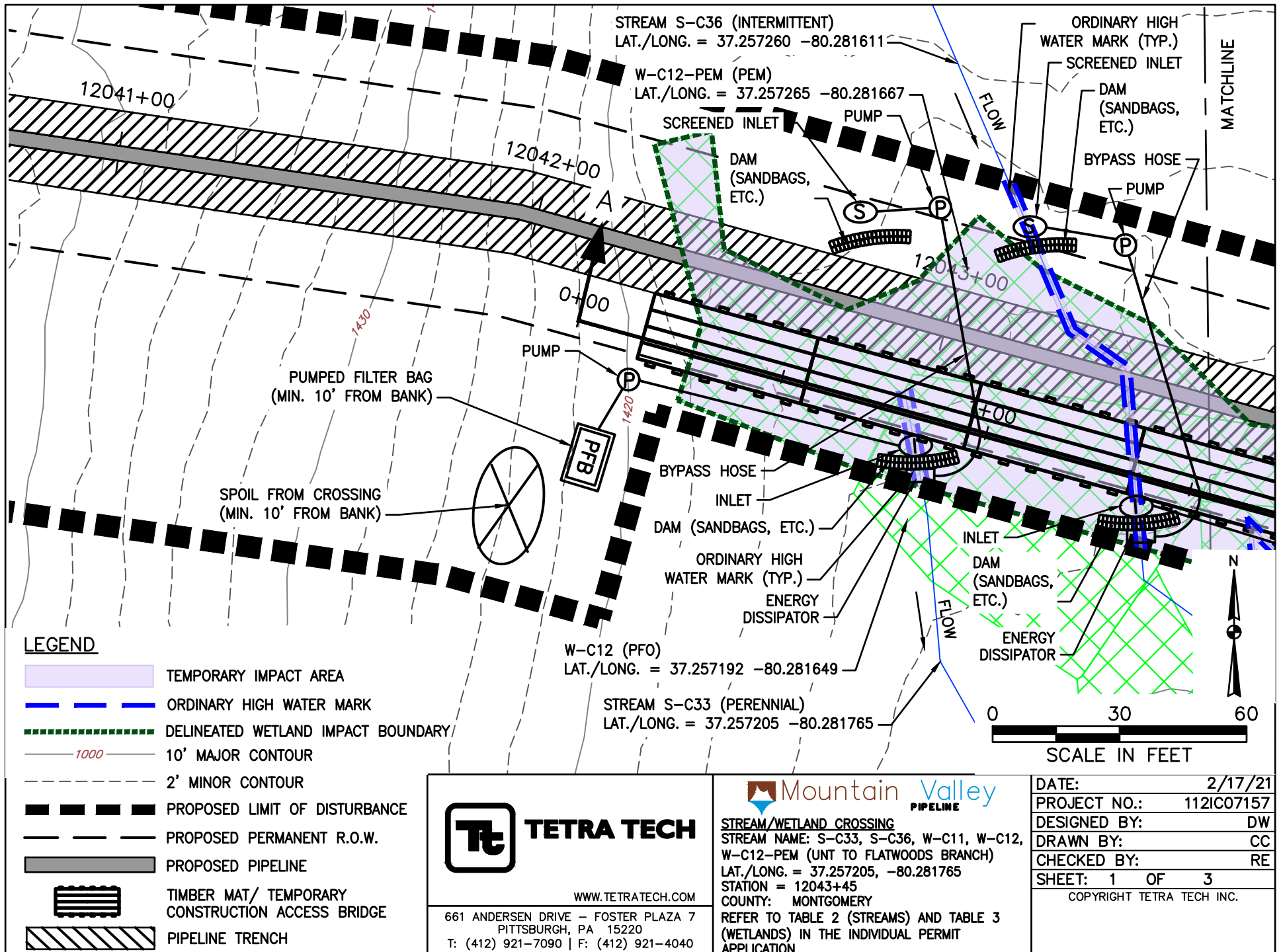
STATION = 12033+75

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/10/21
PROJECT NO.:	112IC07157
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DRAWN BY:	ND
CHECKED BY:	RE
SHEET:	2 OF 2

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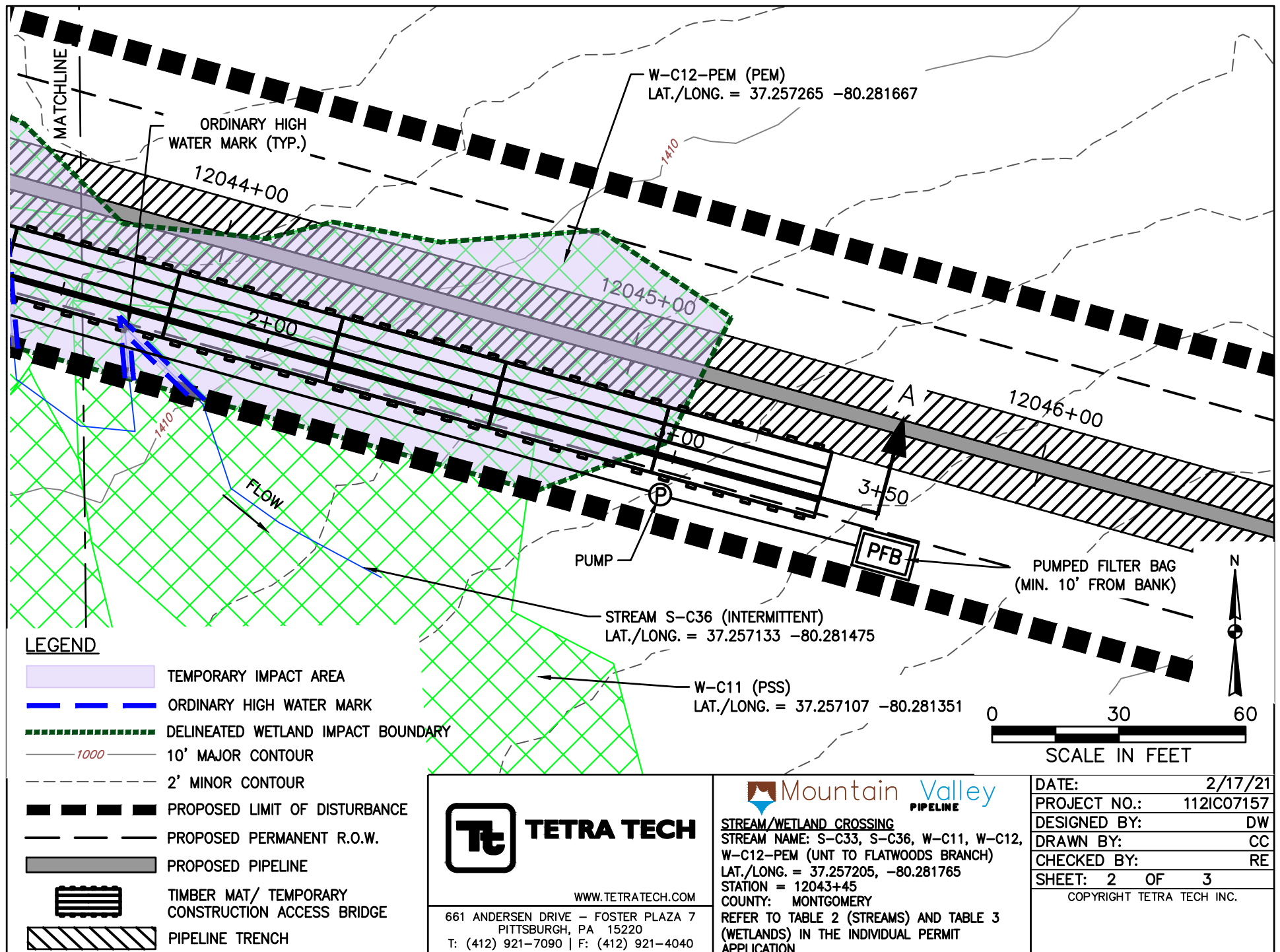
661 ANDERSEN DRIVE - FOSTER PLAZA 7
PITTSBURGH, PA 15220
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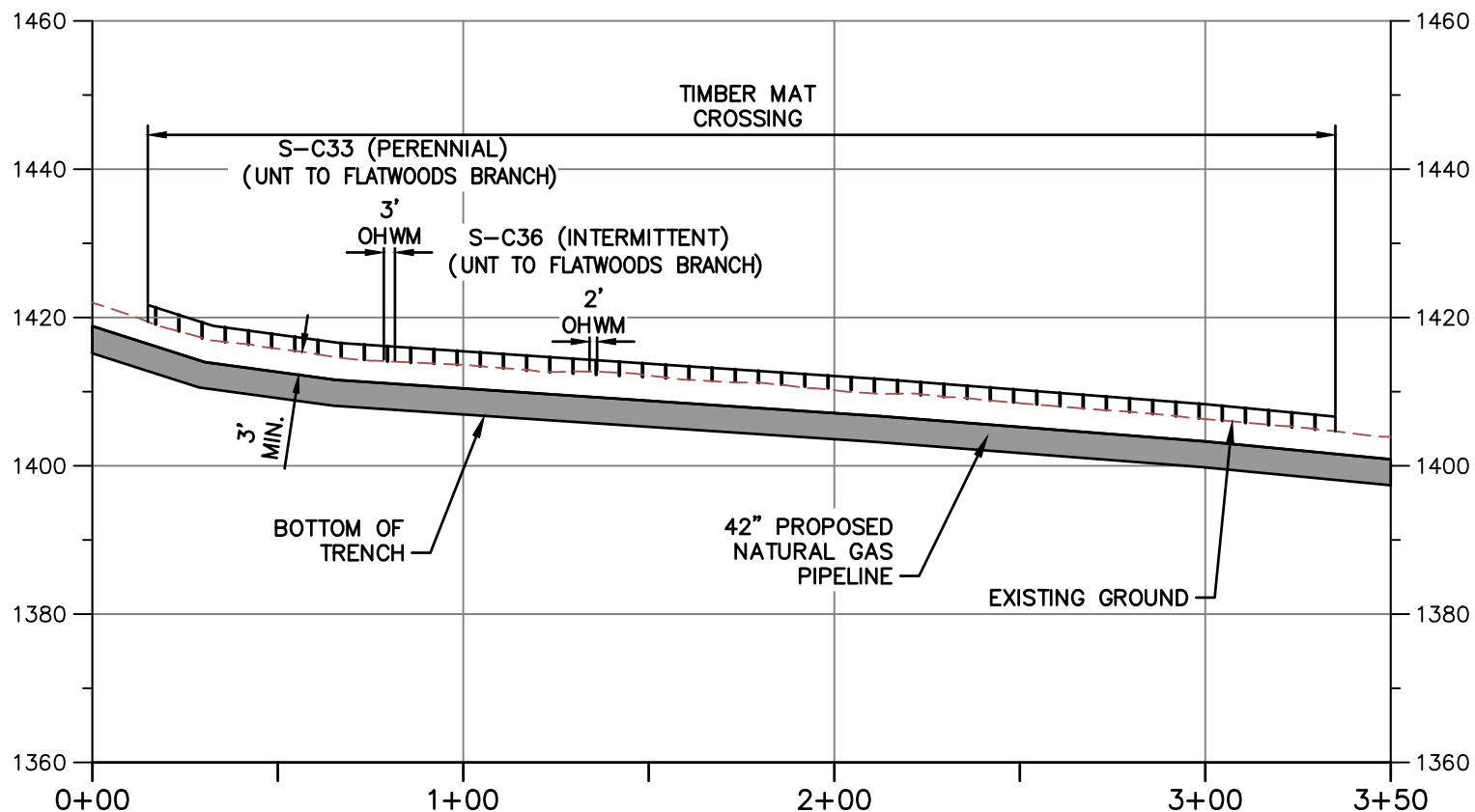


STREAM/WETLAND CROSSING

STREAM NAME: S-C33, S-C36, W-C11, W-C12, W-C12-PEM (UNT TO FLATWOODS BRANCH)
LAT./LONG. = 37.257205, -80.281765
STATION = 12043+45
COUNTY: MONTGOMERY
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/17/21
PROJECT NO.: 112IC07157
DESIGNED BY: DW
DRAWN BY: CC
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SHEET: 1 OF 3
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PROFILE A-A

HORIZONTAL

VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAM/WETLAND BED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY.



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STREAM/WETLAND CROSSING

STREAM NAME: S-C33, S-C36, W-C11, W-C12,
W-C12-PEM (UNT TO FLATWOODS BRANCH)

LAT./LONG. = 37.257205, -80.281765

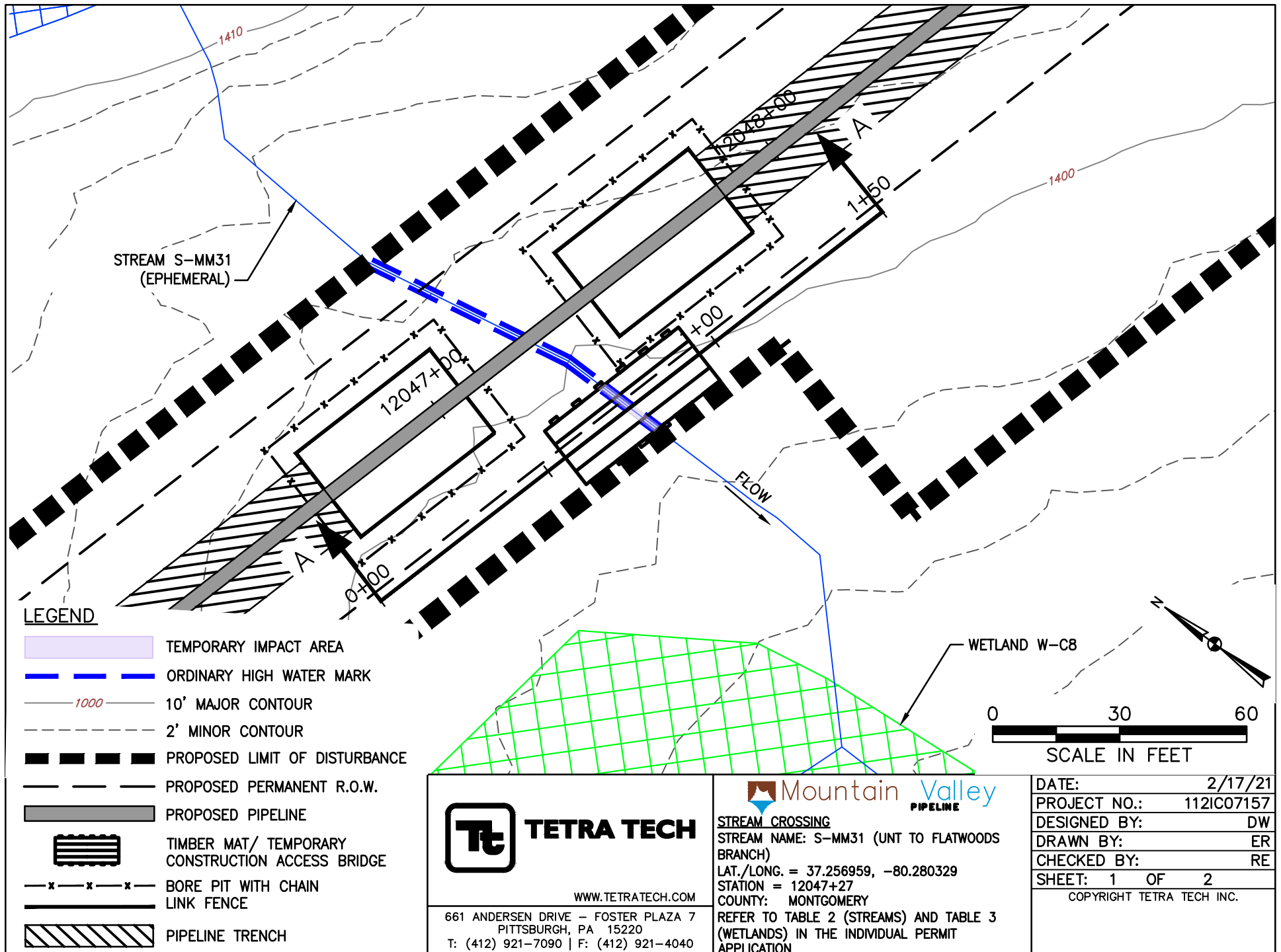
STATION = 12043+45

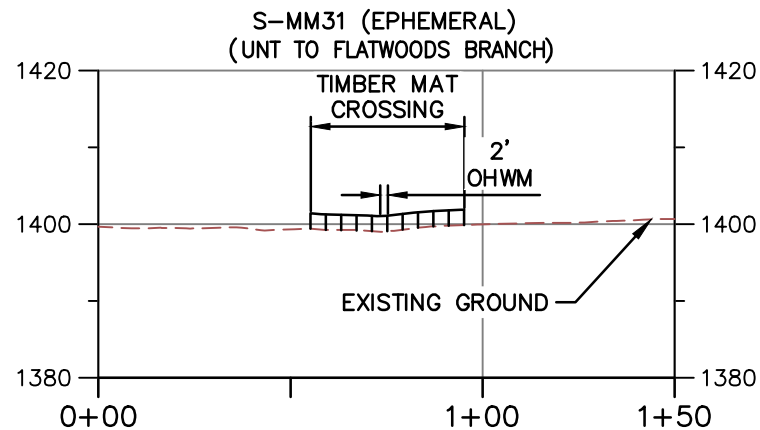
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

DATE:	2/17/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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SHEET: 3 OF 3	

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PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY.
4. PIPELINE NOT SHOWN ON PROFILE BECAUSE IT IS A BORE BELOW SURFACE WATER AND DOES NOT CREATE AN IMPACT.



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STREAM CROSSING

STREAM NAME: S-MM31 (UNT TO FLATWOODS BRANCH)

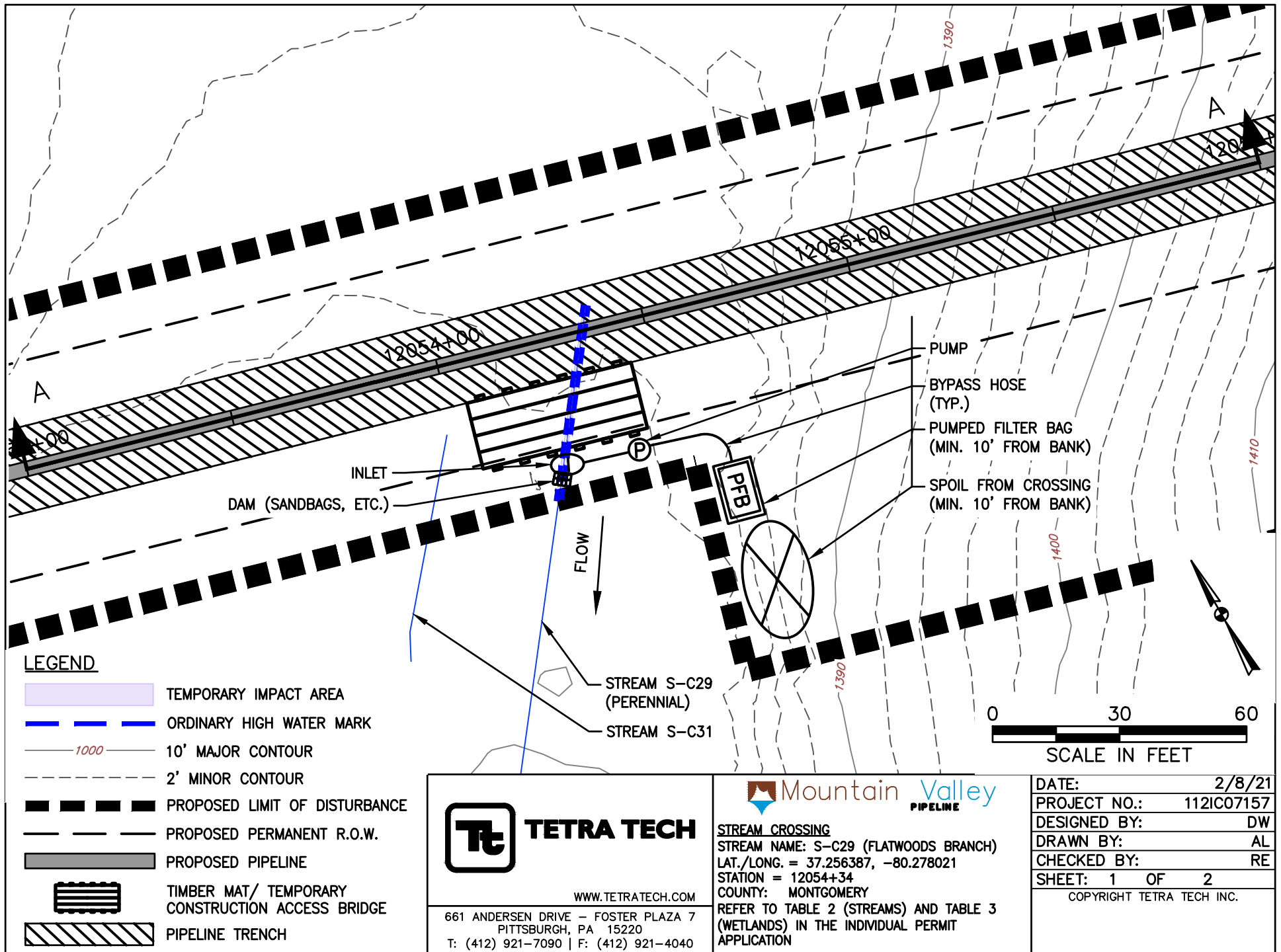
LAT./LONG. = 37.256959, -80.280329

STATION = 12047+27

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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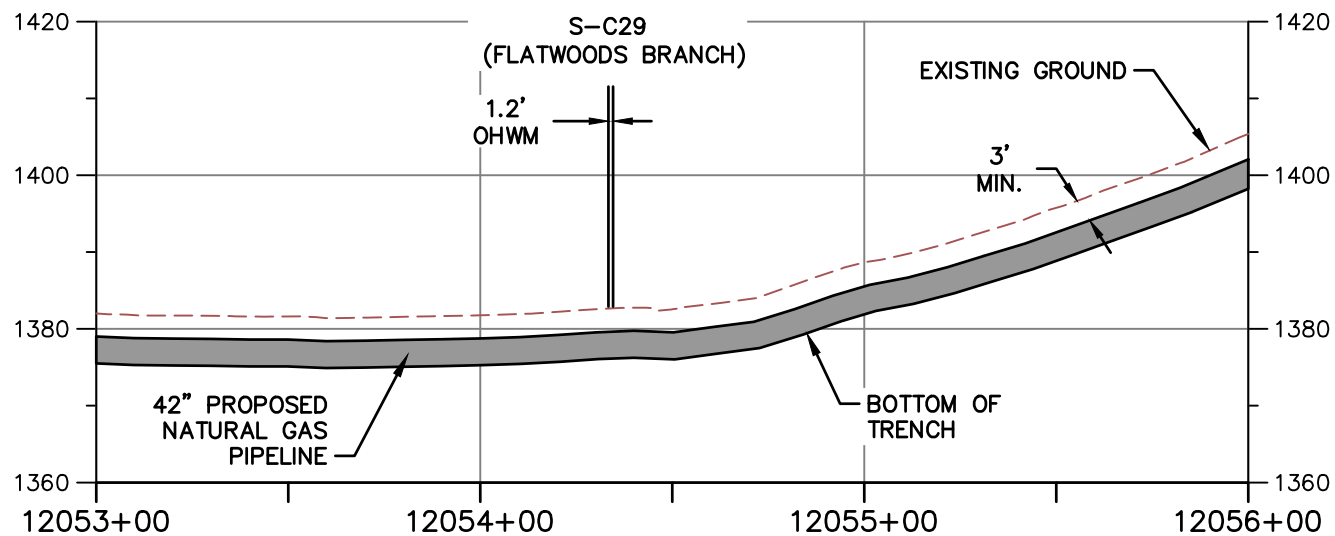
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STREAM CROSSING
 STREAM NAME: S-C29 (FLATWOODS BRANCH)
 LAT./LONG. = 37.256387, -80.278021
 STATION = 12054+34
 COUNTY: MONTGOMERY
 REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

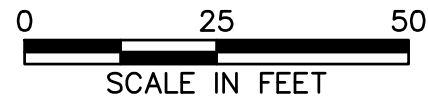
DATE: 2/8/21
 PROJECT NO.: 112IC07157
 DESIGNED BY: DW
 DRAWN BY: AL
 CHECKED BY: RE
 SHEET: 1 OF 2
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PROFILE A-A

HORIZONTAL

VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-C29 (FLATWOODS BRANCH)

LAT./LONG. = 37.256387, -80.278021

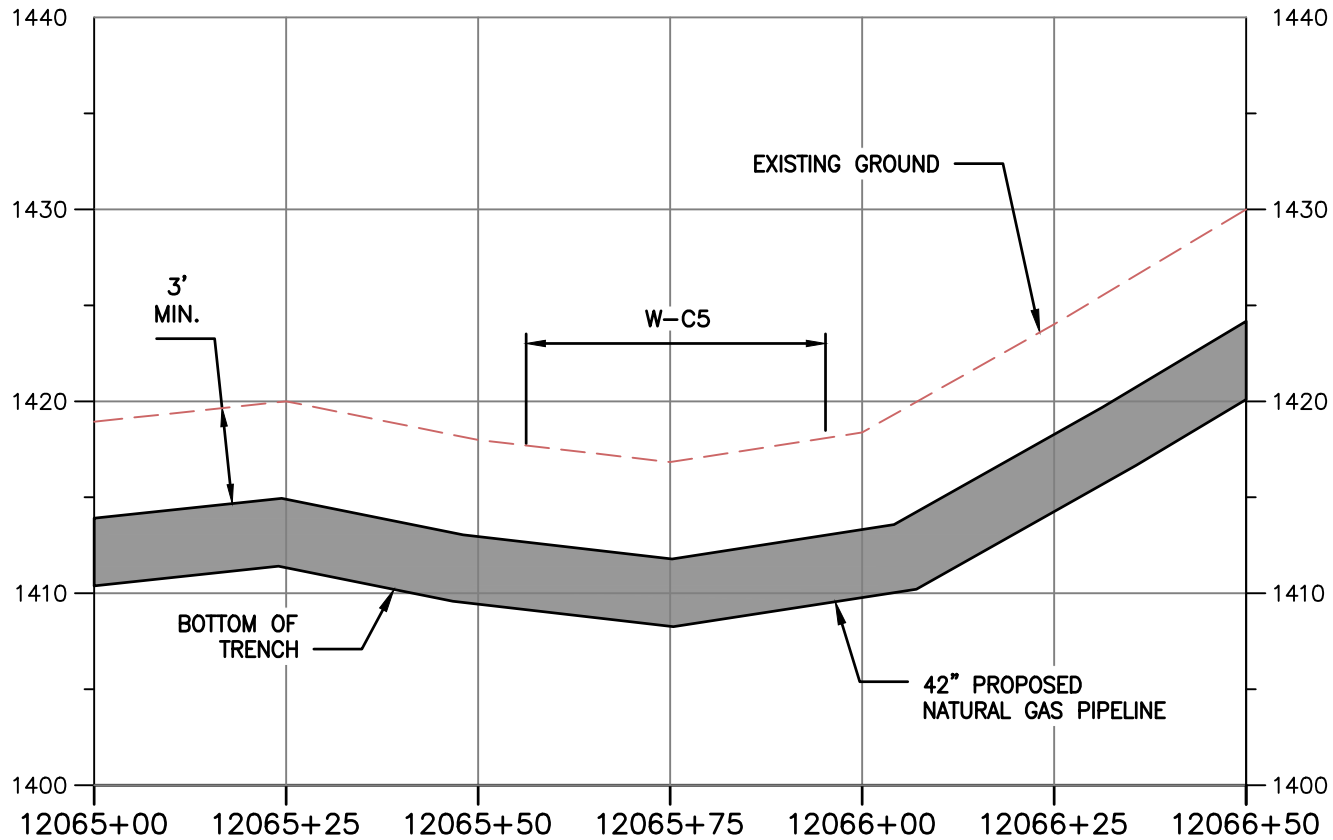
STATION = 12054+34

COUNTY: MONTGOMERY

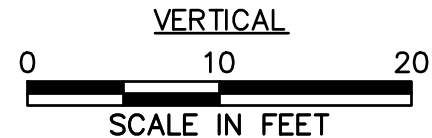
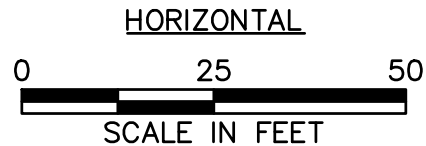
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/8/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	AL
CHECKED BY:	RE
SHEET: 2 OF 2	

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

WETLAND NAME: W-C5

LAT./LONG. = 37.255572, -80.274167

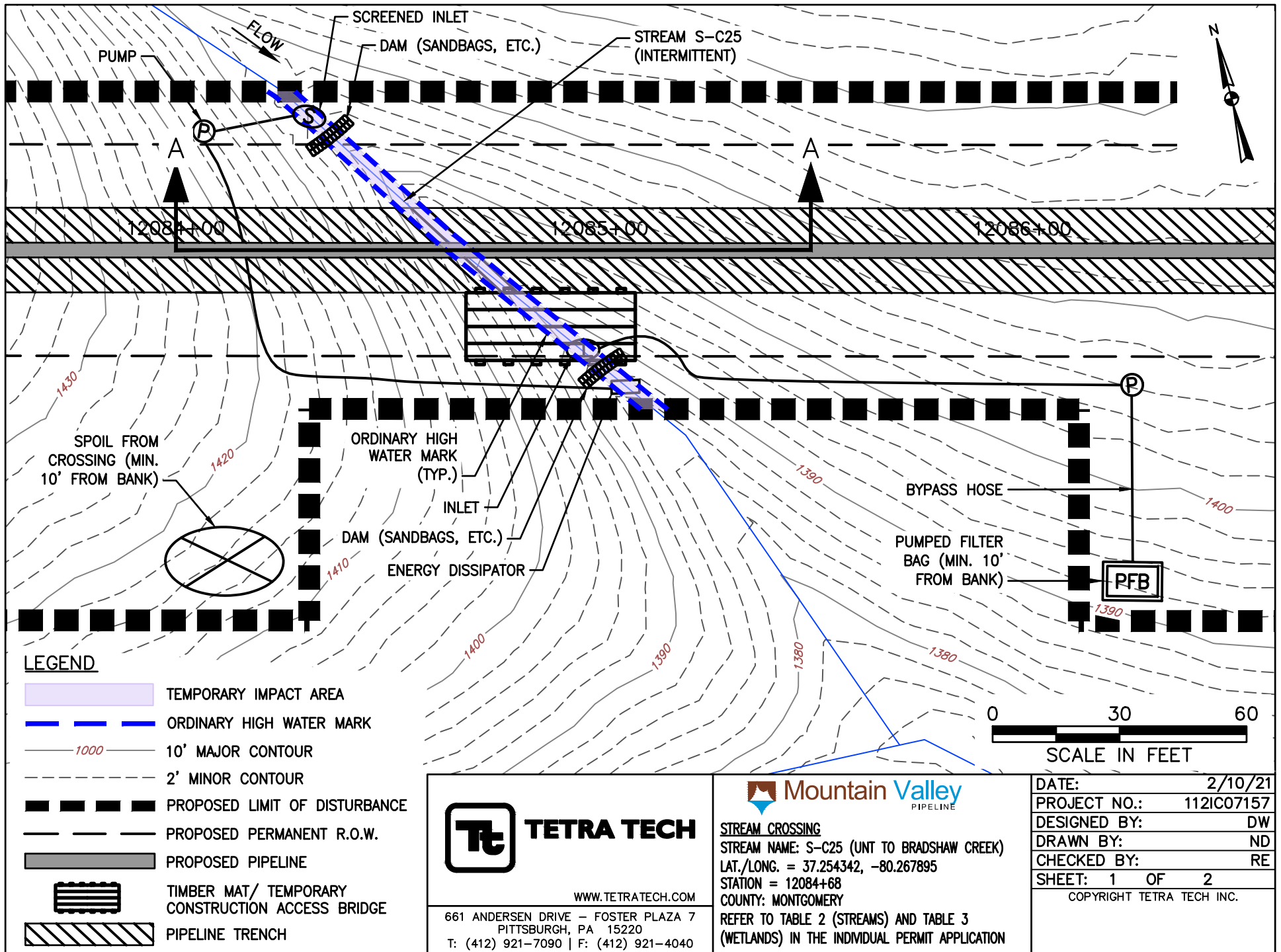
STATION = 12065+74

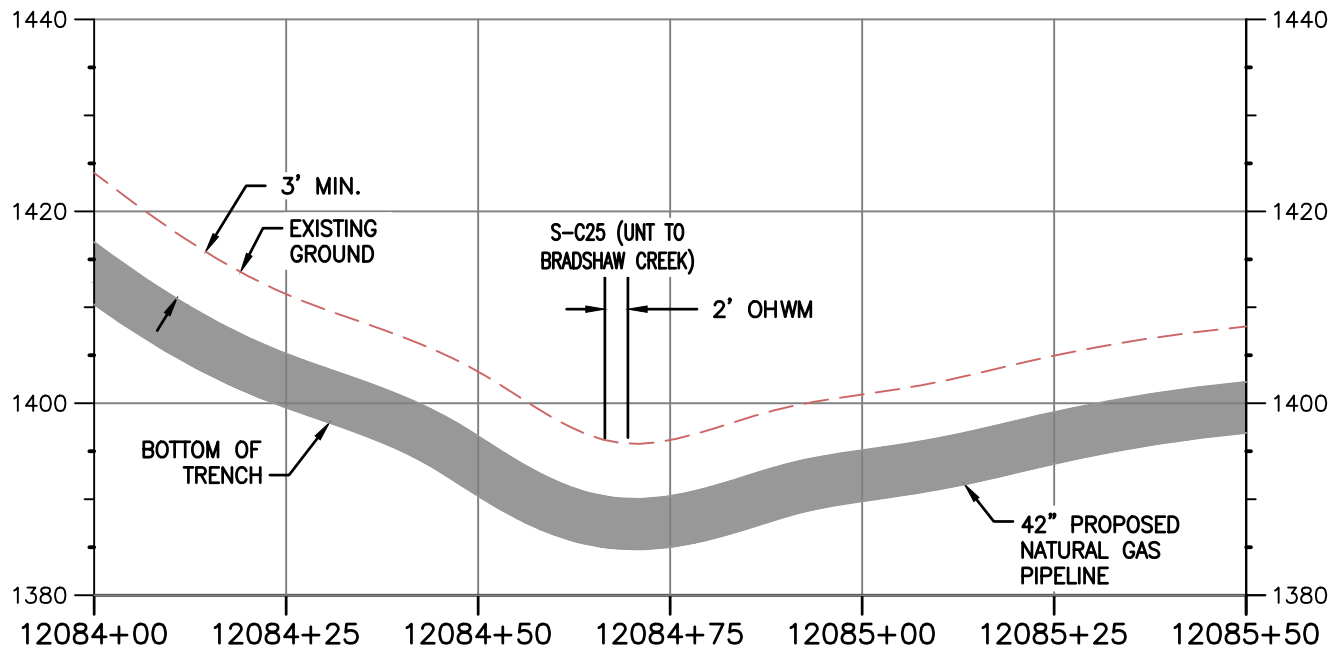
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

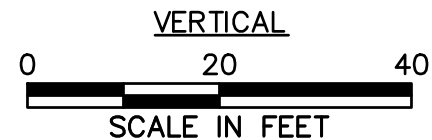
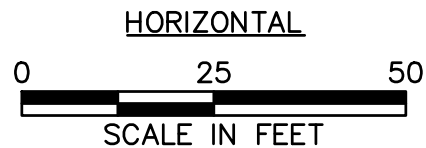
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DESIGNED BY: DW
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-C25 (UNT TO BRADSHAW CREEK)

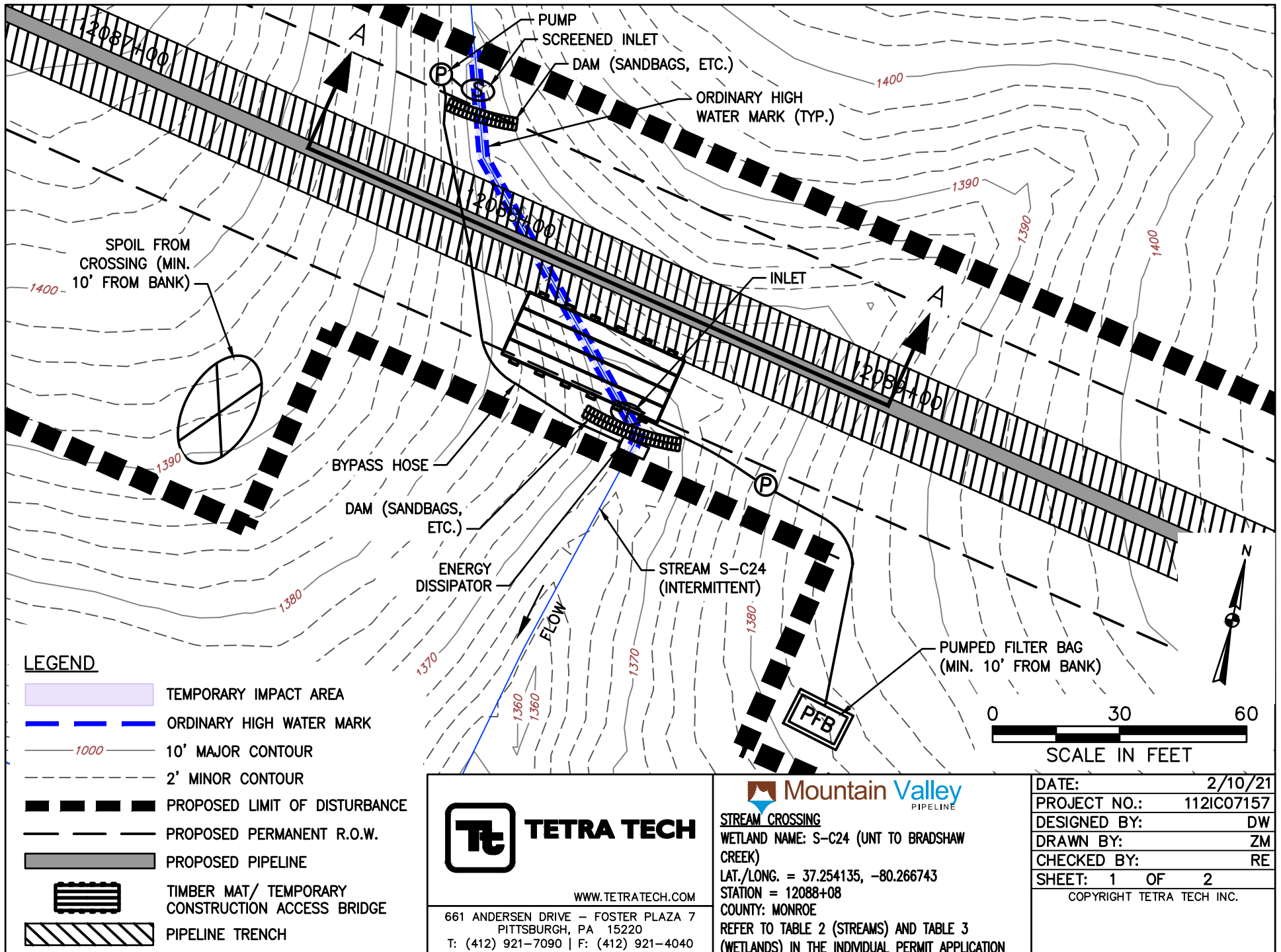
LAT./LONG. = 37.254342, -80.267895

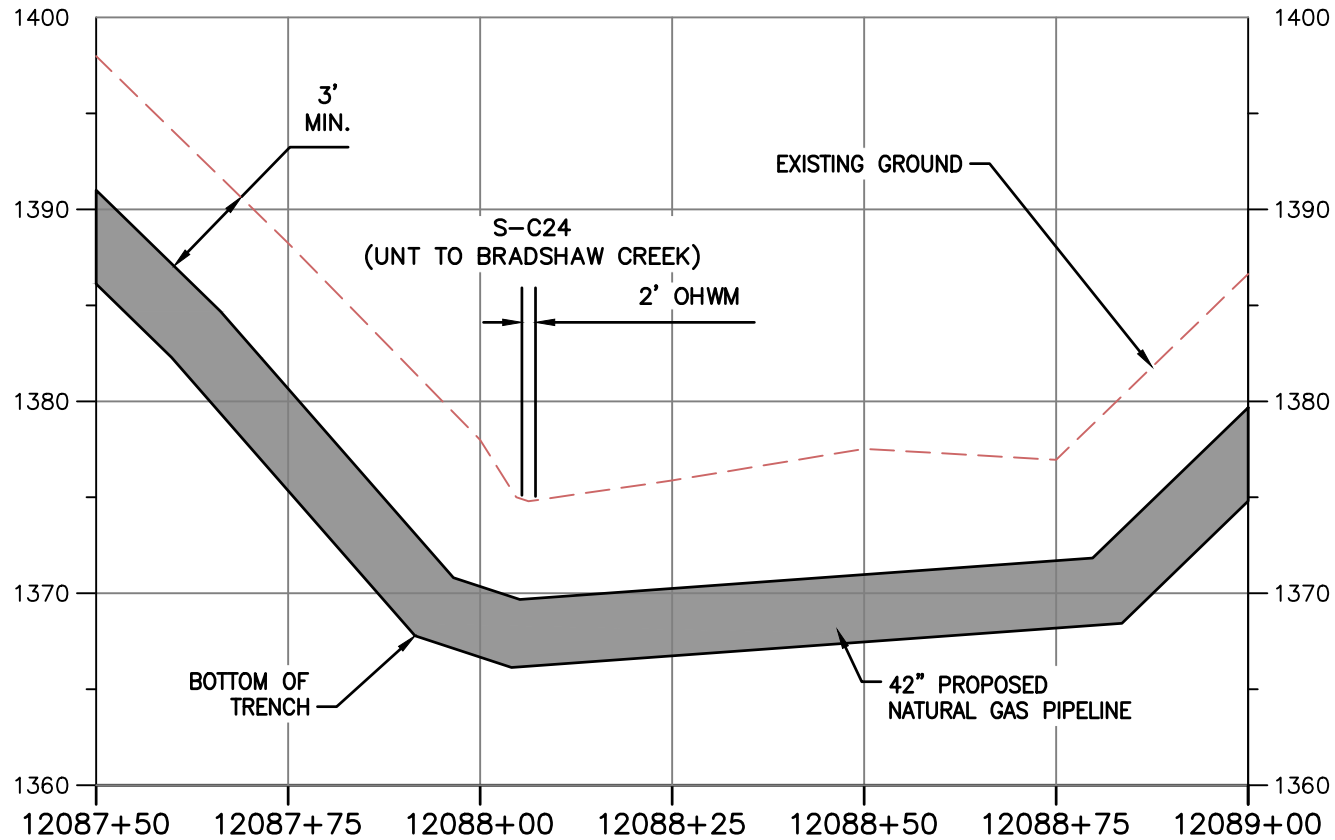
STATION = 12084+68

COUNTY: MONTGOMERY

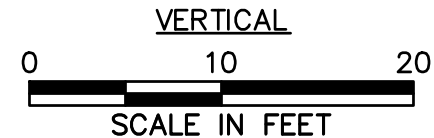
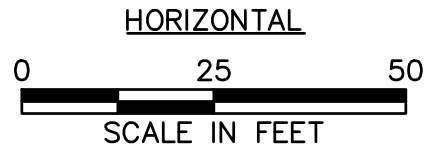
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.:	112IC07157
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DRAWN BY:	ND
CHECKED BY:	RE
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

WETLAND NAME: S-C24 (UNT TO BRADSHAW CREEK)

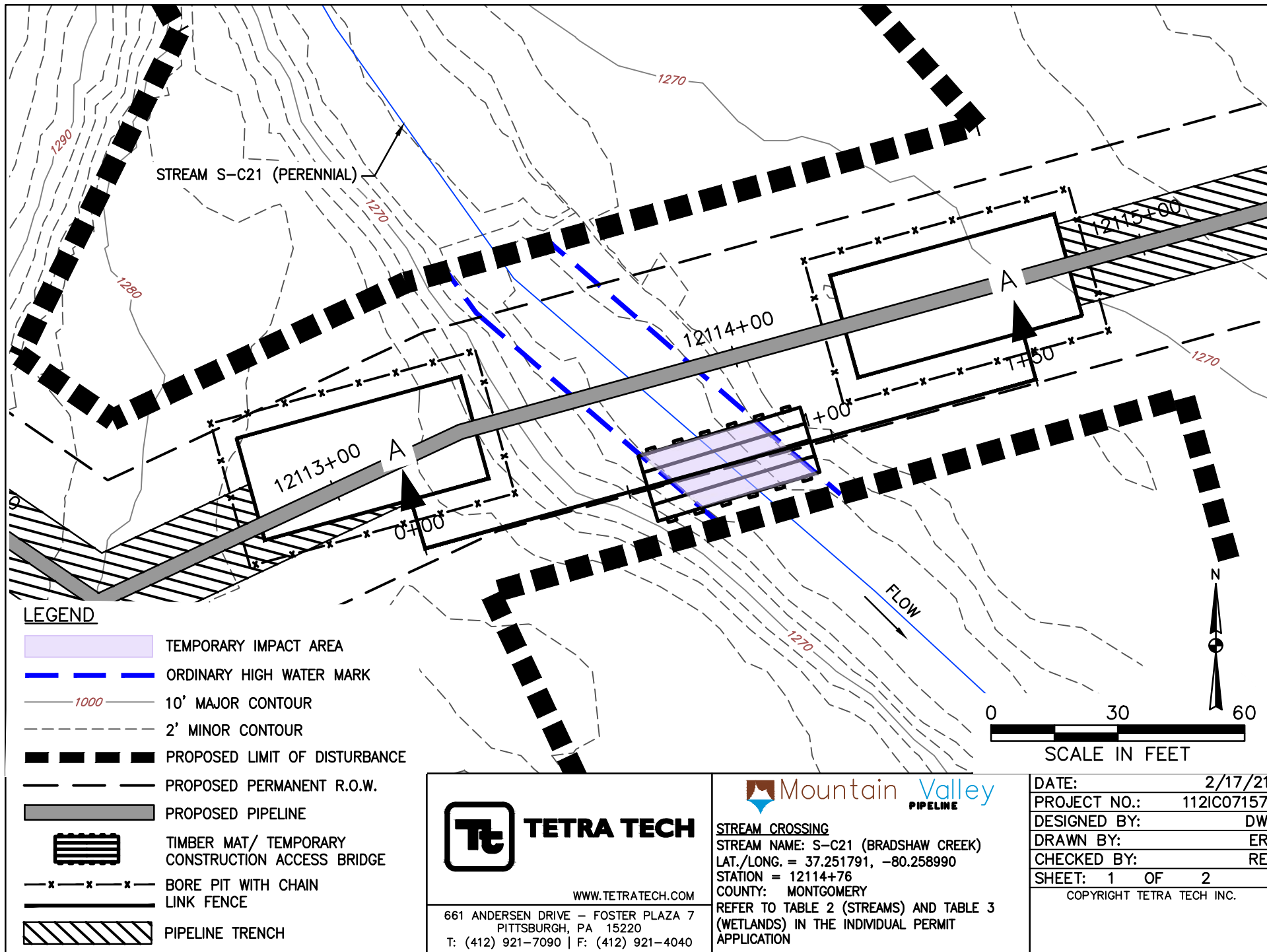
LAT./LONG. = 37.254135, -80.266743

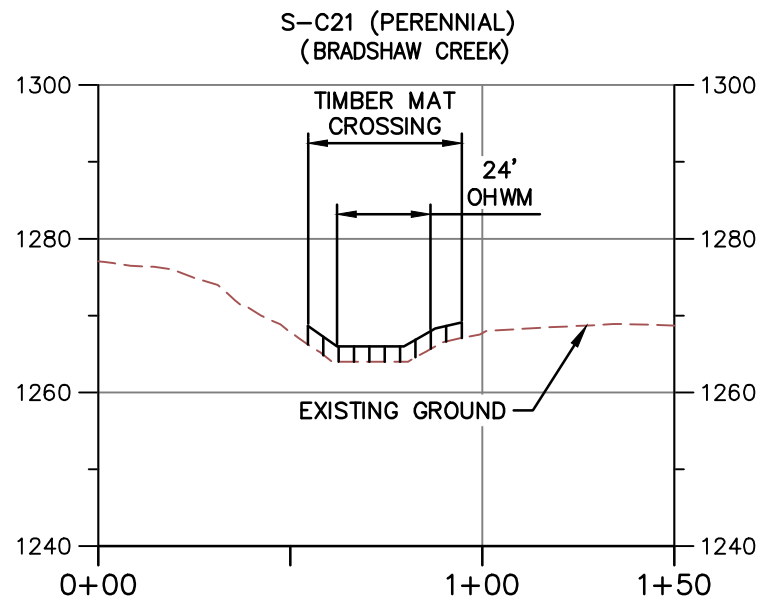
STATION = 12088+08

COUNTY: MONROE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

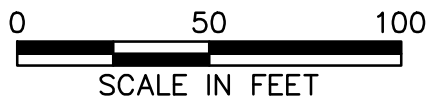
DATE:	2/10/21
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PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

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STREAM CROSSING

STREAM NAME: S-C21 (BRADSHAW CREEK)

LAT./LONG. = 37.251791, -80.258990

STATION = 12114+76

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/17/21

PROJECT NO.: 112IC07157

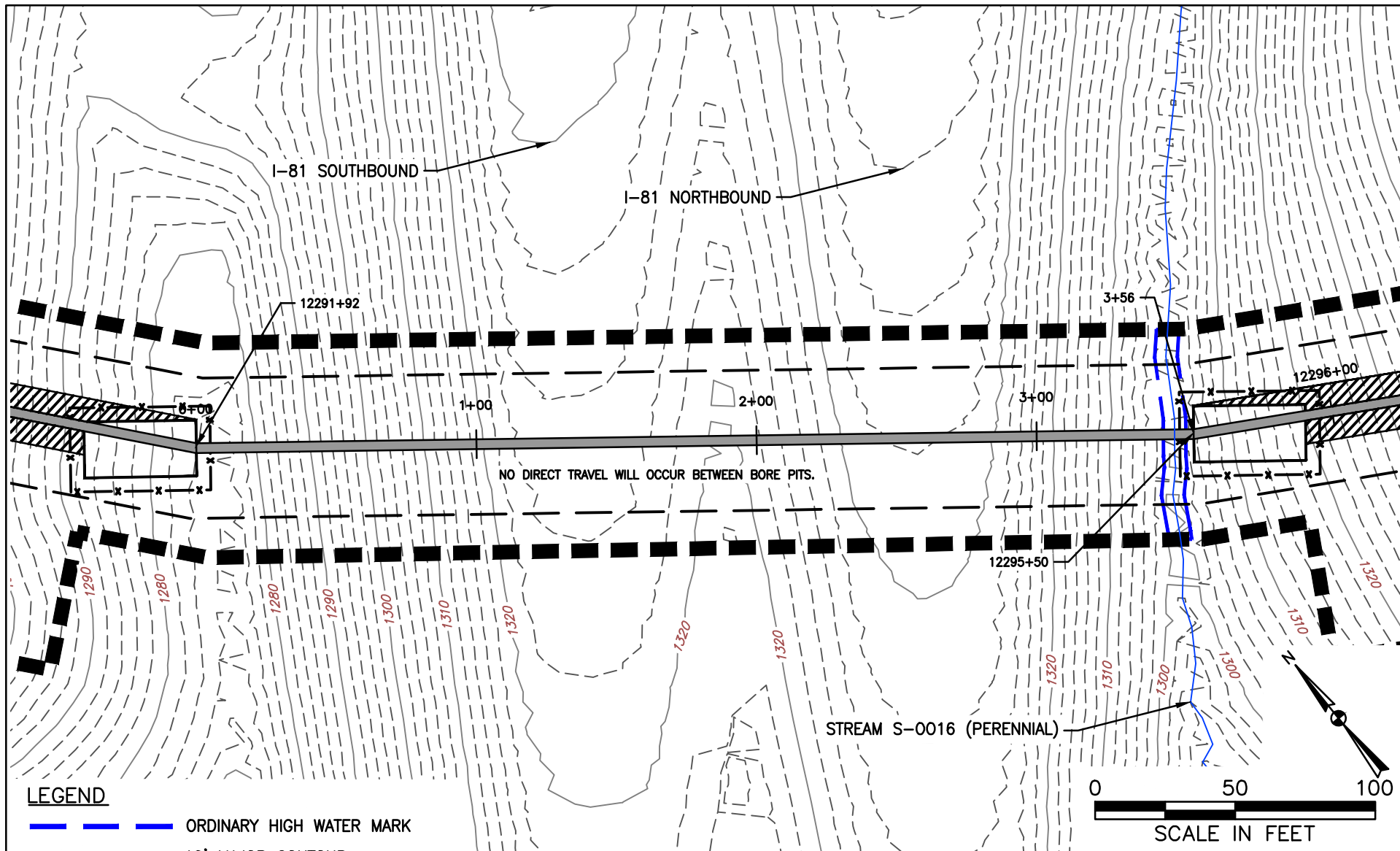
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LEGEND

- ORDINARY HIGH WATER MARK
- 10' MAJOR CONTOUR
- 2' MINOR CONTOUR
- - - - - PROPOSED LIMIT OF DISTURBANCE
- PROPOSED PERMANENT R.O.W.
- ▬ PROPOSED PIPELINE
- x — x — x — BORE PIT WITH CHAIN LINK FENCE



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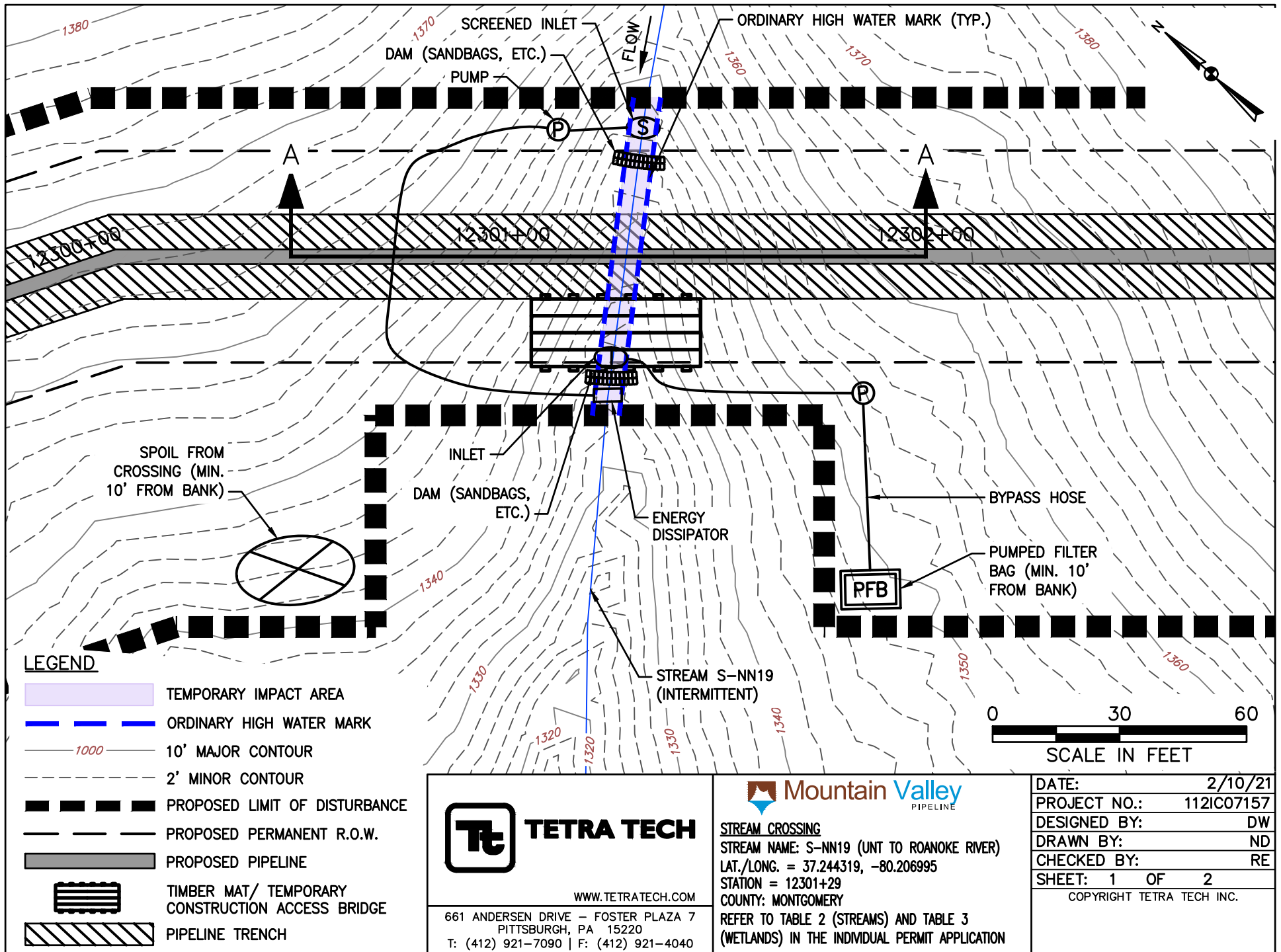
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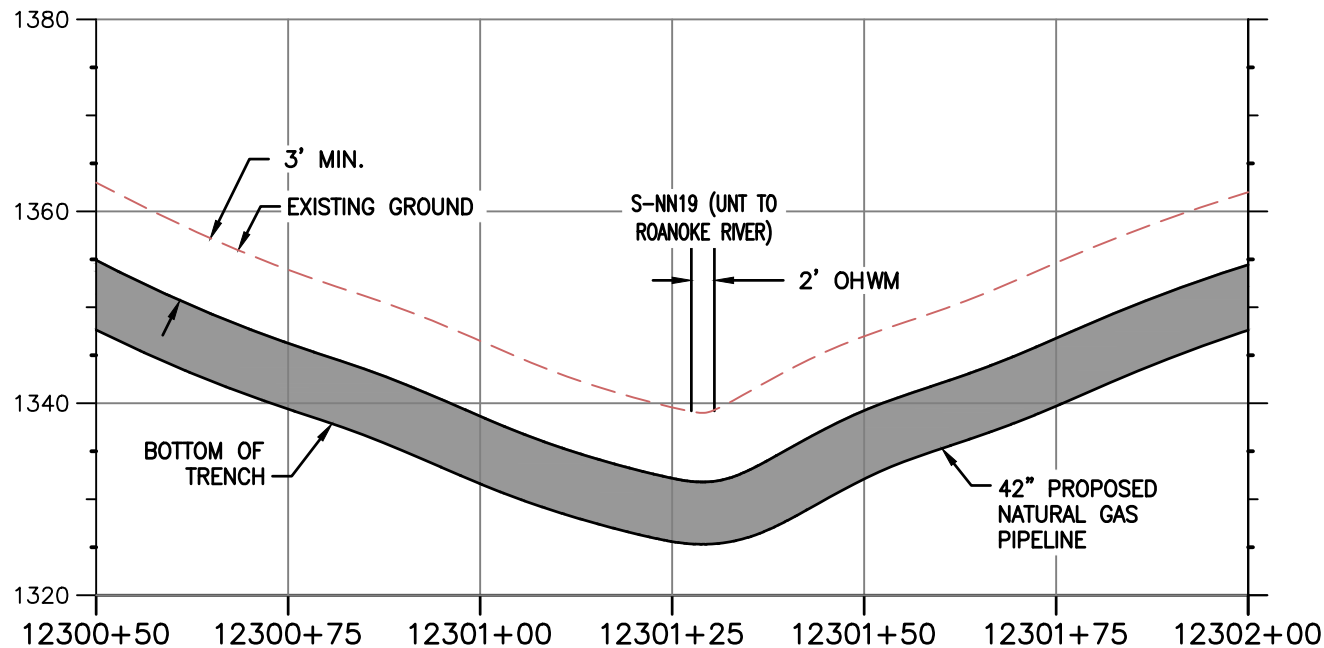


STREAM CROSSING

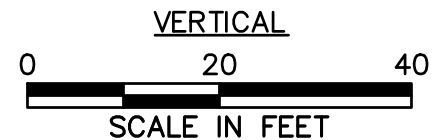
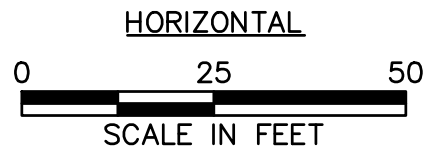
STREAM NAME: S-0016 (UNT TO ROANOKE RIVER)
LAT./LONG. = 37.245214, -80.208659
STATION = 12291+92 / 3+49
COUNTY: MONTGOMERY
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-NN19 (UNT TO ROANOKE RIVER)

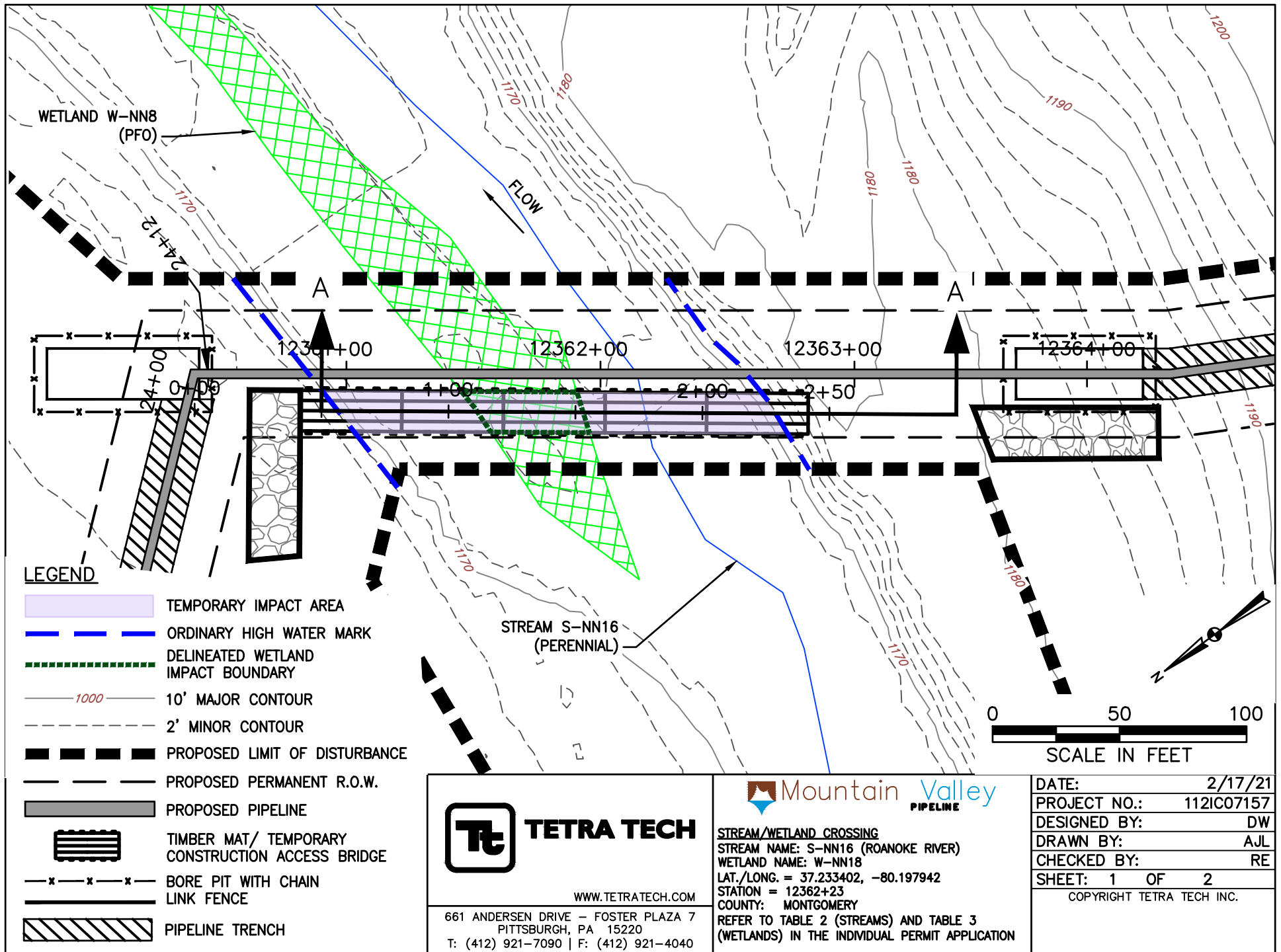
LAT./LONG. = 37.244319, -80.206995

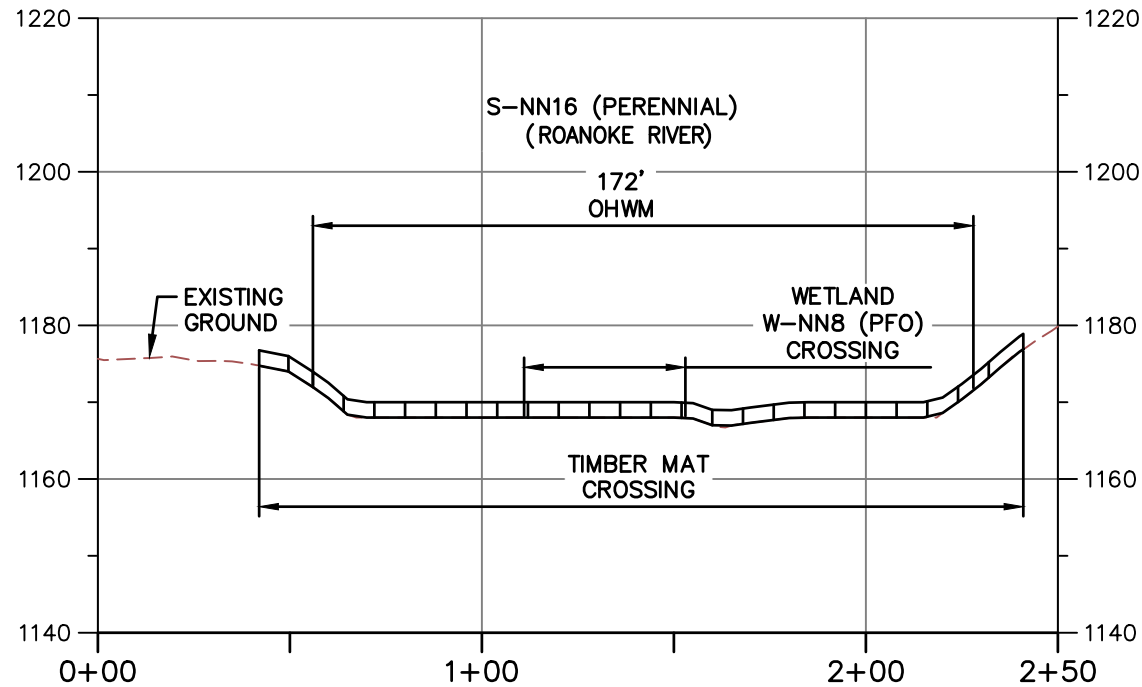
STATION = 12301+29

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

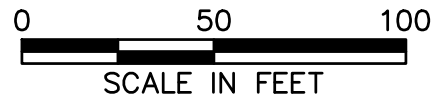
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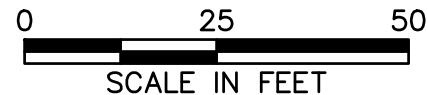


PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

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STREAM/WETLAND CROSSING

STREAM NAME: S-NN16 (ROANOKE RIVER)

WETLAND NAME: W-NN18

LAT./LONG. = 37.233402, -80.197942

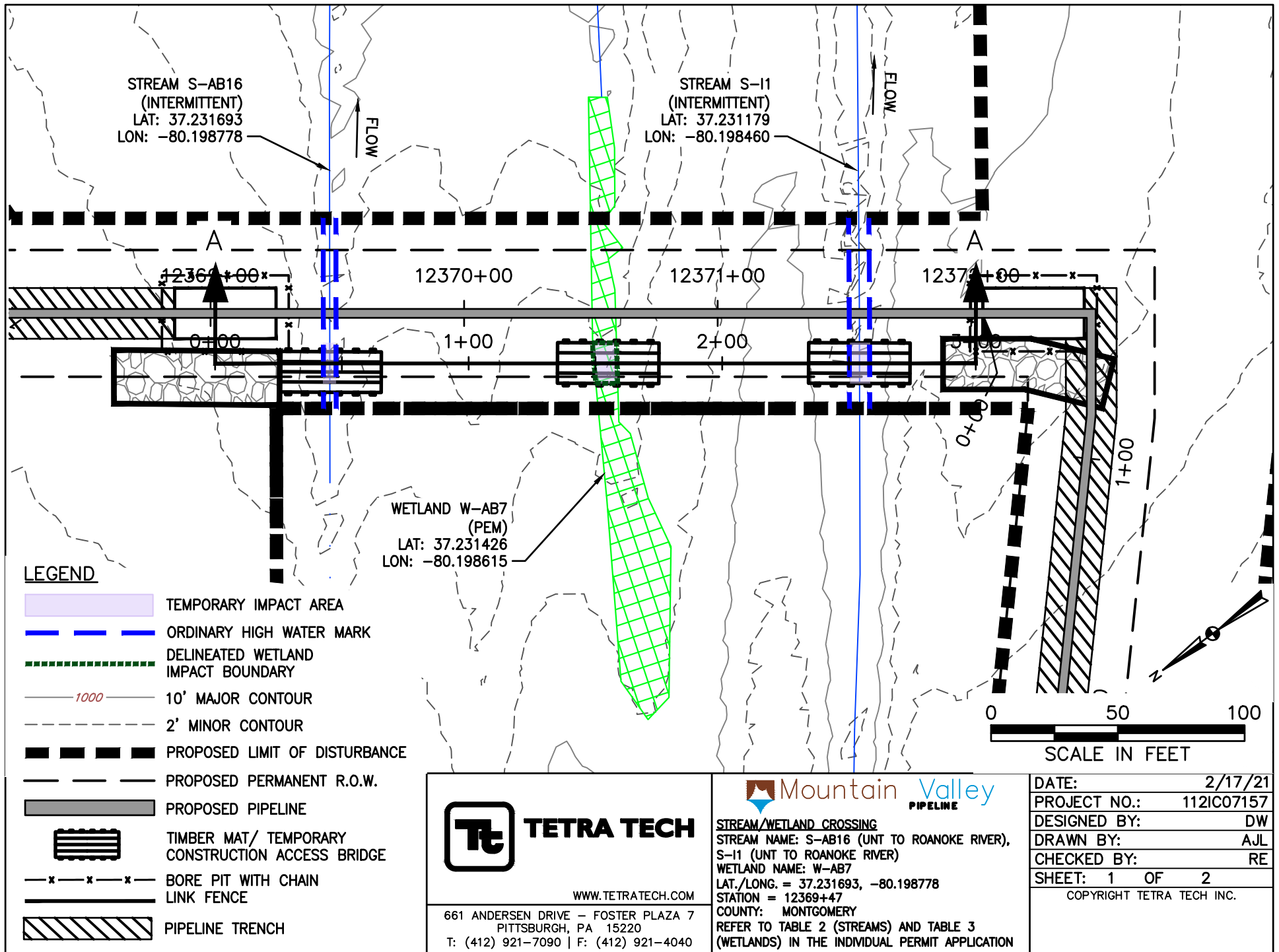
STATION = 12362+23

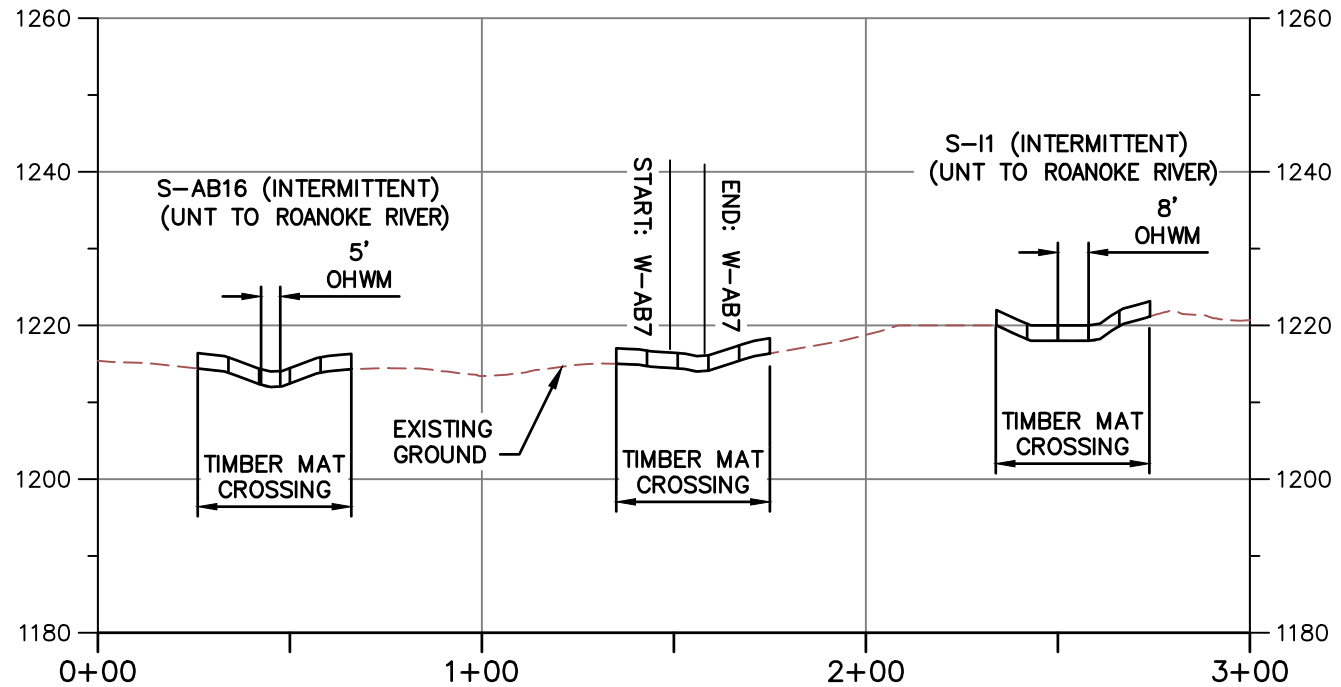
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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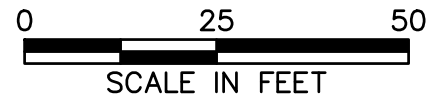


PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM/WETLAND CROSSING

STREAM NAME: S-AB16 (UNT TO ROANOKE RIVER),
S-I1 (UNT TO ROANOKE RIVER)

WETLAND NAME: W-AB7

LAT./LONG. = 37.231693, -80.198778

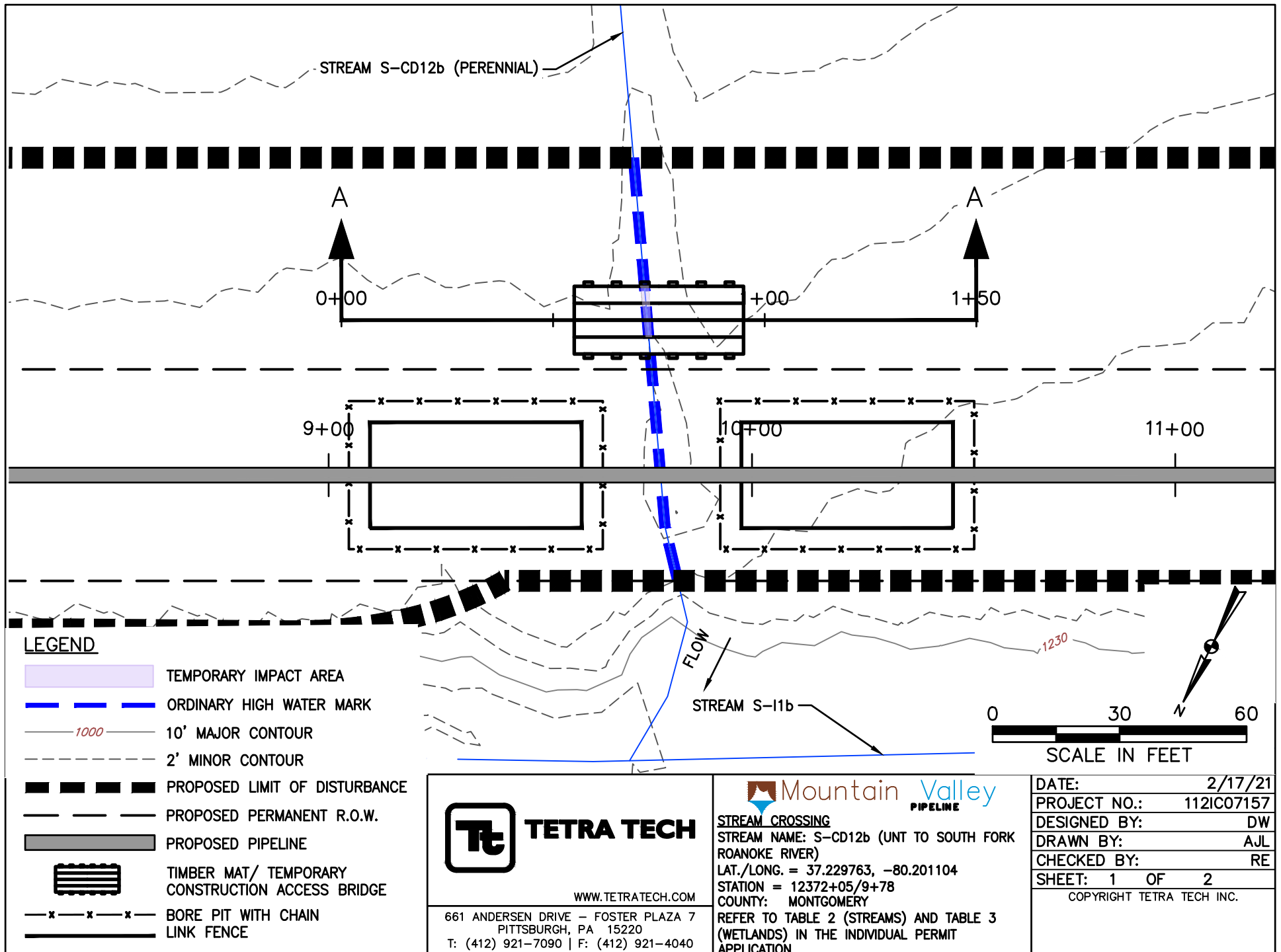
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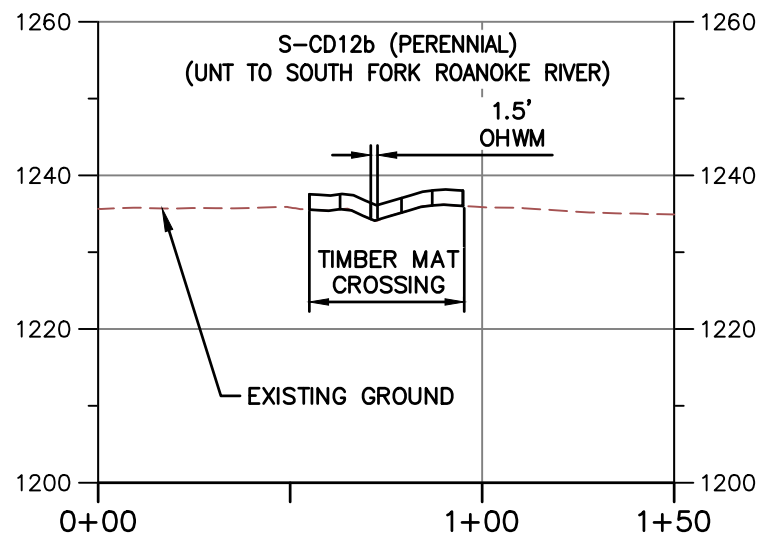
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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DESIGNED BY:	DW
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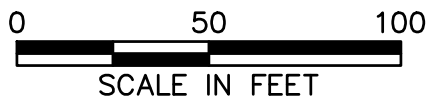
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PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM CROSSING

STREAM NAME: S-CD12b (UNT TO SOUTH FORK ROANOKE RIVER)

LAT./LONG. = 37.229763, -80.201104

STATION = 12372+05/9+78

COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/17/21

PROJECT NO.: 112IC07157

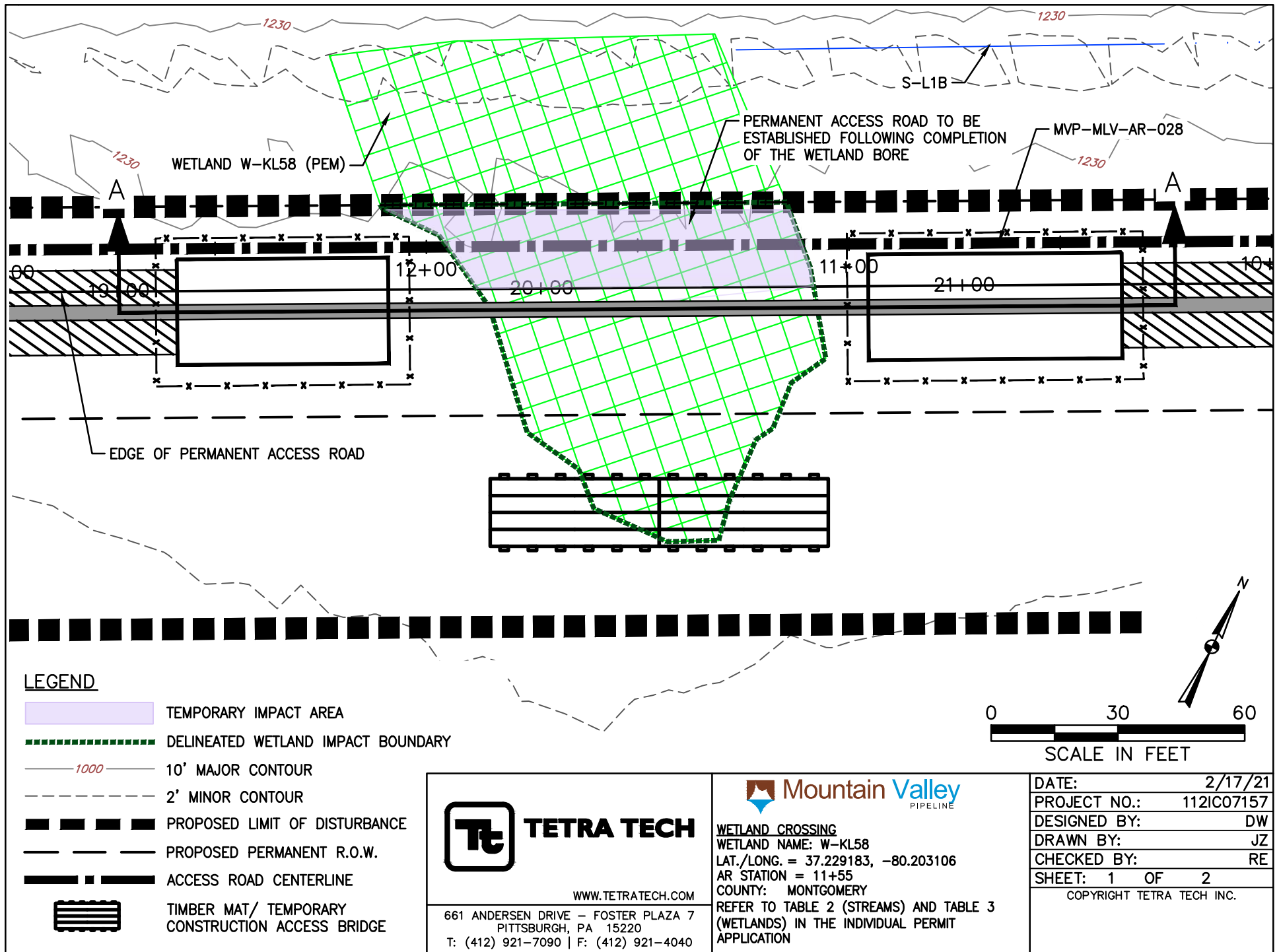
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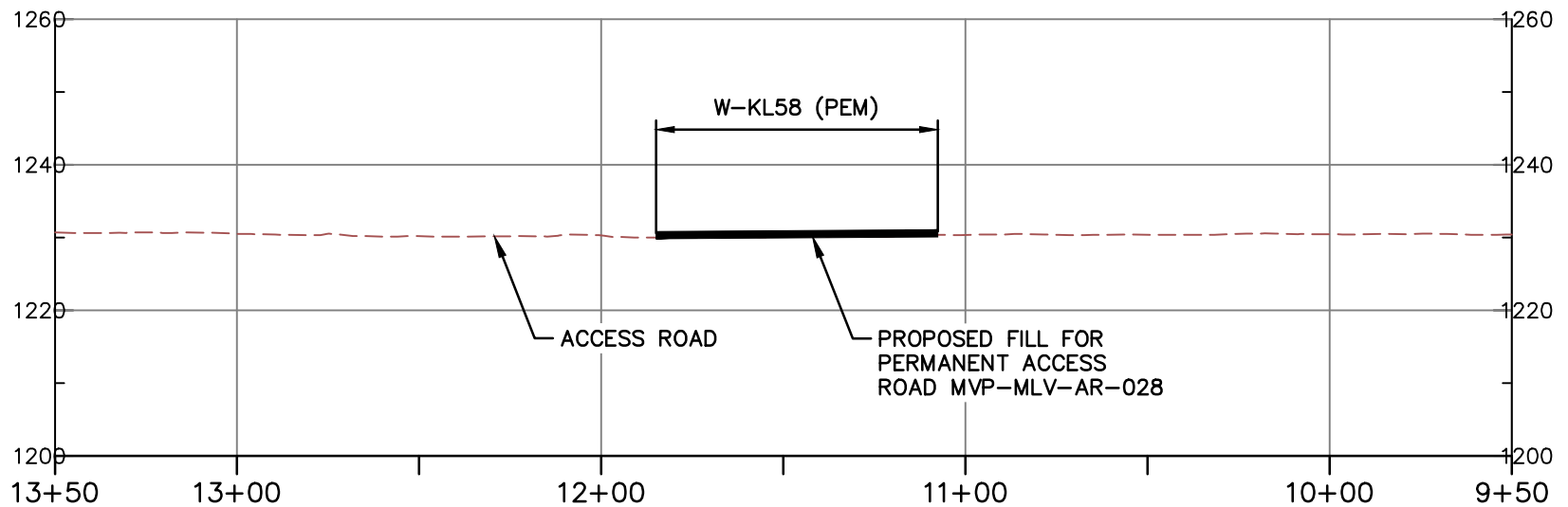
DRAWN BY: XXXXXX

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PROFILE A-A

HORIZONTAL



SCALE IN FEET

VERTICAL



SCALE IN FEET

NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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WETLAND CROSSING

WETLAND NAME: W-KL58

LAT./LONG. = 37.229183, -80.203106

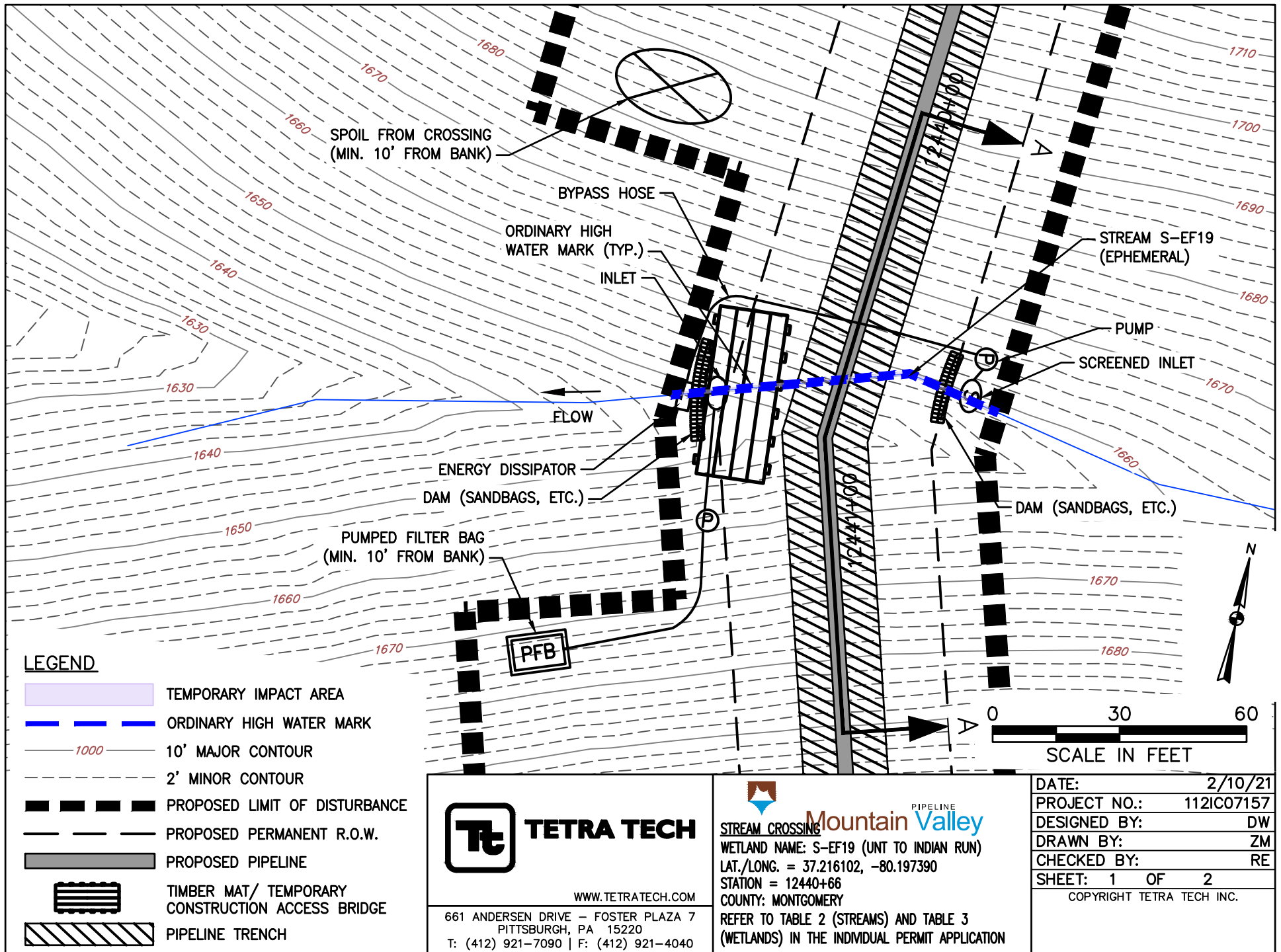
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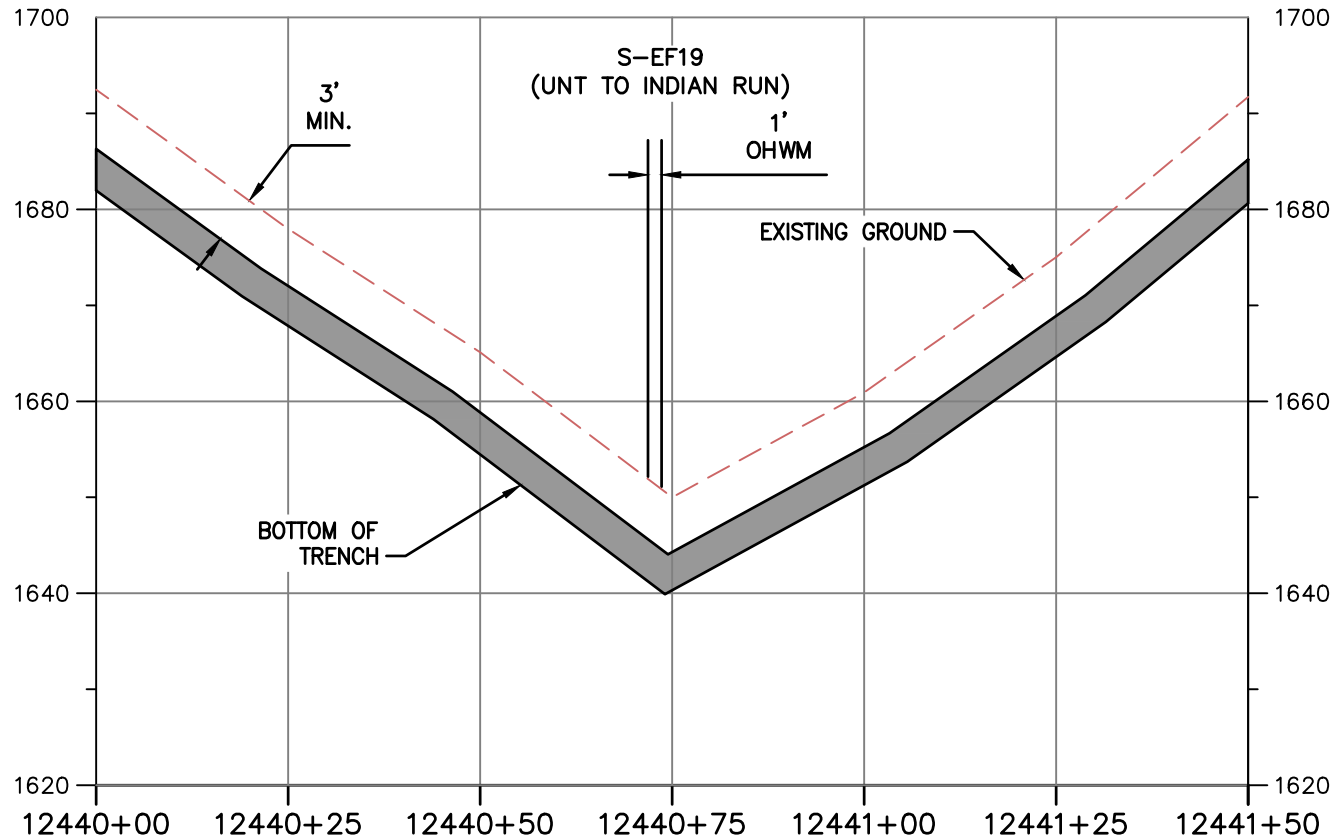
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

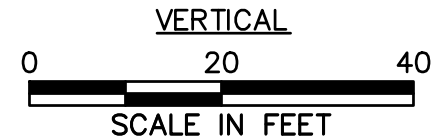
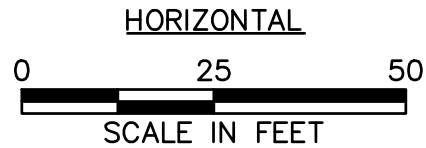
DATE:	2/17/21
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

WETLAND NAME: S-EF19 (UNT TO INDIAN RUN)

LAT./LONG. = 37.216102, -80.197390

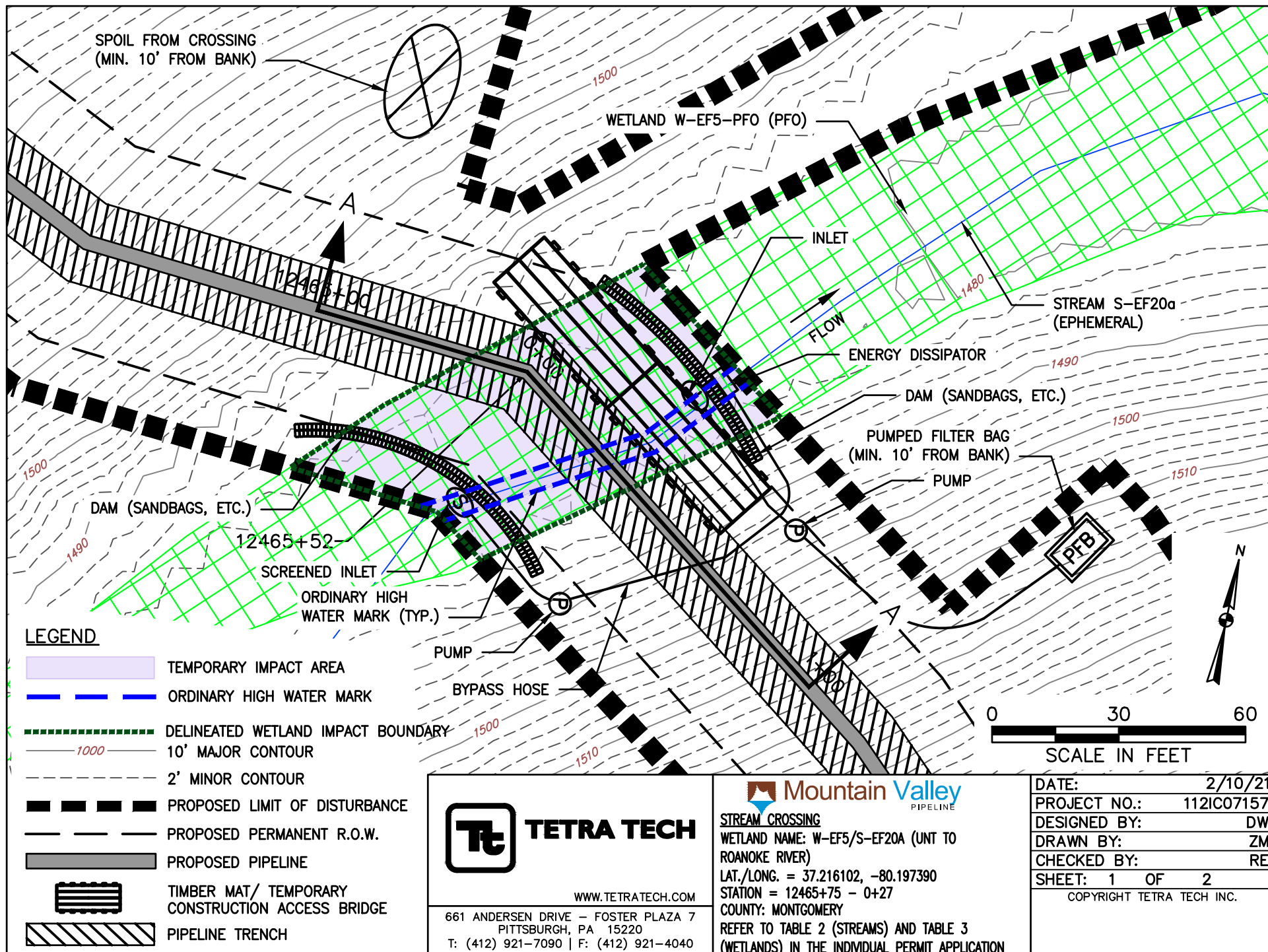
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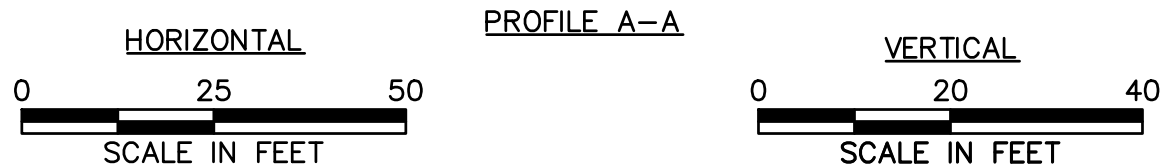
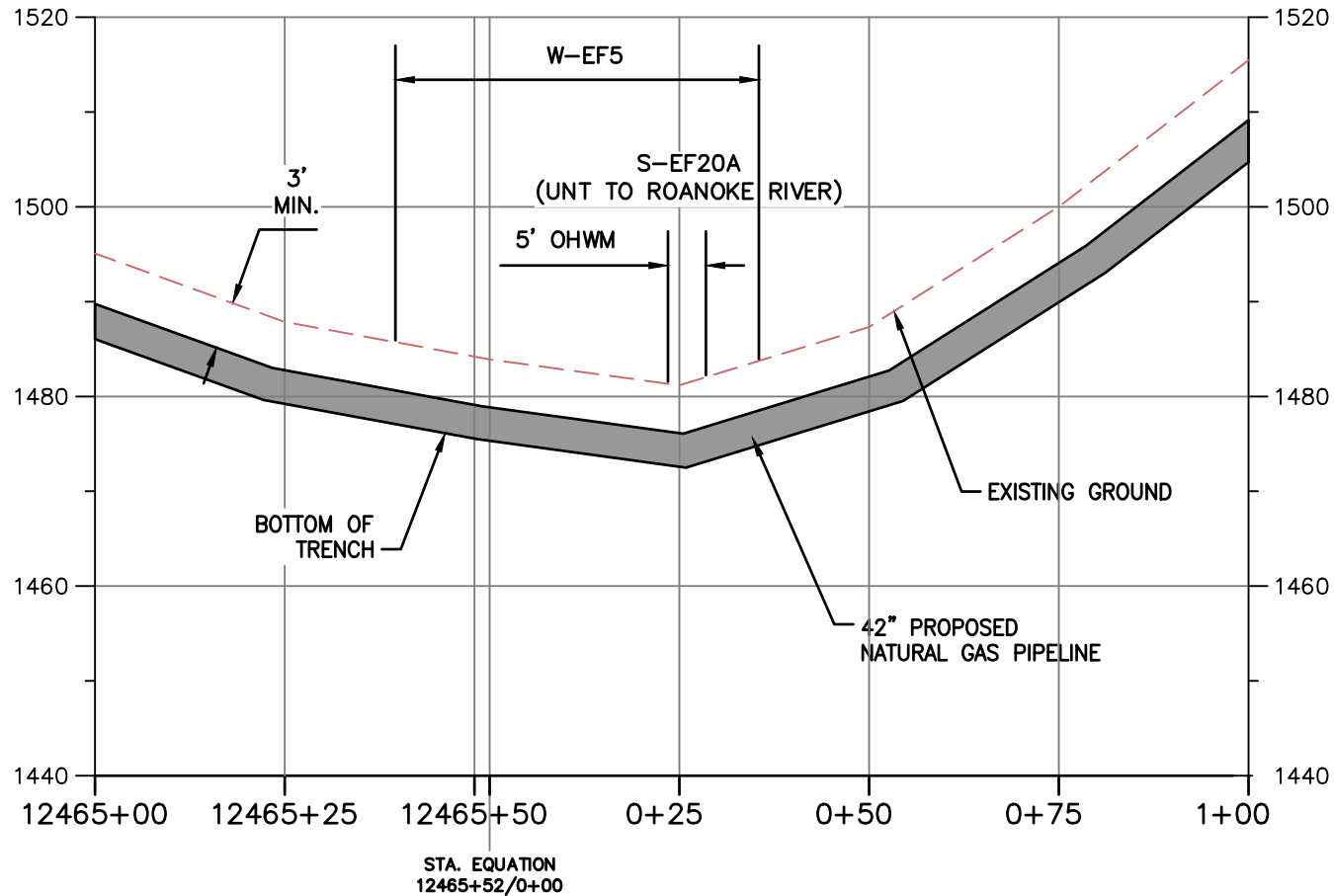
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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STREAM CROSSING

WETLAND NAME: W-EF5/S-EF20A (UNT TO ROANOKE RIVER)

LAT./LONG. = 37.216102, -80.197390

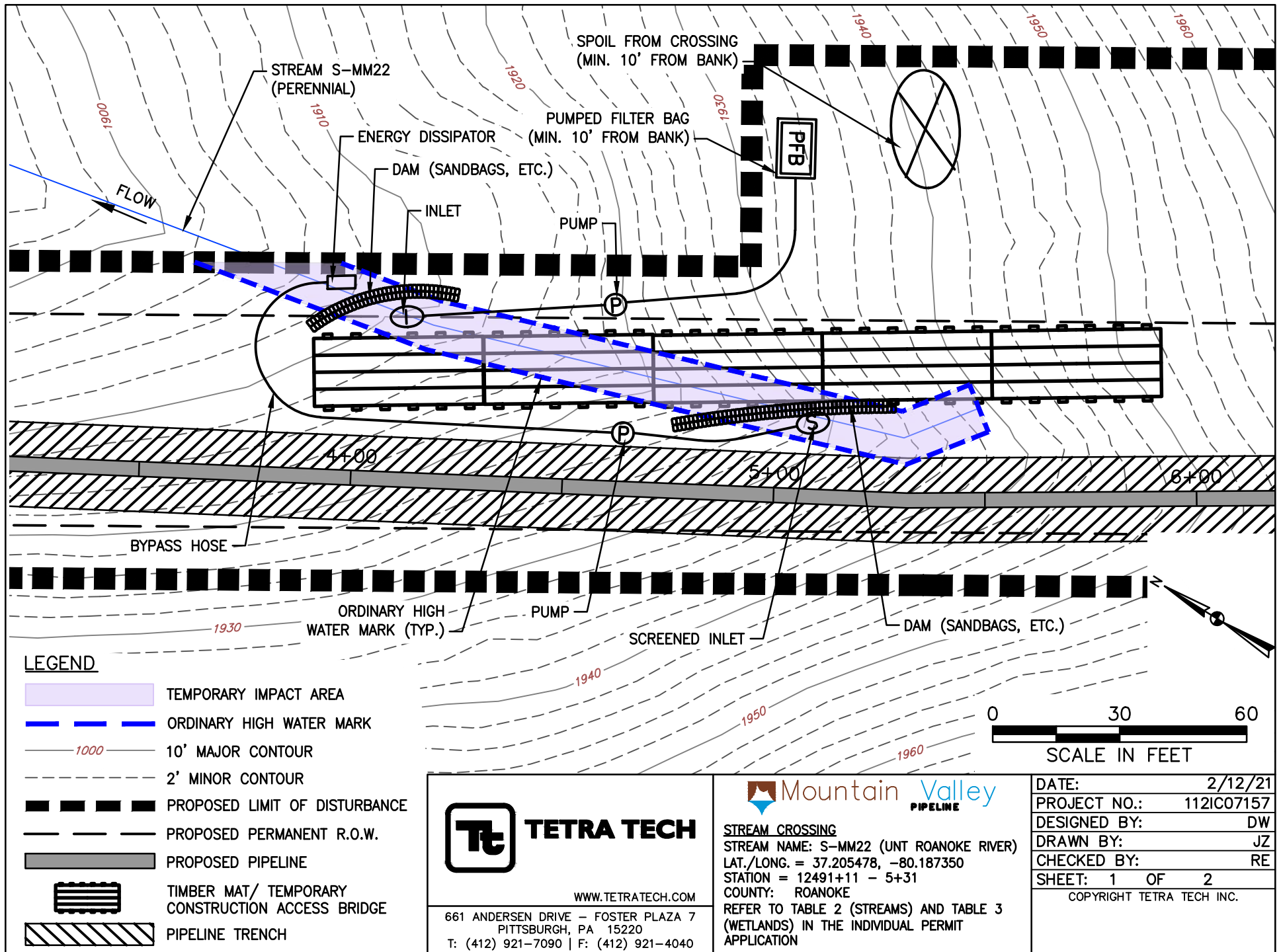
STATION = 12465+75 - 0+27

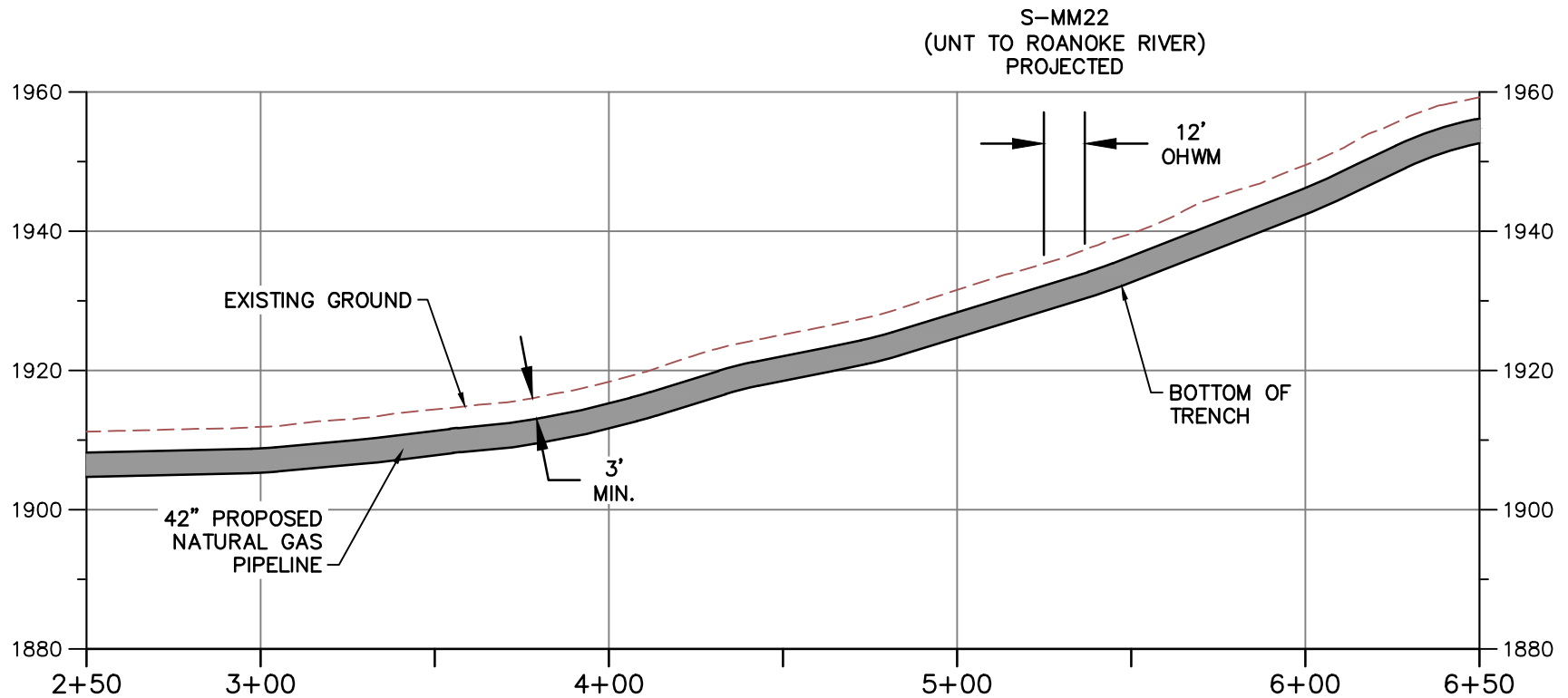
COUNTY: MONTGOMERY

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

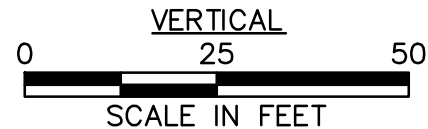
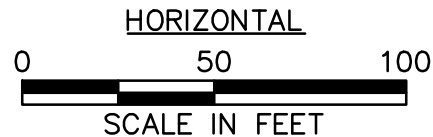
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PROFILE A-A



NOTE:

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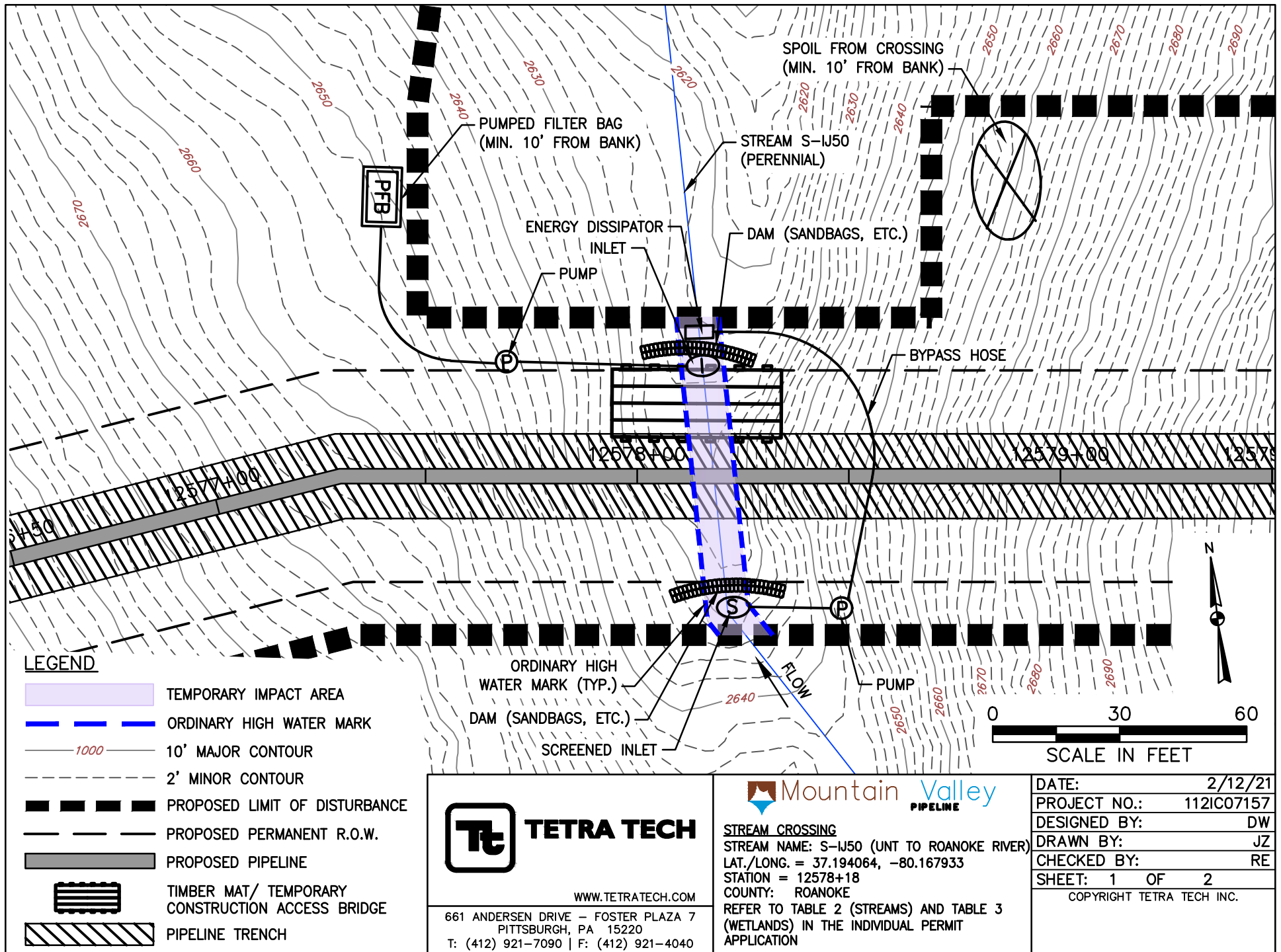


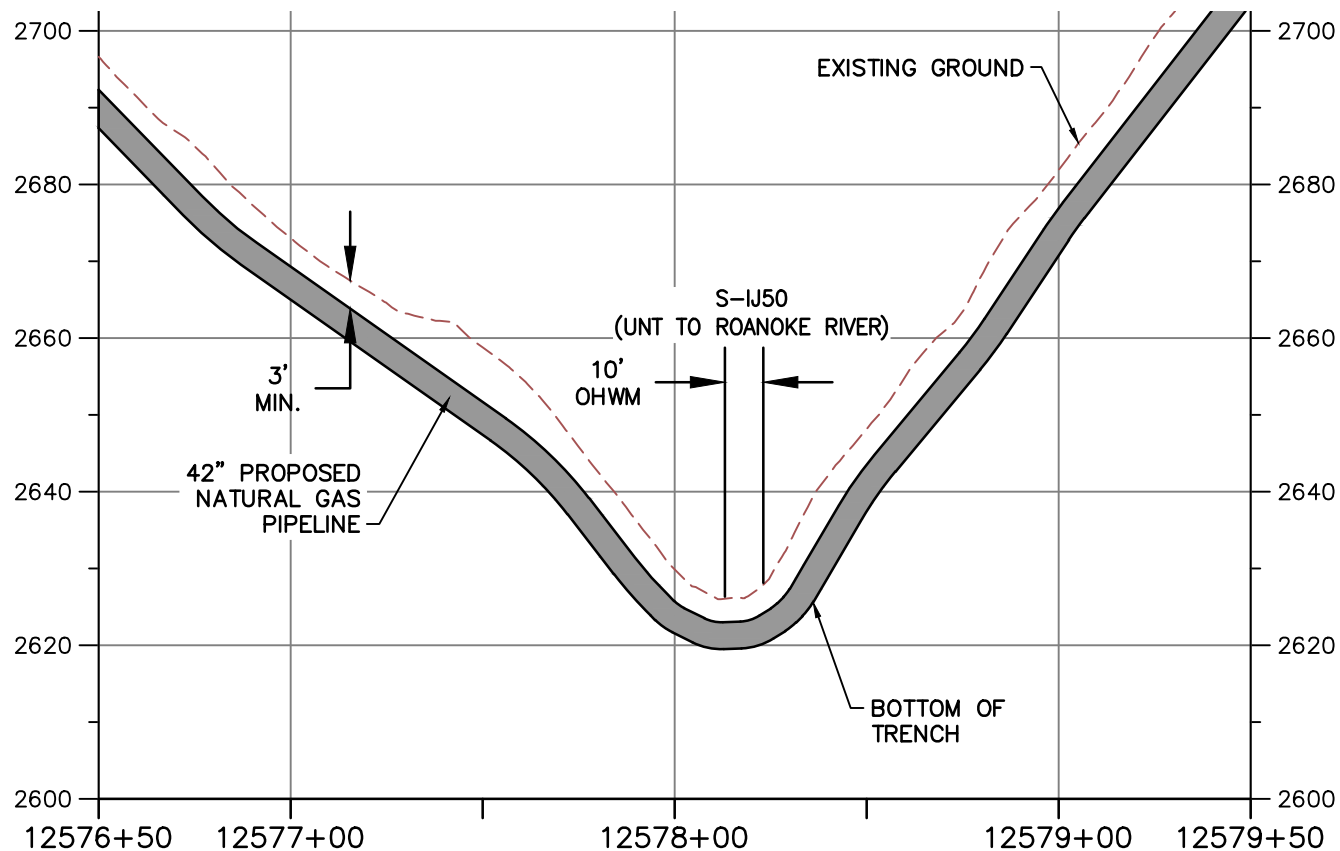
STREAM CROSSING

STREAM NAME: S-MM22 (UNT ROANOKE RIVER)
LAT./LONG. = 37.205478, -80.187350
STATION = 12491+11 - 5+31
COUNTY: ROANOKE
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

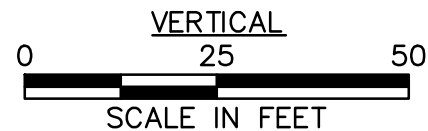
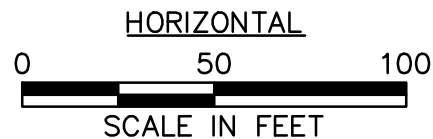
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-IJ50 (UNT TO ROANOKE RIVER)

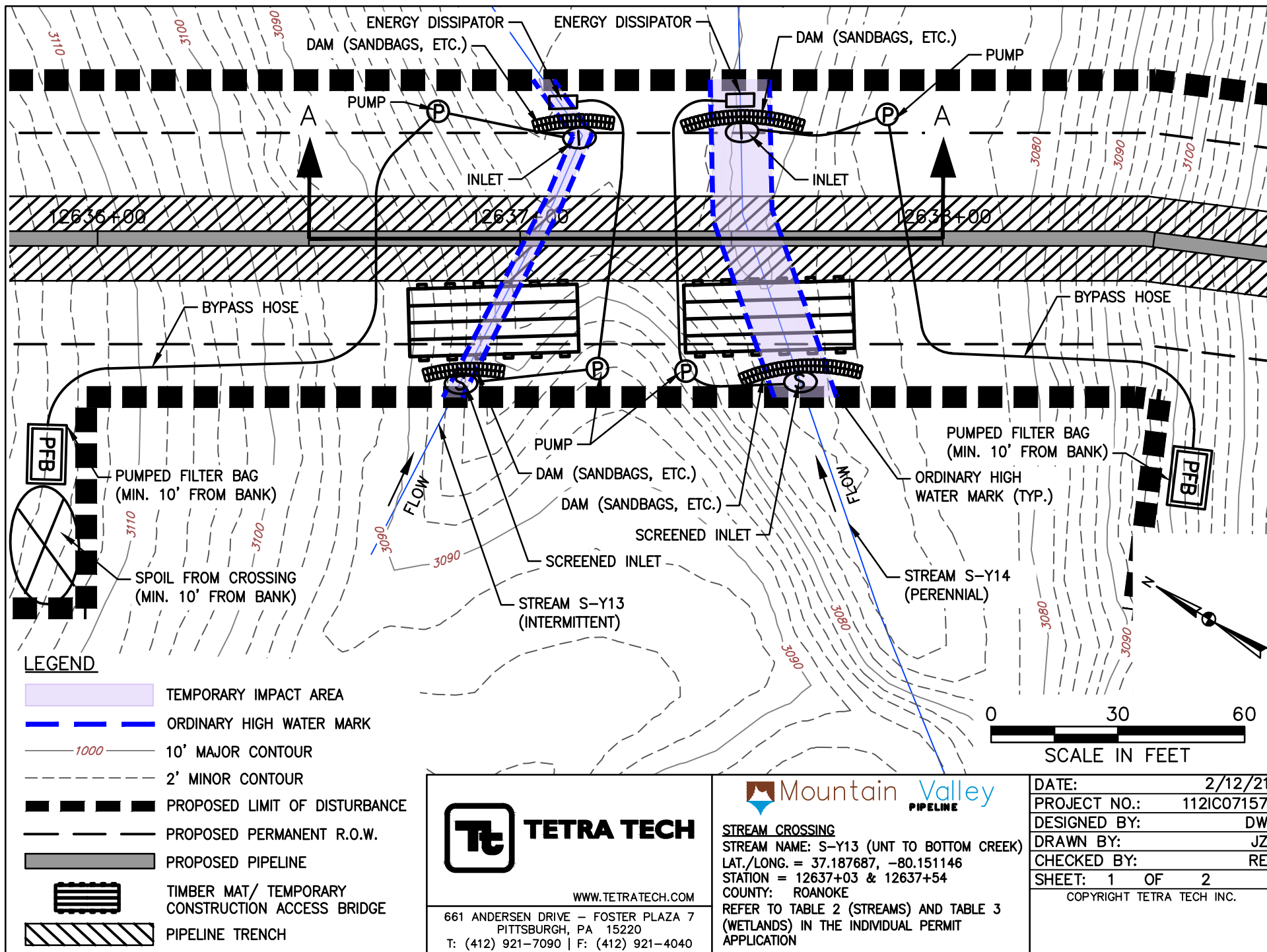
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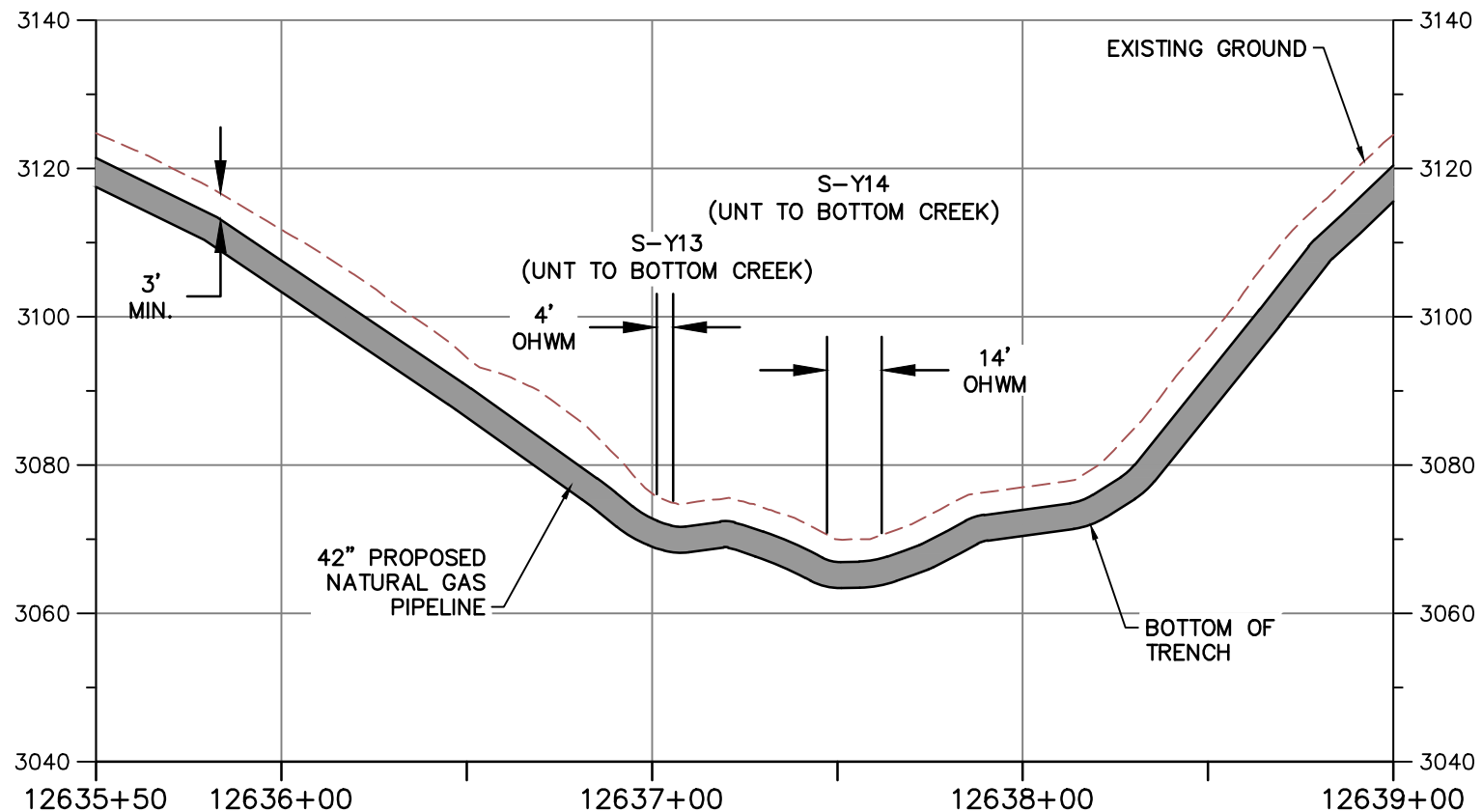
STATION = 12578+18

COUNTY: ROANOKE

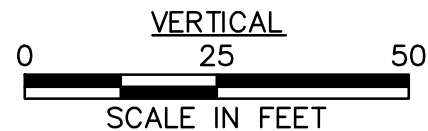
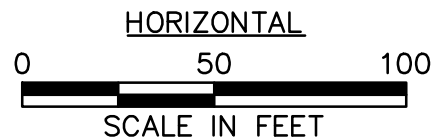
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A



NOTE:

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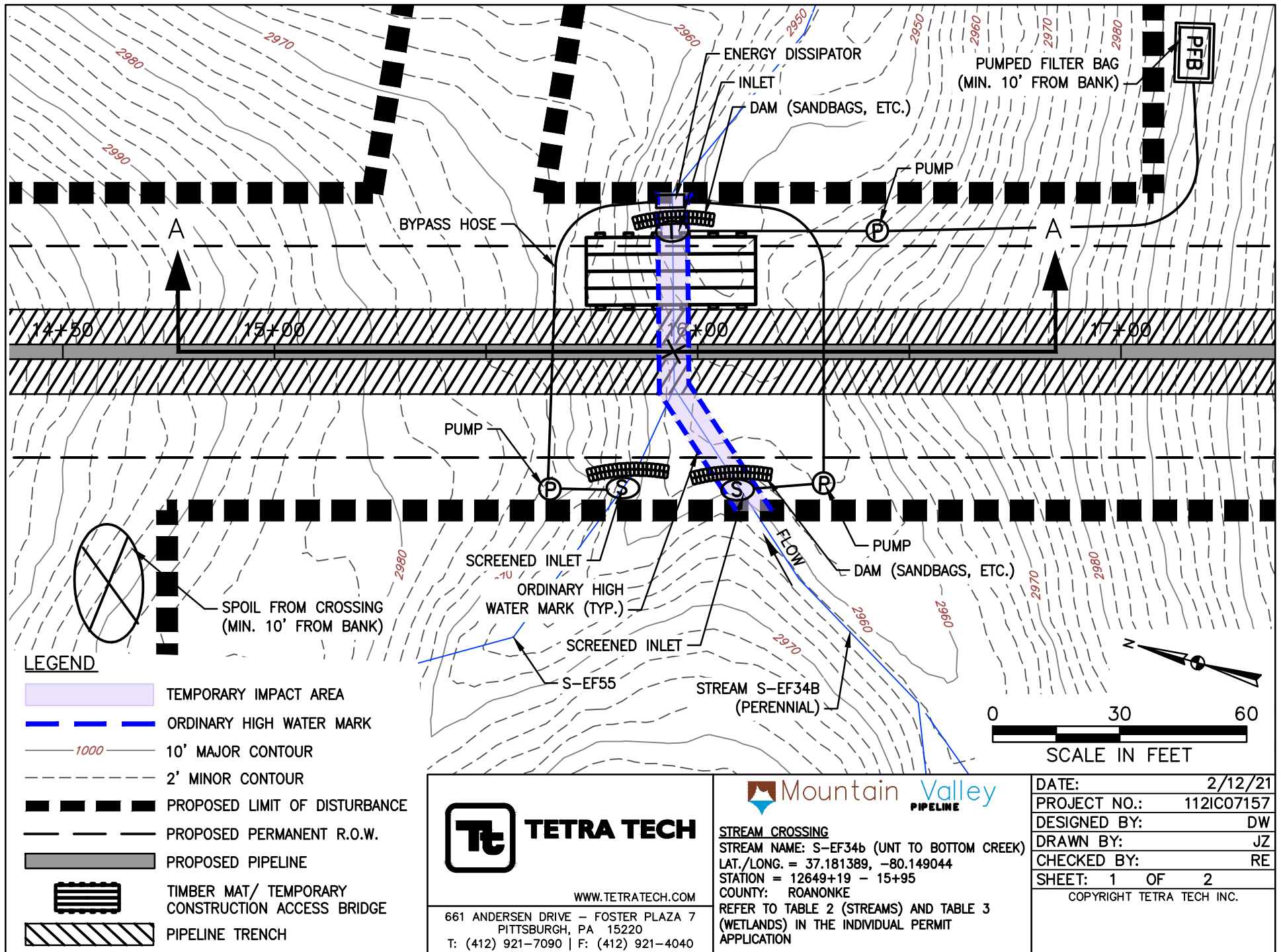


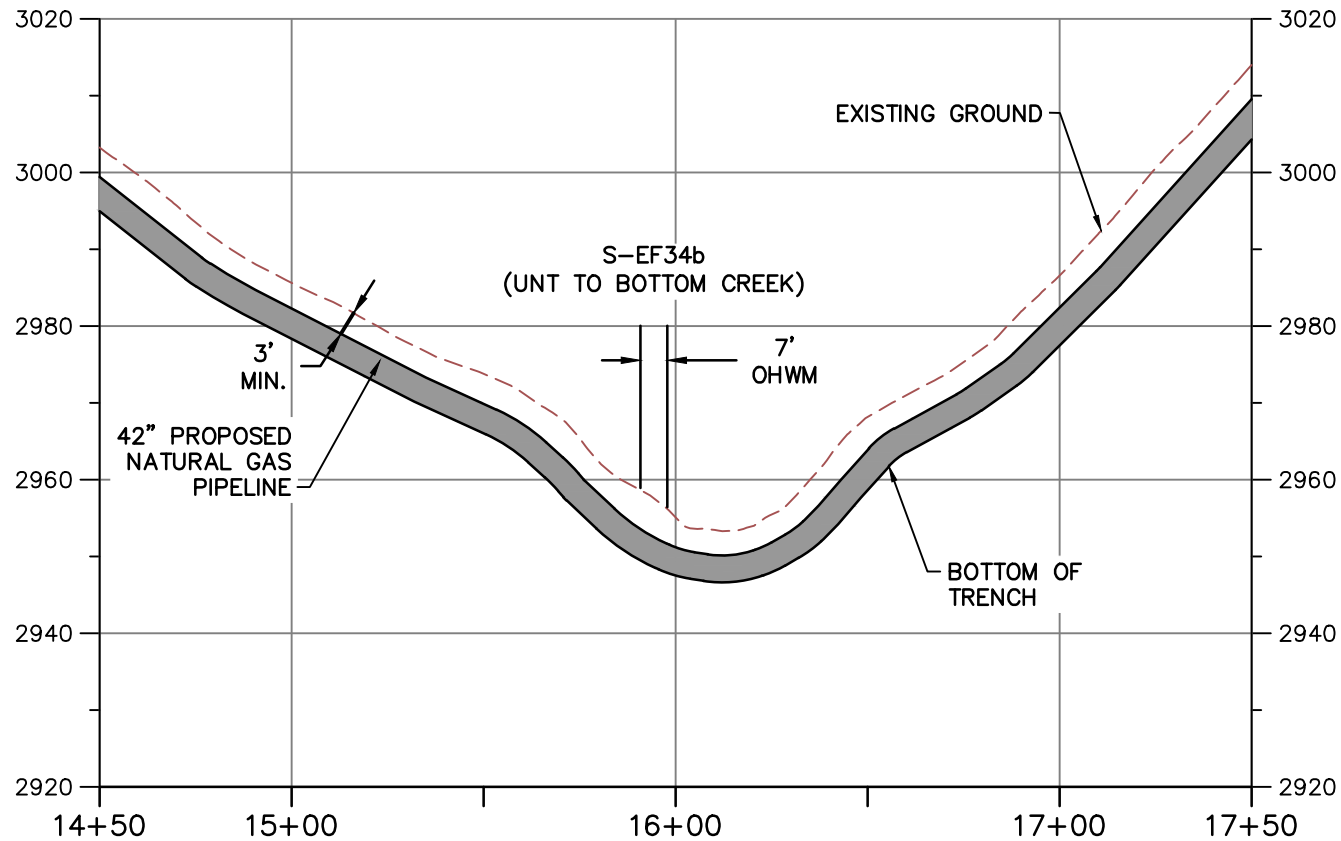
STREAM CROSSING

STREAM NAME: S-Y13 (UNT TO BOTTOM CREEK)
LAT./LONG. = 37.187687, -80.151146
STATION = 12637+03 & 12637+54
COUNTY: ROANOKE
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

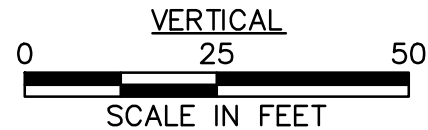
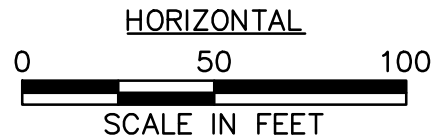
DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	JZ
CHECKED BY:	RE
SHEET: 2 OF 2	

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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STREAM CROSSING

STREAM NAME: S-EF34b (UNT TO BOTTOM CREEK)

LAT./LONG. = 37.181389, -80.149044

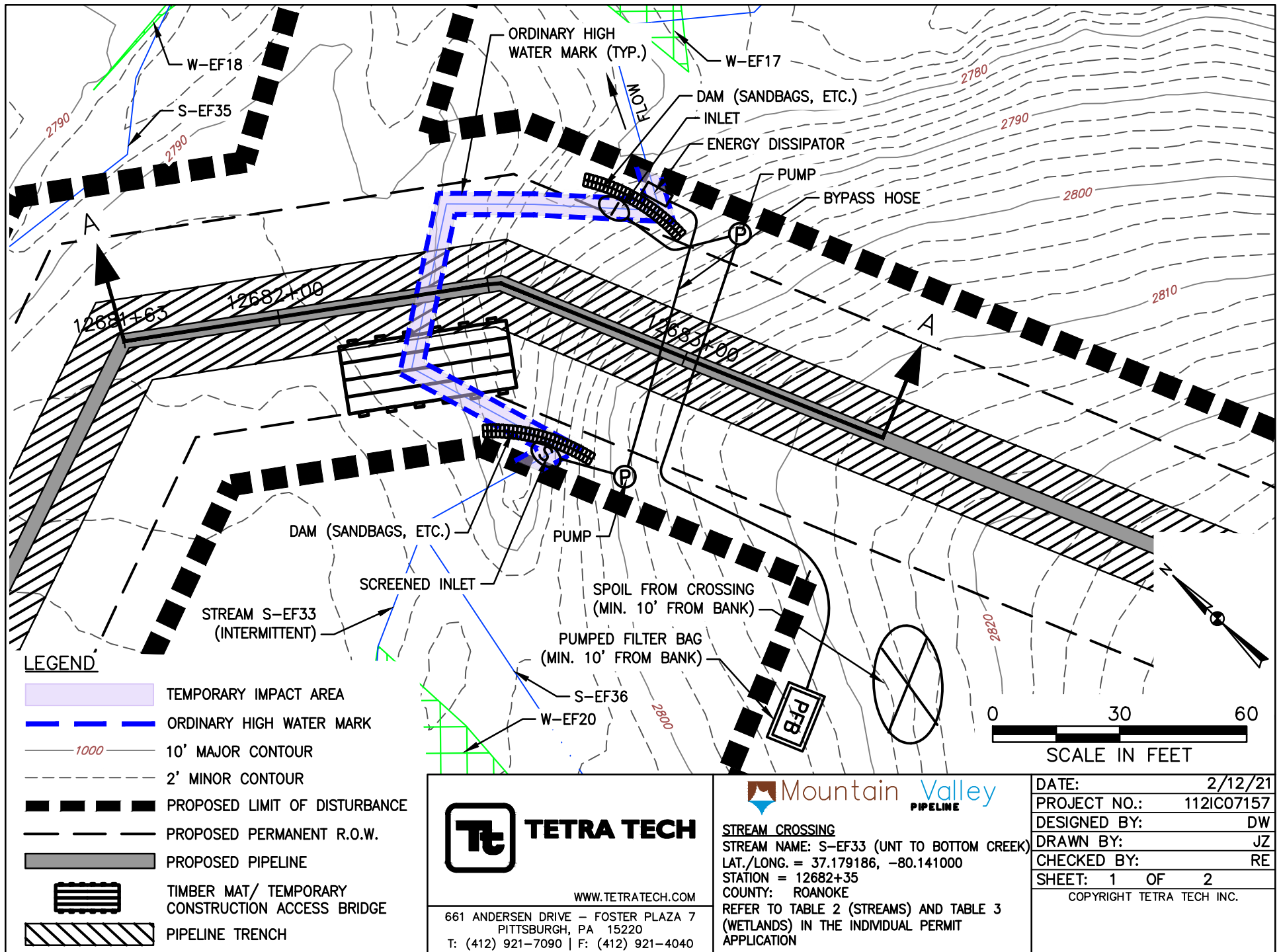
STATION = 12649+19 - 15+95

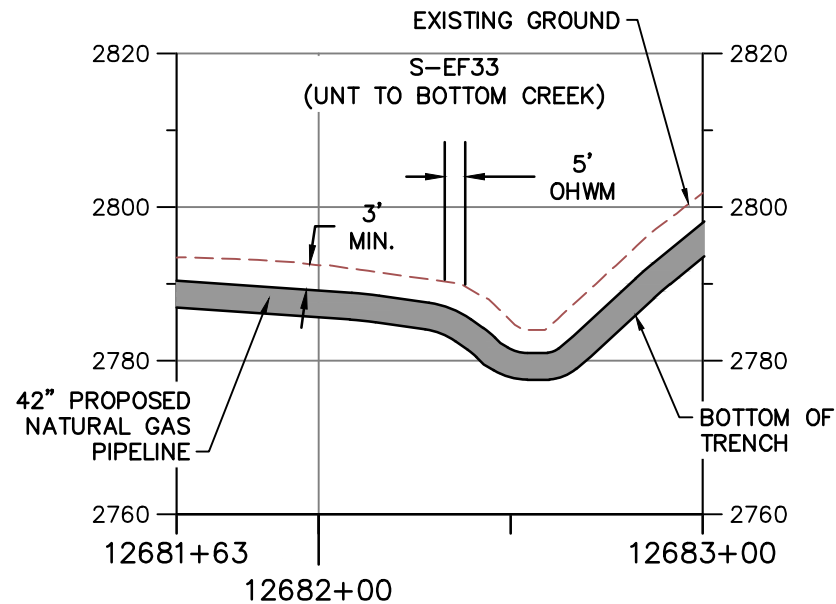
COUNTY: ROANOK

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

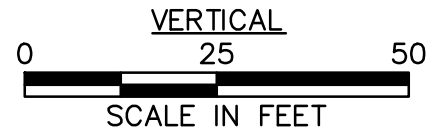
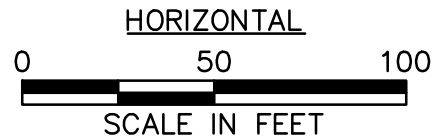
DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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SHEET:	2 OF 2

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-EF33 (UNT TO BOTTOM CREEK)

LAT./LONG. = 37.179186, -80.141000

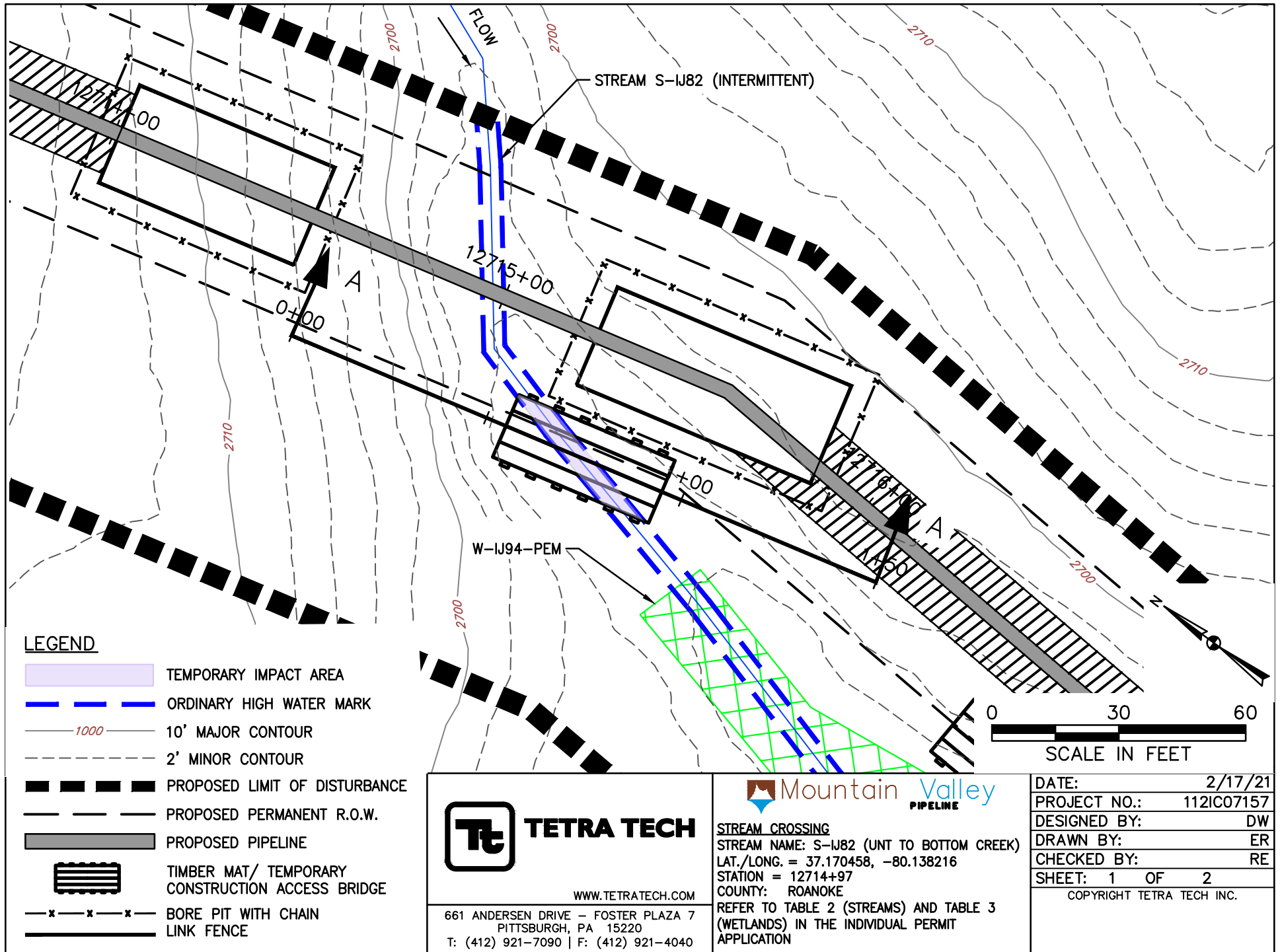
STATION = 12682+35

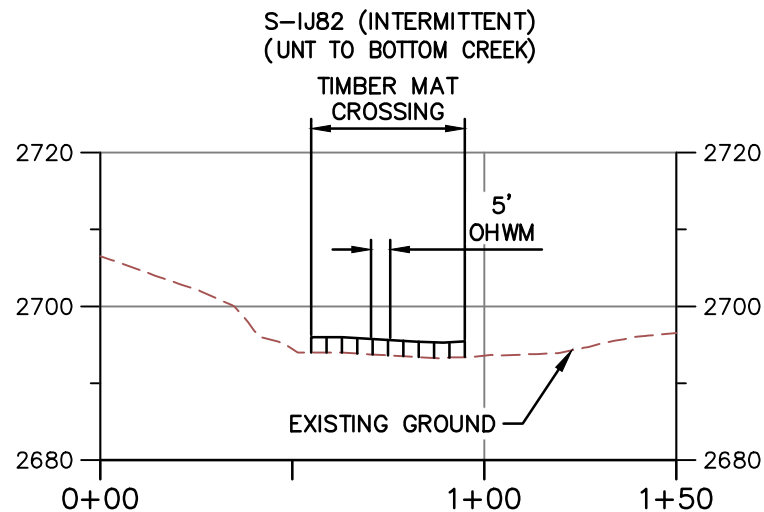
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	JZ
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SHEET: 2 OF 2	

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PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
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4. PIPELINE NOT SHOWN ON PROFILE BECAUSE IT IS A BORE BELOW SURFACE WATER AND DOES NOT CREATE AN IMPACT.



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STREAM CROSSING

STREAM NAME: S-IJ82 (UNT TO BOTTOM CREEK)

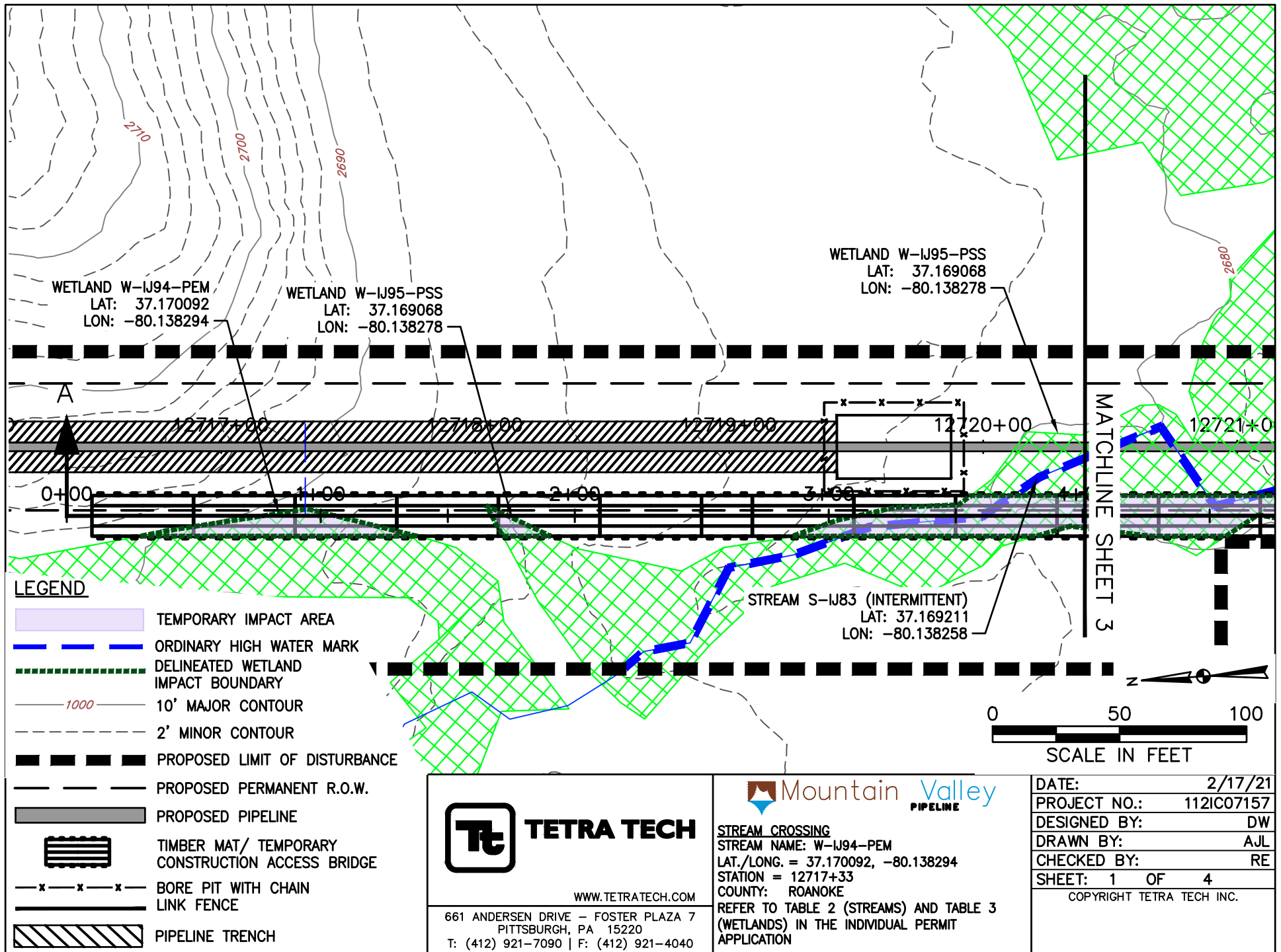
LAT./LONG. = 37.170458, -80.138216

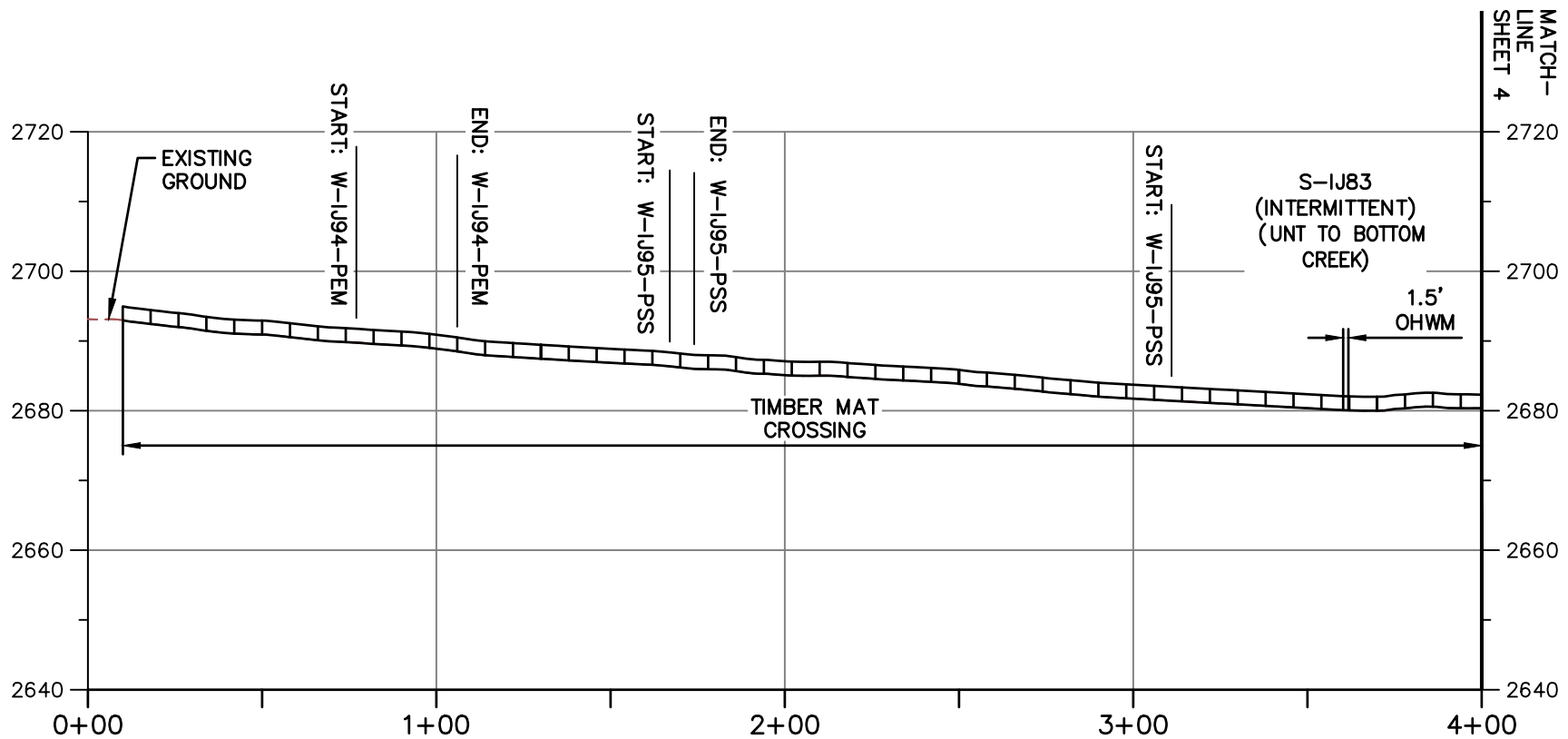
STATION = 12714+97

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

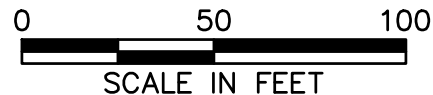
DATE:	2/17/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	ER
CHECKED BY:	RE
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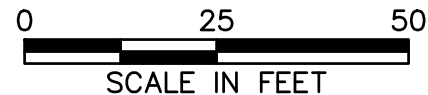


PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
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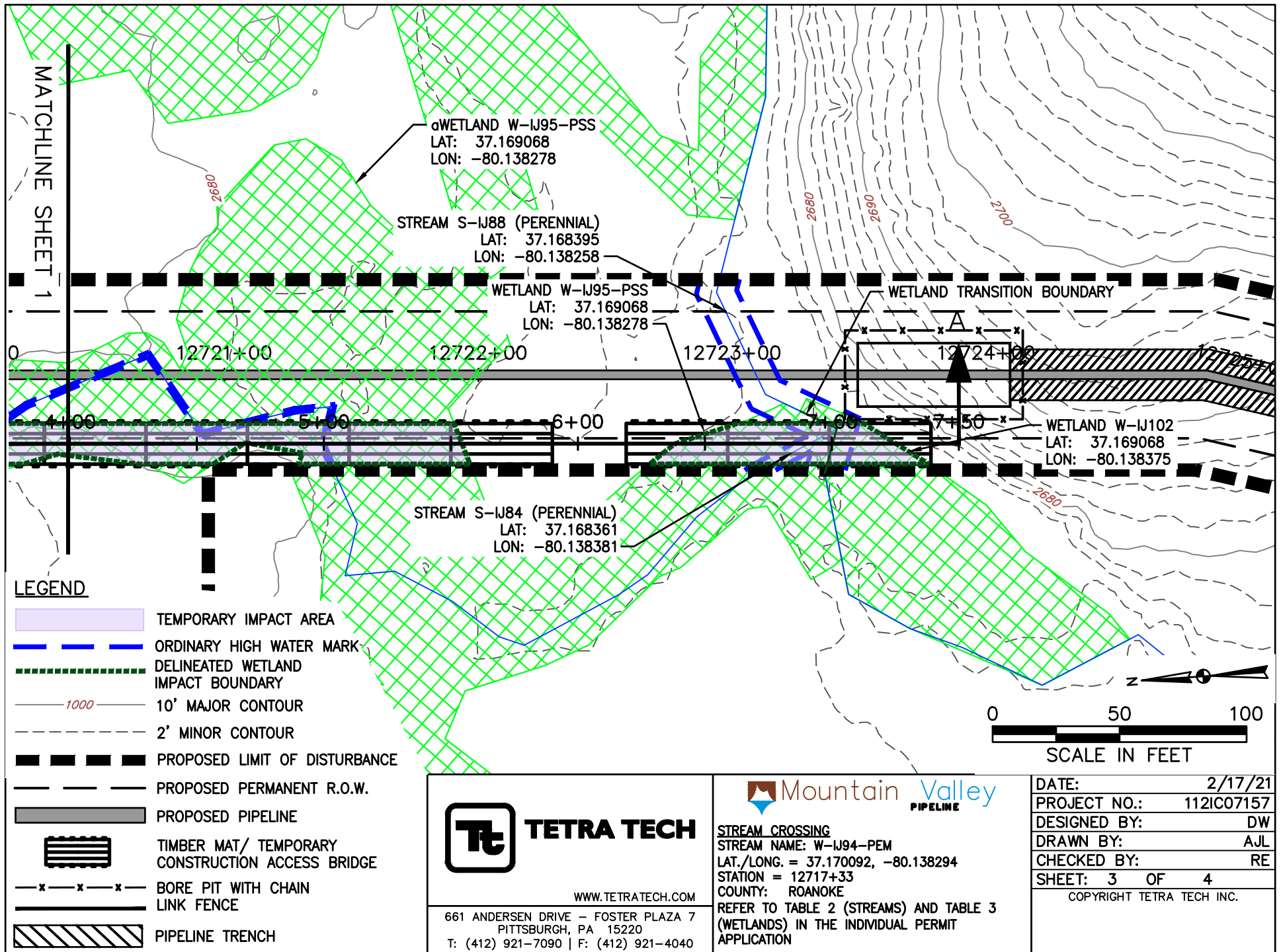
STREAM CROSSING

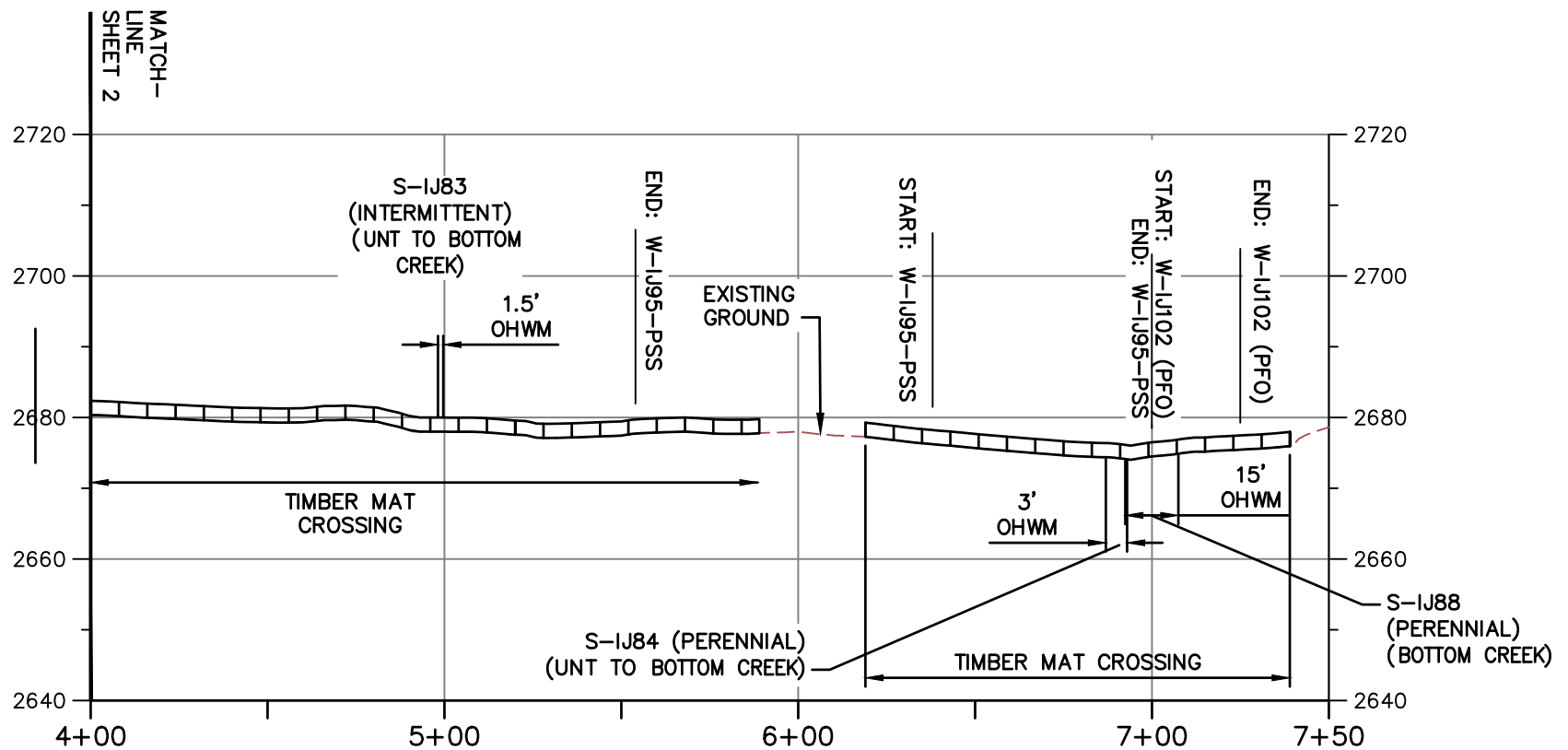
STREAM NAME: W-IJ94-PEM
LAT./LONG. = 37.170092, -80.138294
STATION = 12717+33
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/17/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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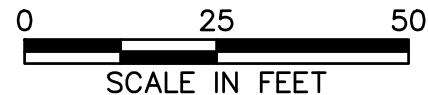


PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

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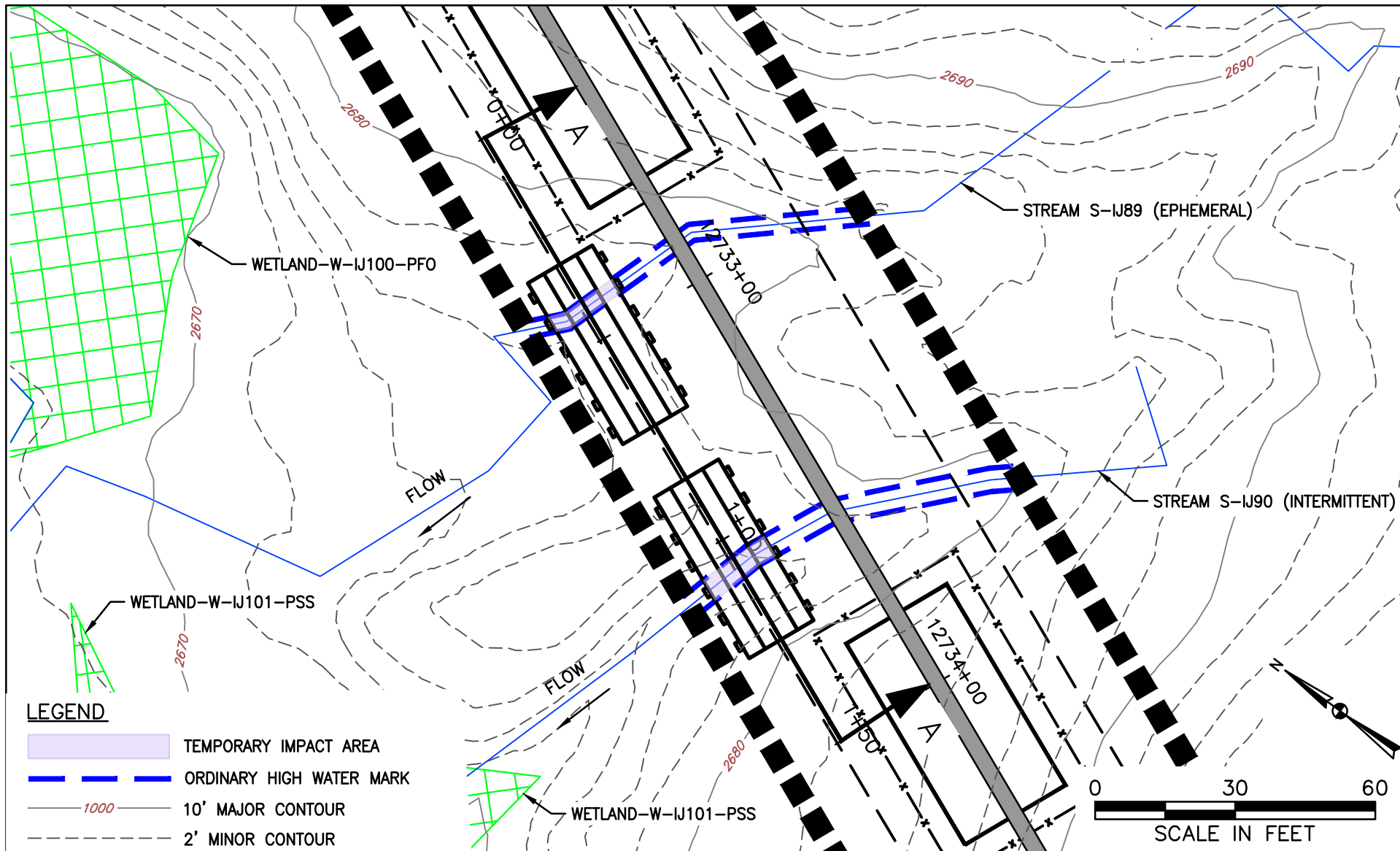
STREAM CROSSING

STREAM NAME: W-IJ94-PEM
LAT./LONG. = 37.170092, -80.138294
STATION = 12717+33
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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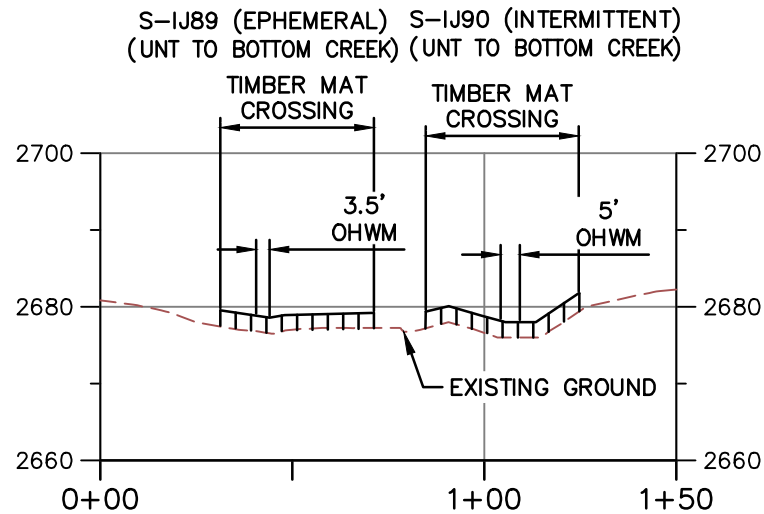
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STREAM CROSSING

STREAM NAME: S-IJ89 (UNT TO BOTTOM CREEK)
S-IJ90 (UNT TO BOTTOM CREEK)
LAT./LONG. = S-IJ89 37.165862, -80.139317
S-IJ90 37.165685, -80.139378
STATION = S-IJ89 12732+91; S-IJ90 12733+57
COUNTY: ROANOKE
REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/17/21
PROJECT NO.: 112IC07157
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PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-IJ89 (UNT TO BOTTOM CREEK)
S-IJ89 (UNT TO BOTTOM CREEK)

LAT./LONG. = S-IJ89 37.165862, -80.139317

S-IJ90 37.165685, -80.139378

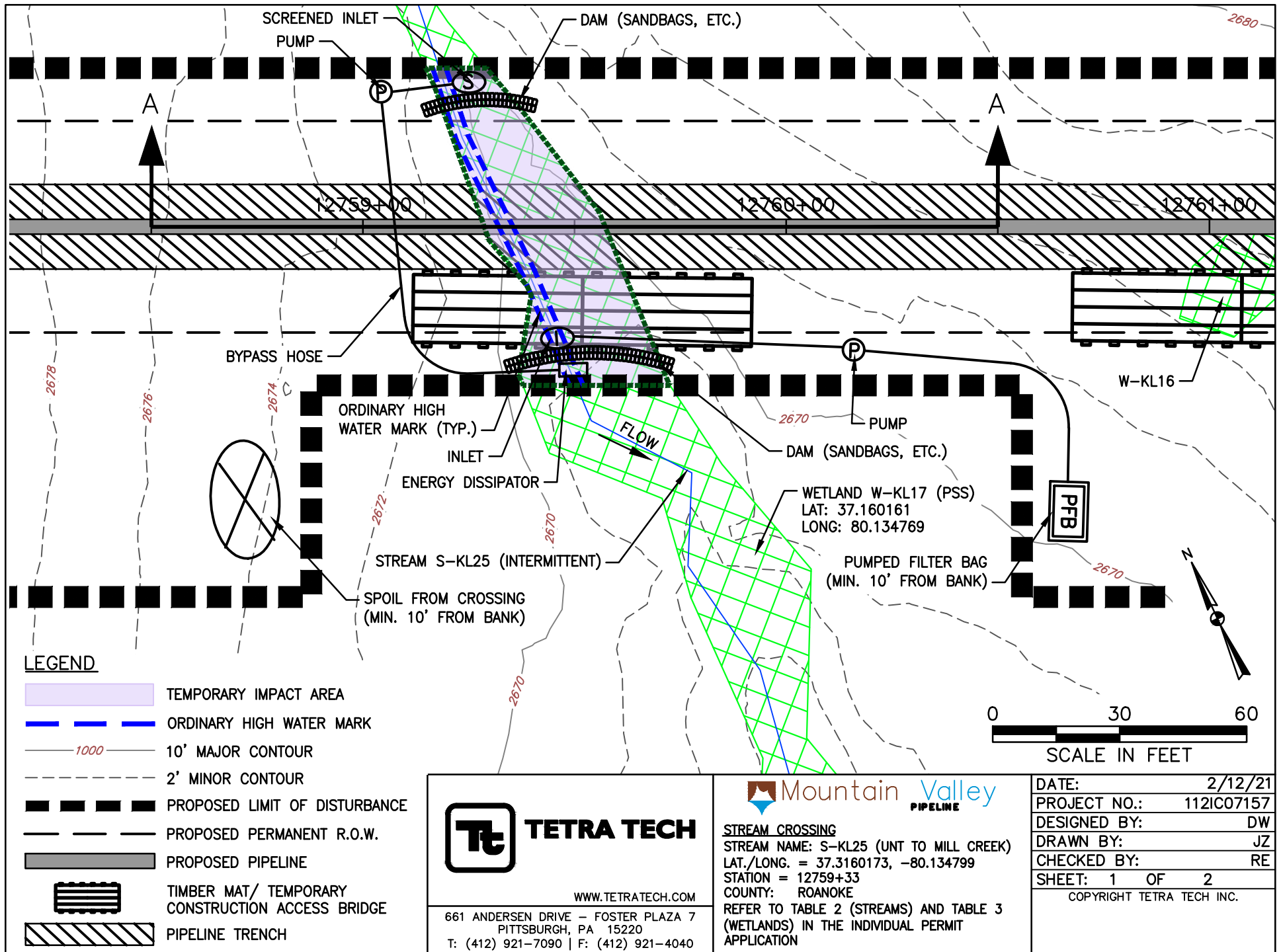
STATION = S-IJ89 12732+91; S-IJ90 12733+57

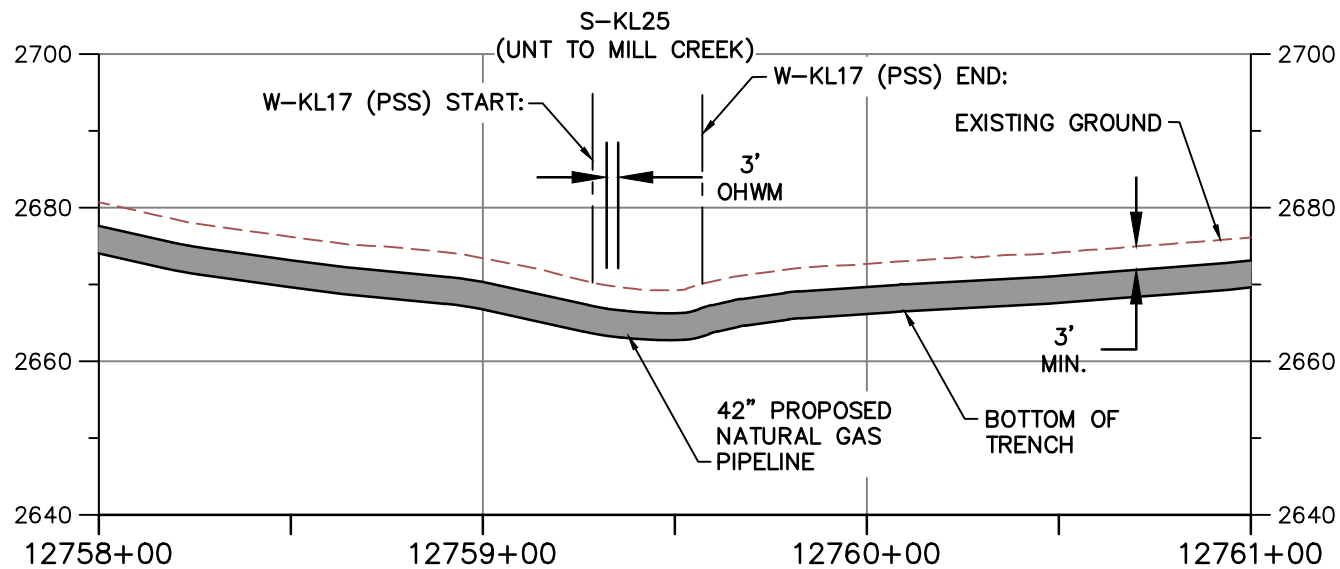
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

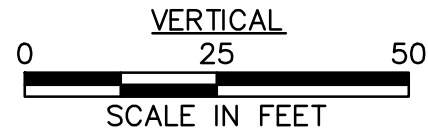
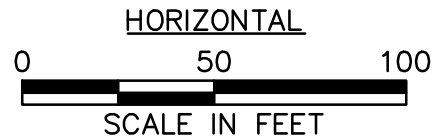
DATE:	2/17/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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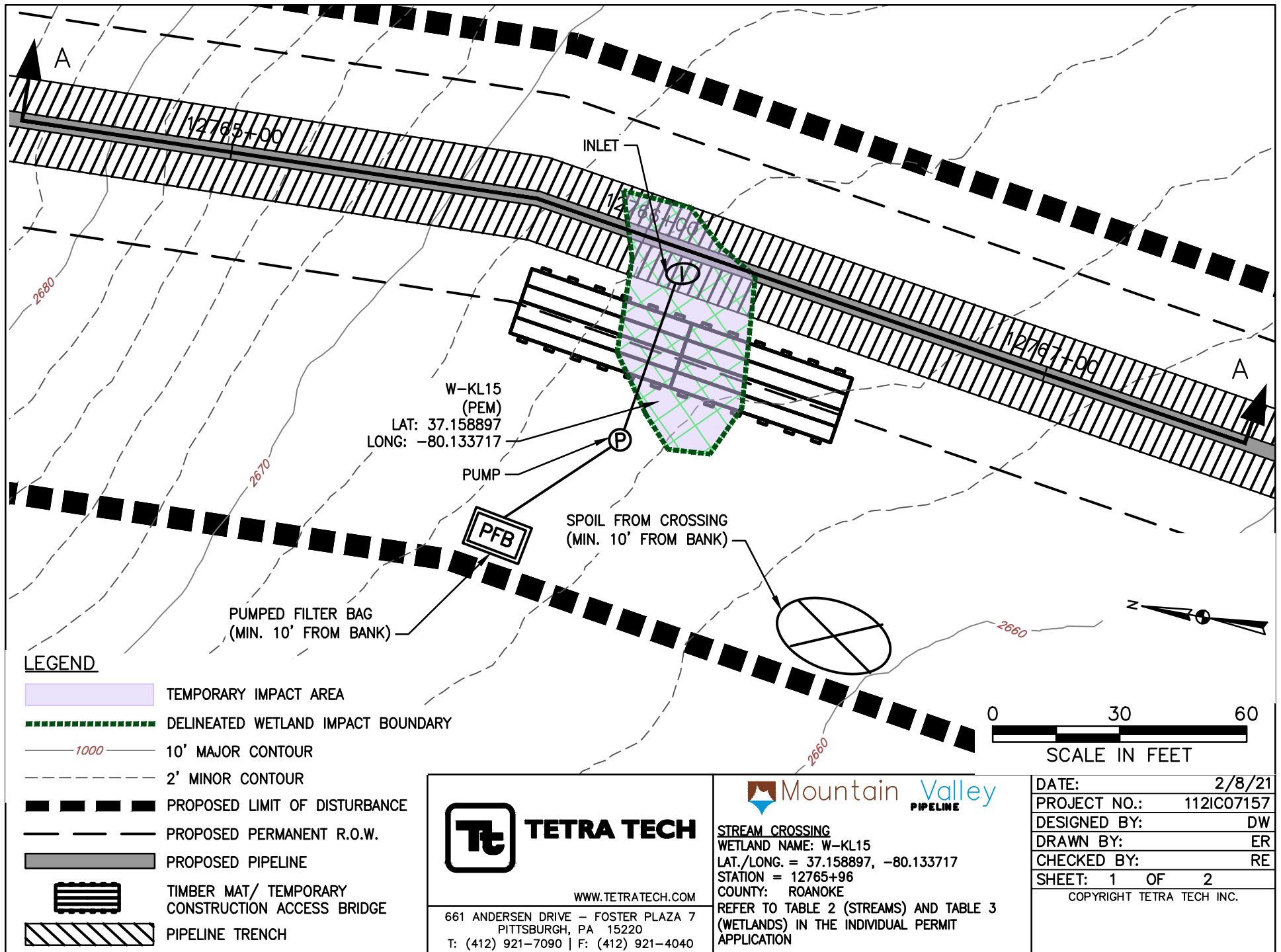


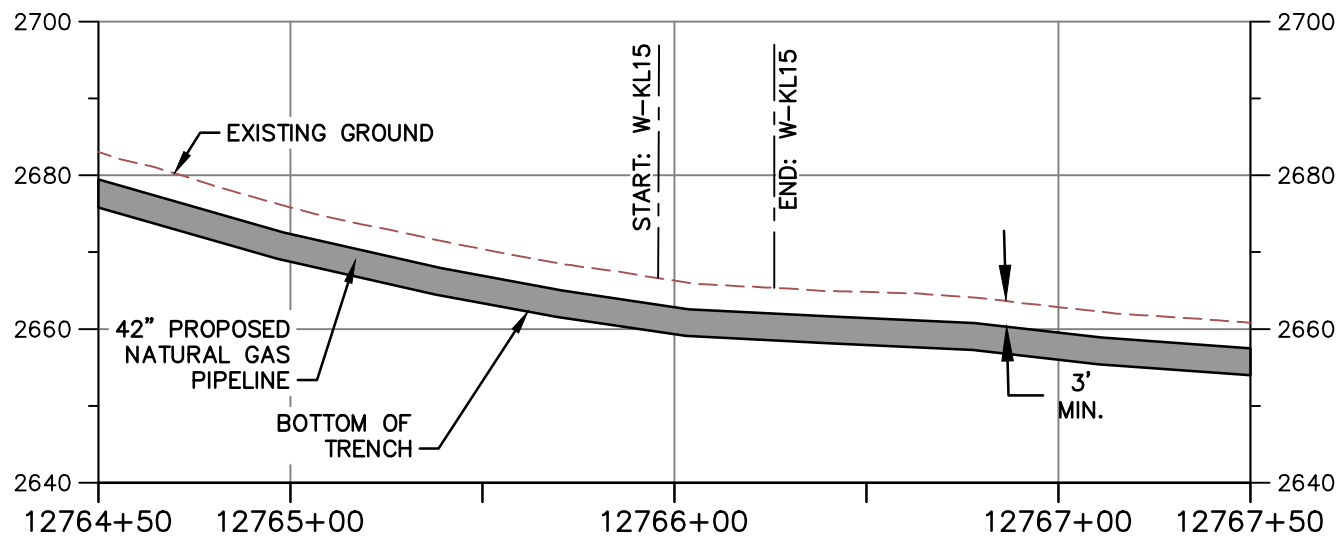
STREAM CROSSING

STREAM NAME: S-KL25 (UNT TO MILL CREEK)
LAT./LONG. = 37.3160173, -80.134799
STATION = 12759+33
COUNTY: ROANOKE
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	JZ
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SHEET: 2 OF 2	

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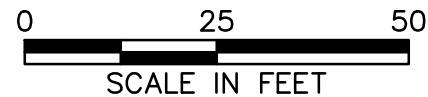




PROFILE A-A

HORIZONTAL

VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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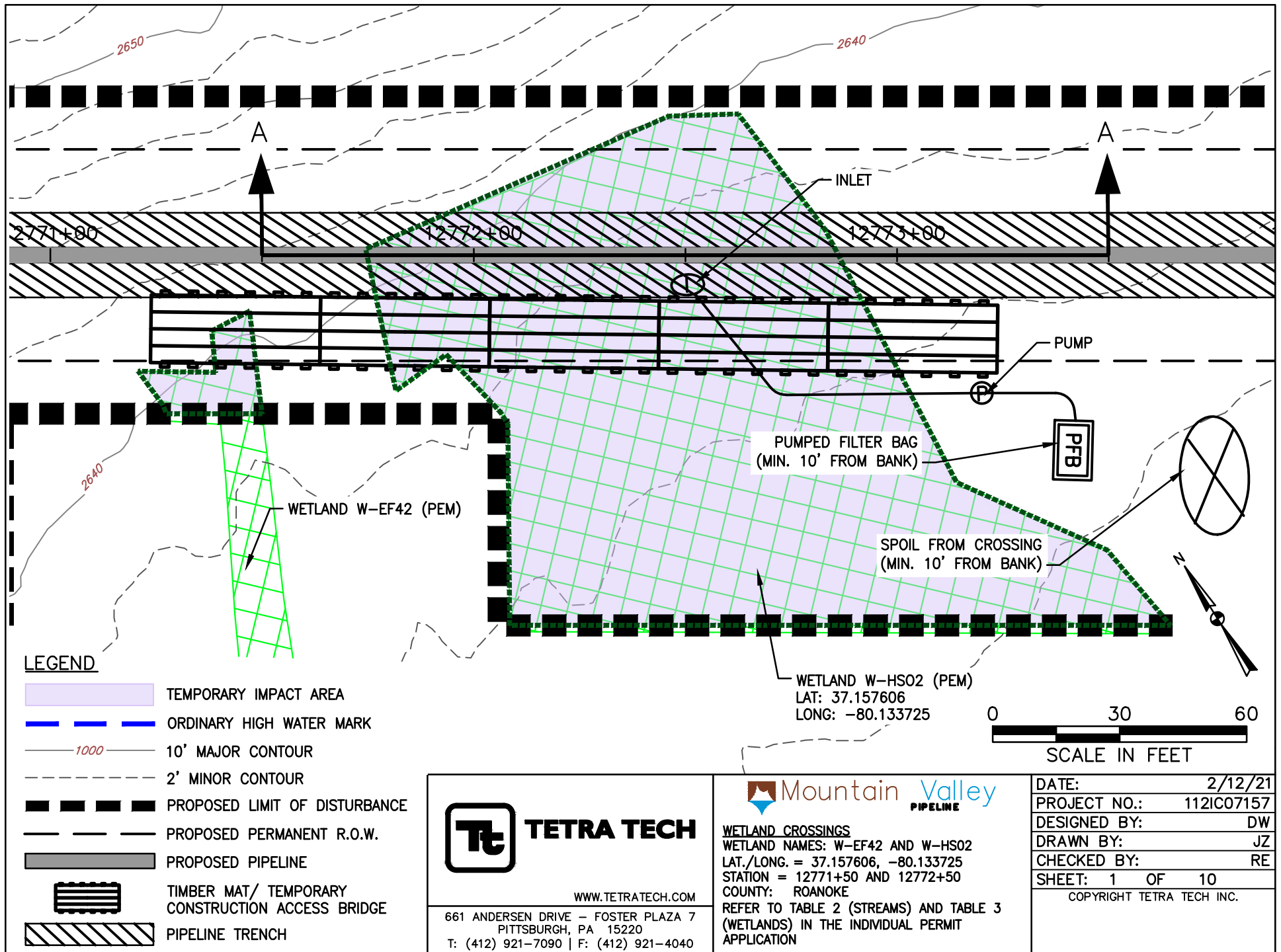


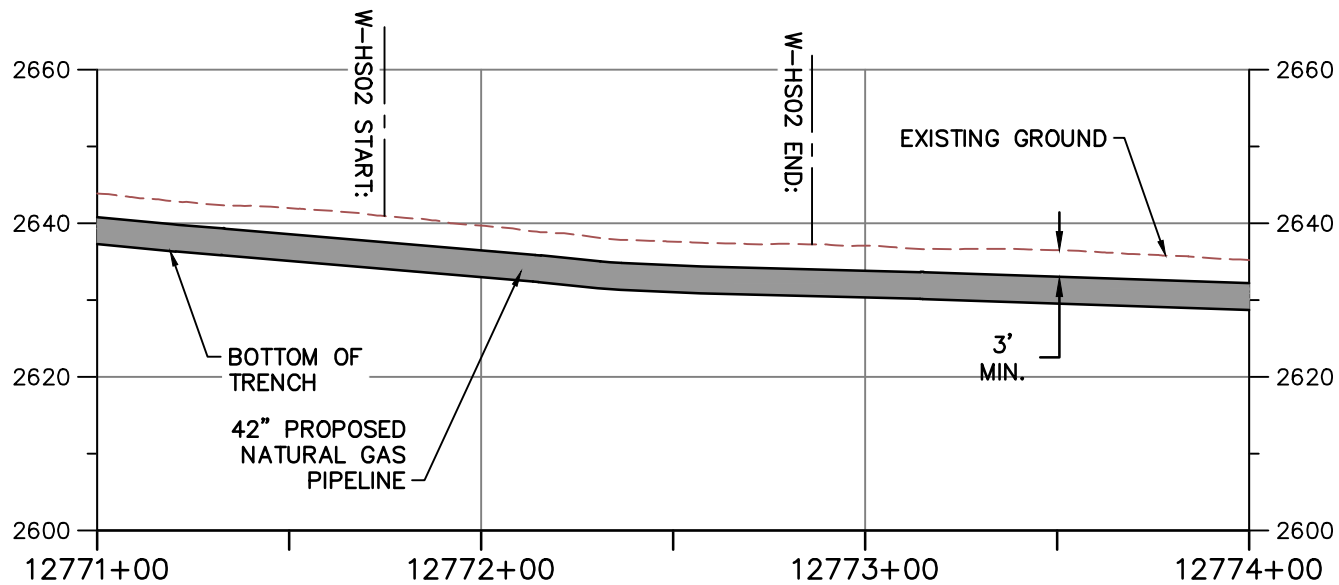
STREAM CROSSING

WETLAND NAME: W-KL15
LAT./LONG. = 37.158897, -80.133717
STATION = 12765+96
COUNTY: ROANOKE

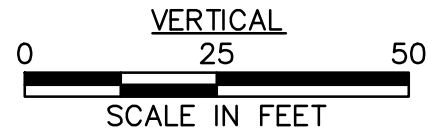
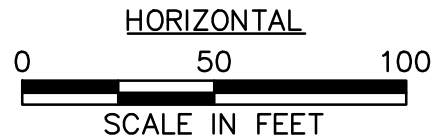
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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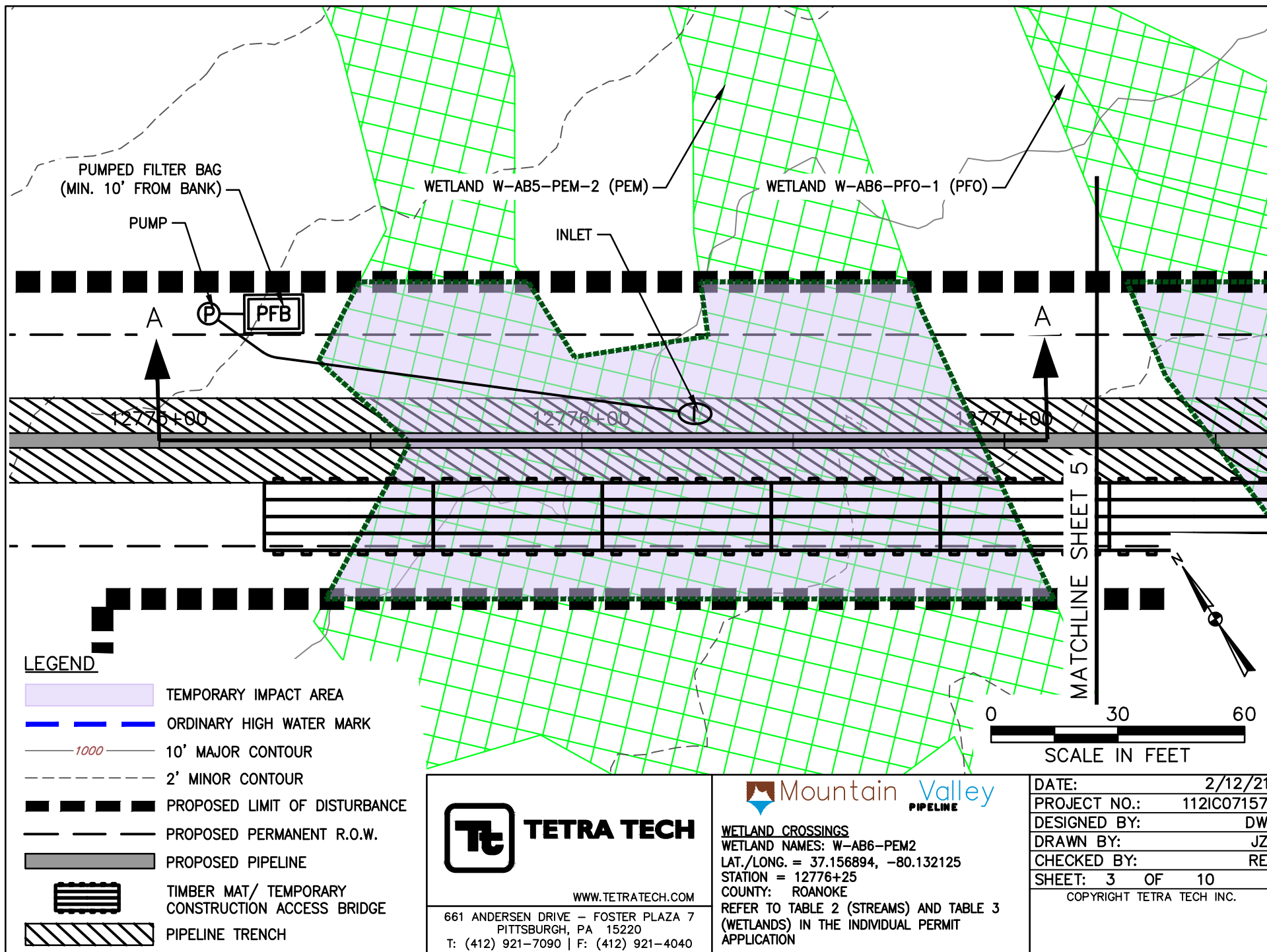
WETLAND CROSSINGS

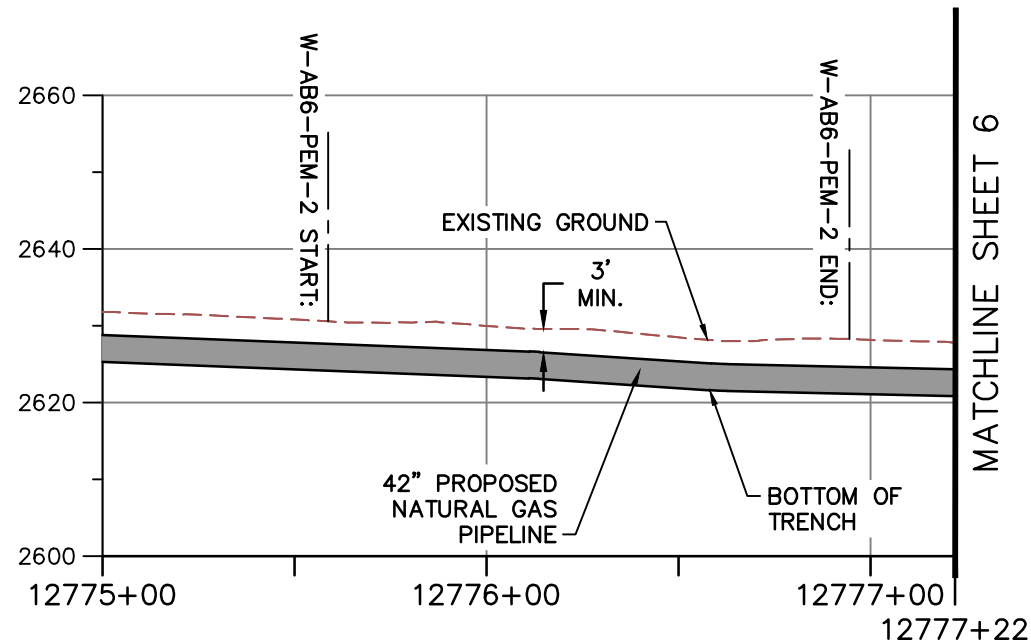
WETLAND NAMES: W-EF42 AND W-HS02
LAT./LONG. = 37.157606, -80.133725
STATION = 12771+50 AND 12772+50
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

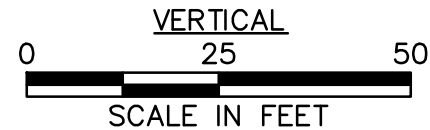
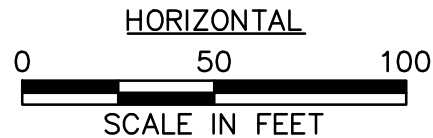
DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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SHEET:	2 OF 10

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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WETLAND CROSSINGS

WETLAND NAMES: W-AB6-PEM2

LAT./LONG. = 37.156894, -80.132125

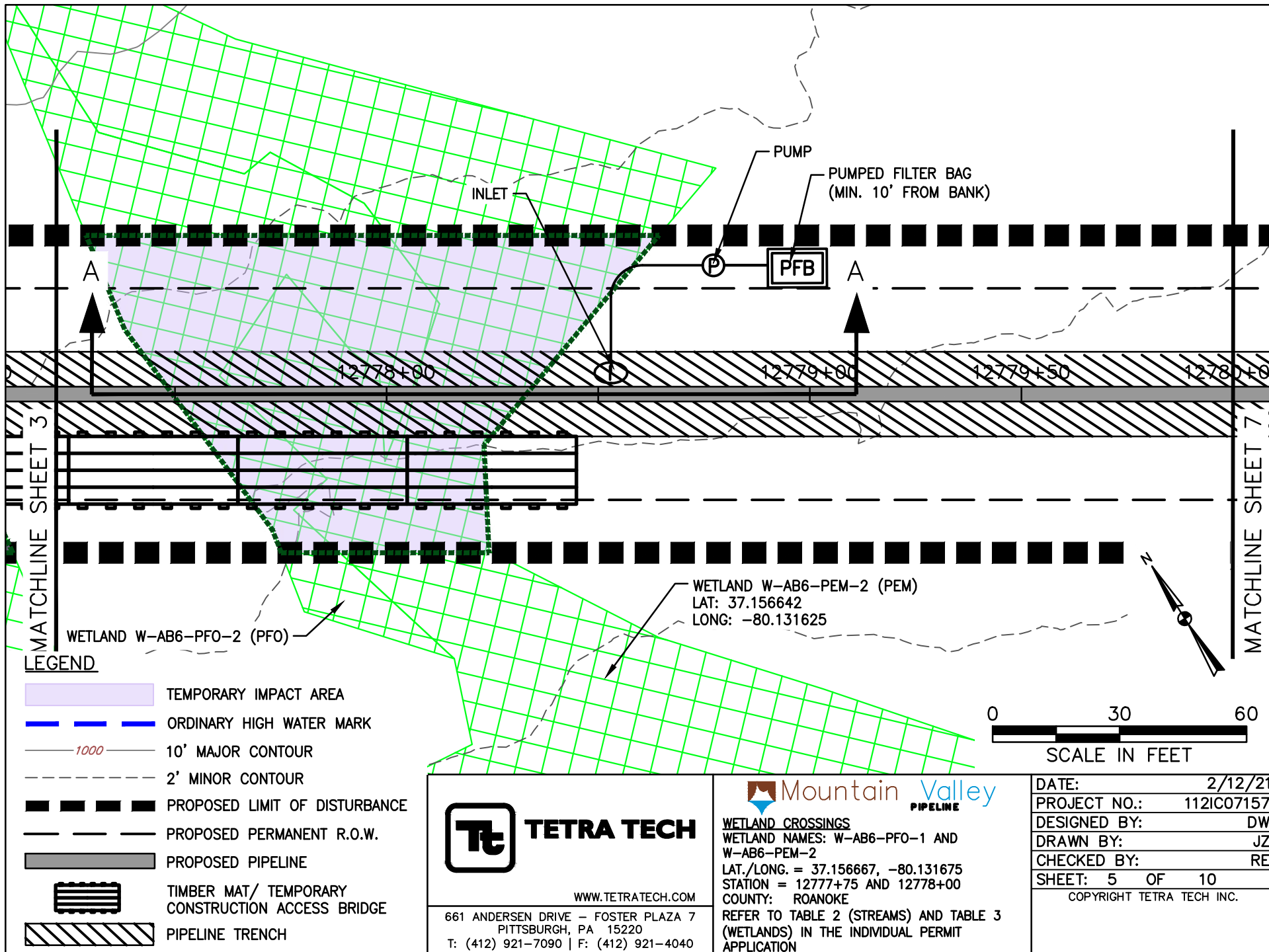
STATION = 12776+25

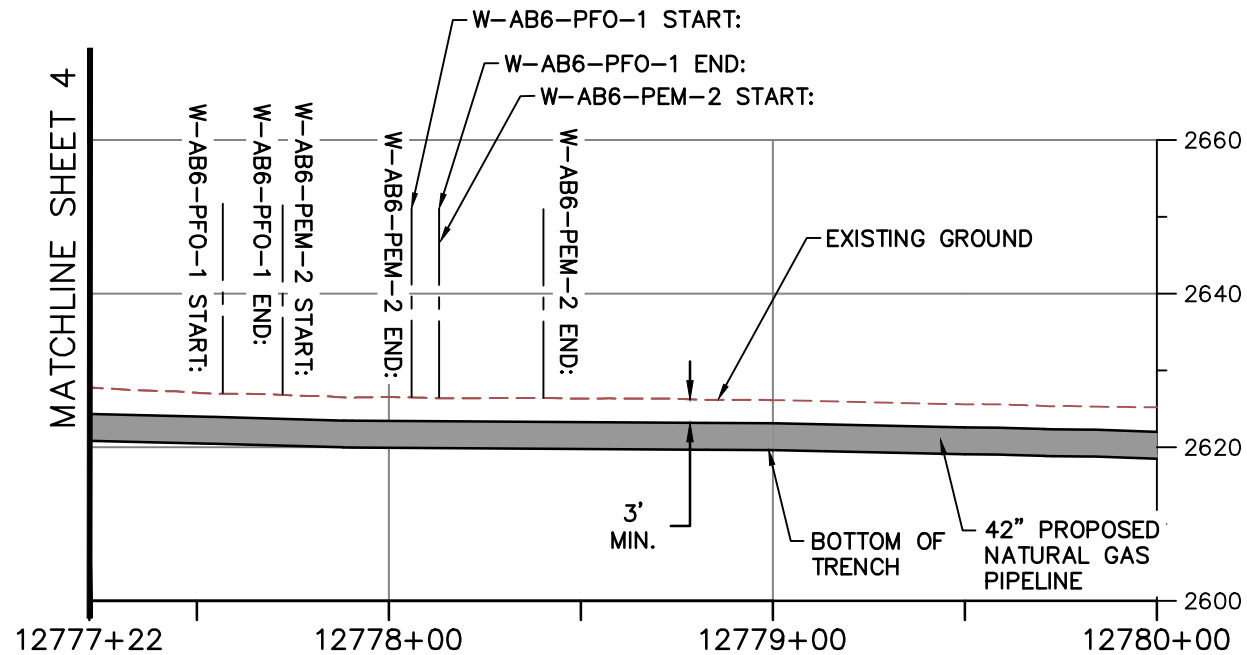
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

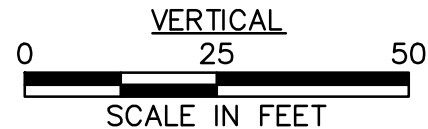
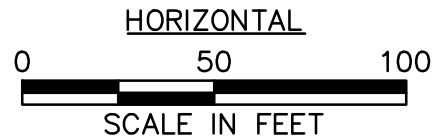
DATE:	2/12/21
PROJECT NO.:	112IC07157
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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WETLAND CROSSINGS

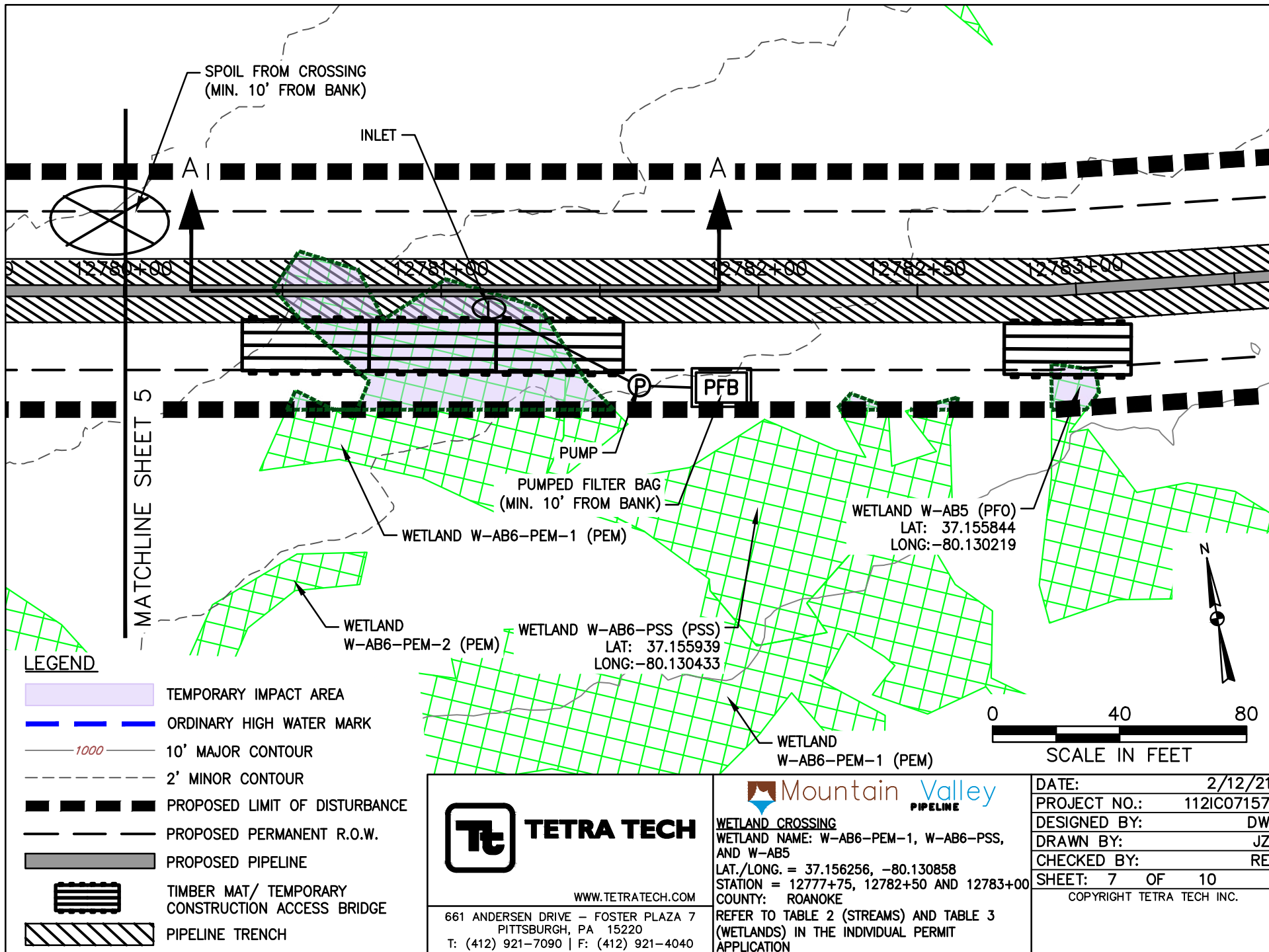
WETLAND NAMES: W-AB6-PFO-1 AND
W-AB6-PEM-2

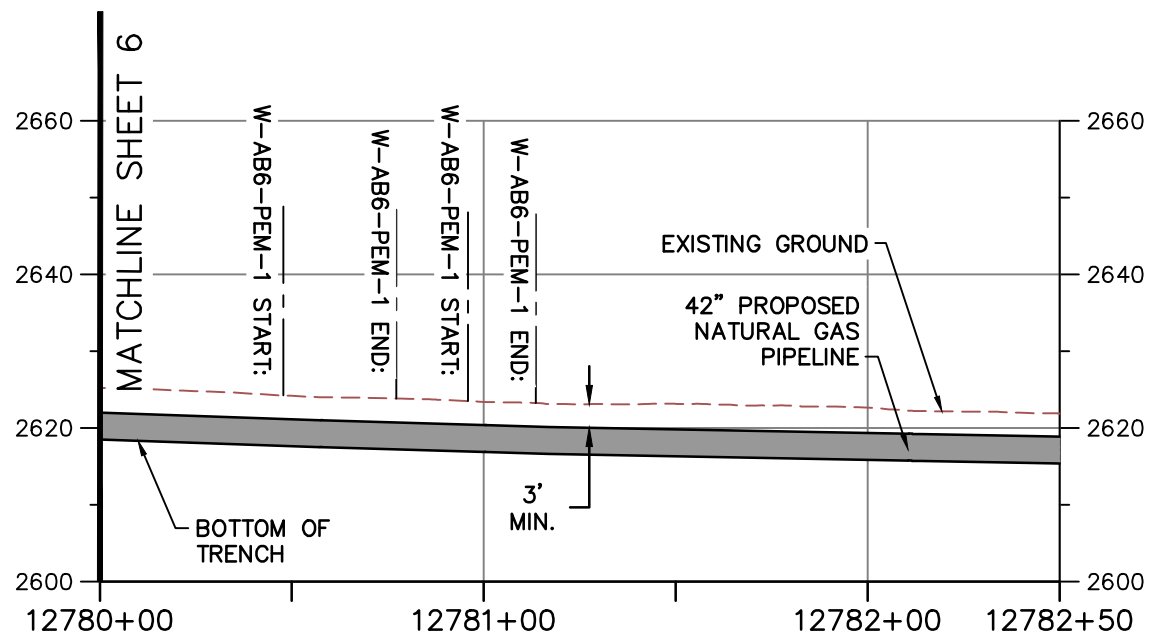
LAT./LONG. = 37.156667, -80.131675
STATION = 12777+75 AND 12778+00
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

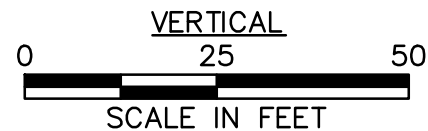
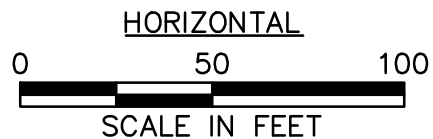
DATE:	2/8/21
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SHEET:	6 OF 10

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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WETLAND CROSSING

WETLAND NAME: W-AB6-PEM-1, W-AB6-PSS,
AND W-AB5

LAT./LONG. = 37.156256, -80.130858

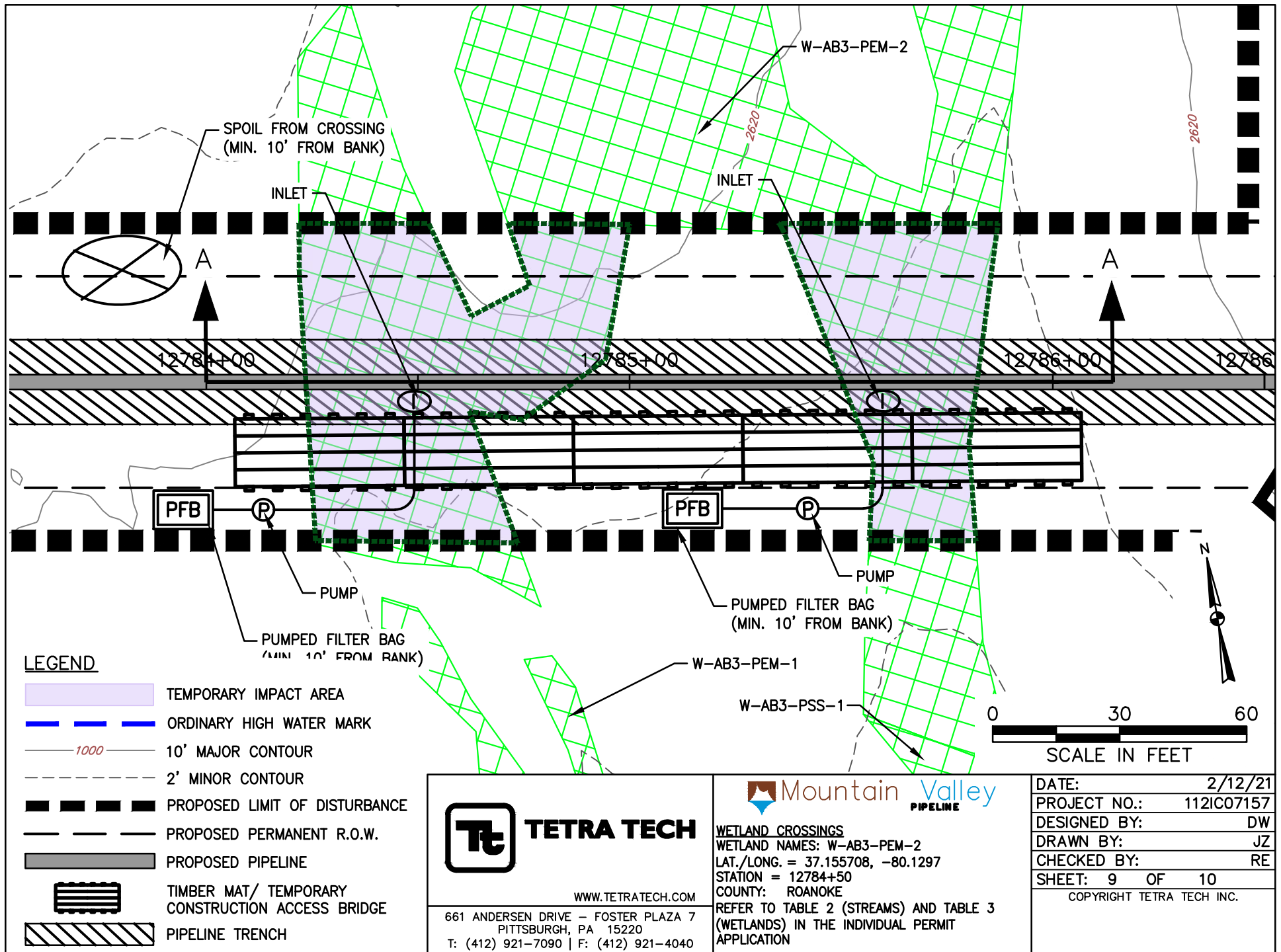
STATION = 12777+75, 12782+50 AND 12783+00

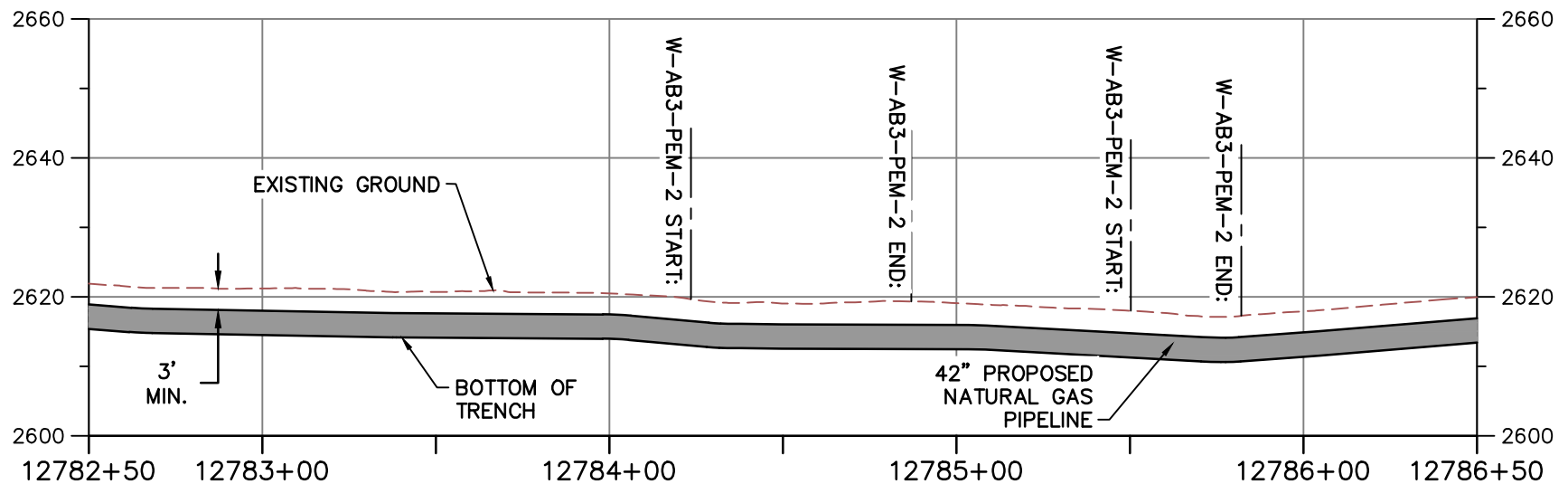
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

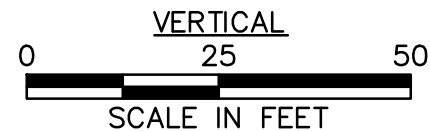
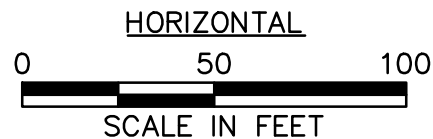
DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	JZ
CHECKED BY:	RE
SHEET:	8 OF 10

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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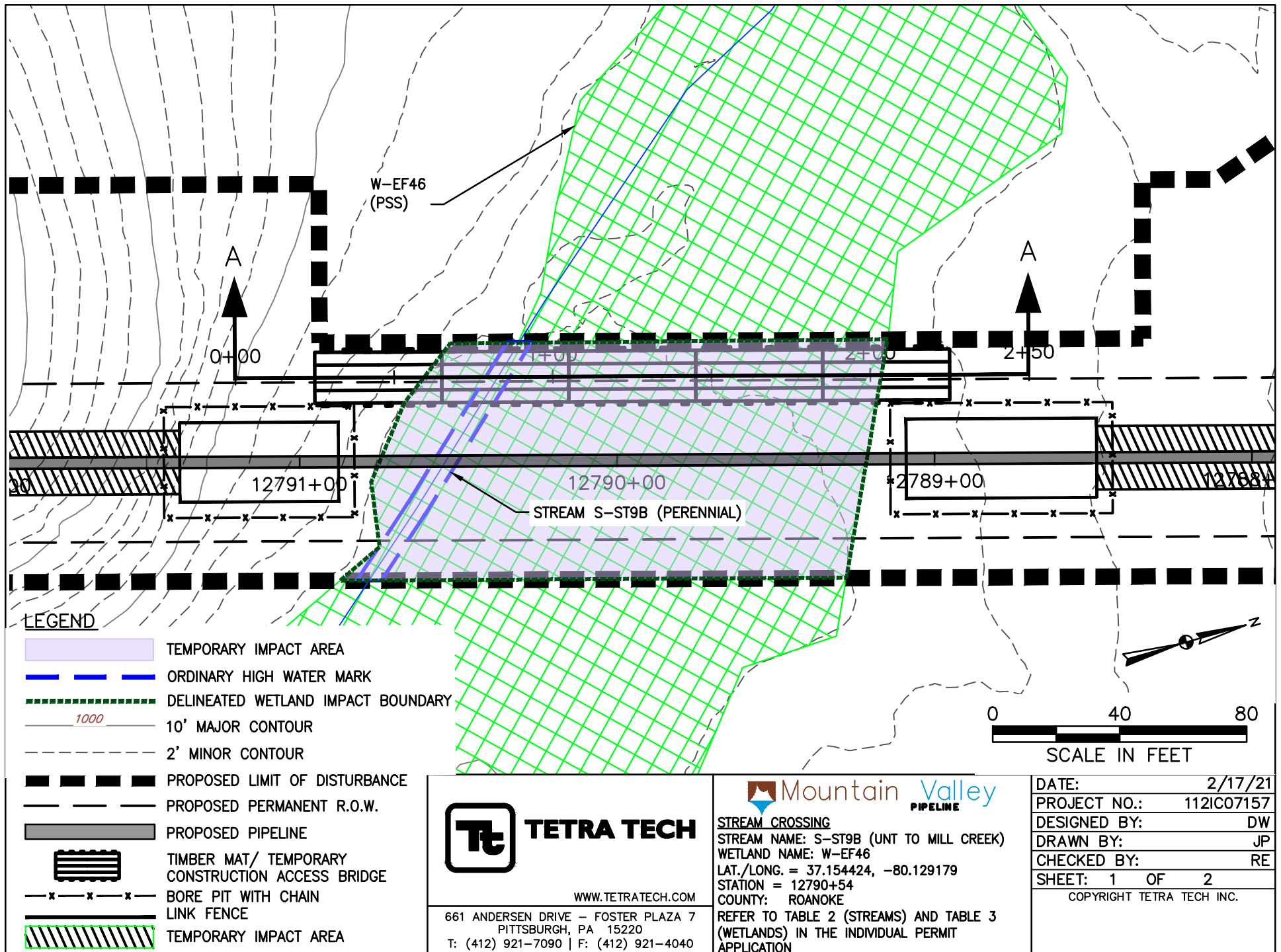
WETLAND CROSSINGS

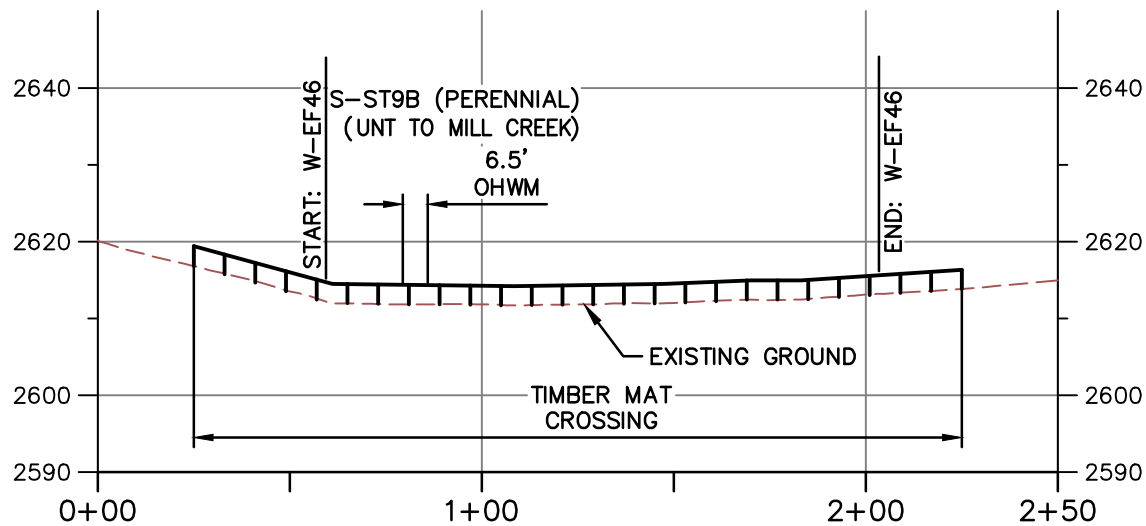
WETLAND NAMES: W-AB3-PEM-2
LAT./LONG. = 37.155708, -80.1297
STATION = 12784+50
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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SHEET:	10 OF 10

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PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-ST9B (UNT TO MILL CREEK)

WETLAND NAME: W-EF46

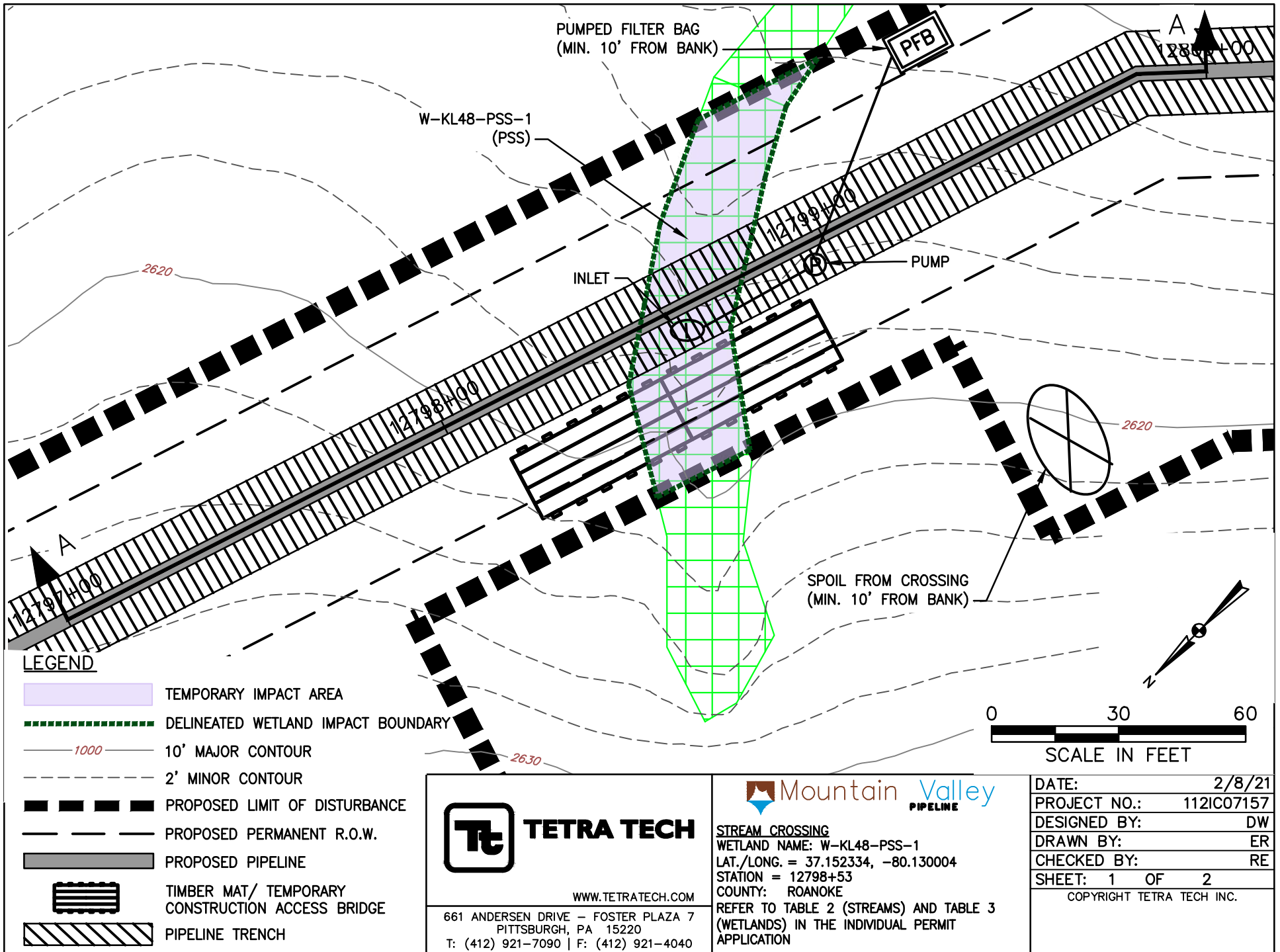
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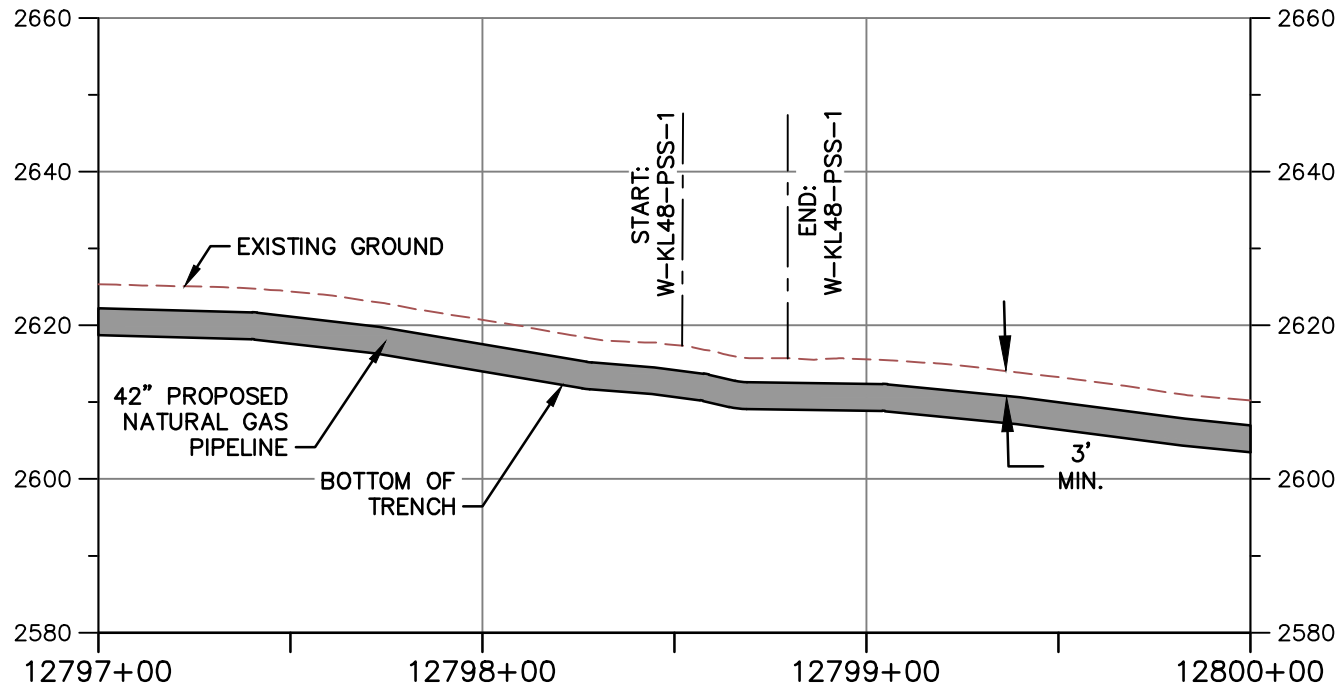
STATION = 12790+54

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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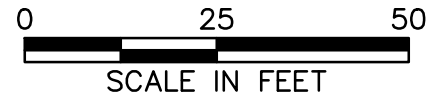




PROFILE A-A

HORIZONTAL

VERTICAL



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STREAM CROSSING

WETLAND NAME: W-KL48-PSS-1

LAT./LONG. = 37.152334, -80.130004

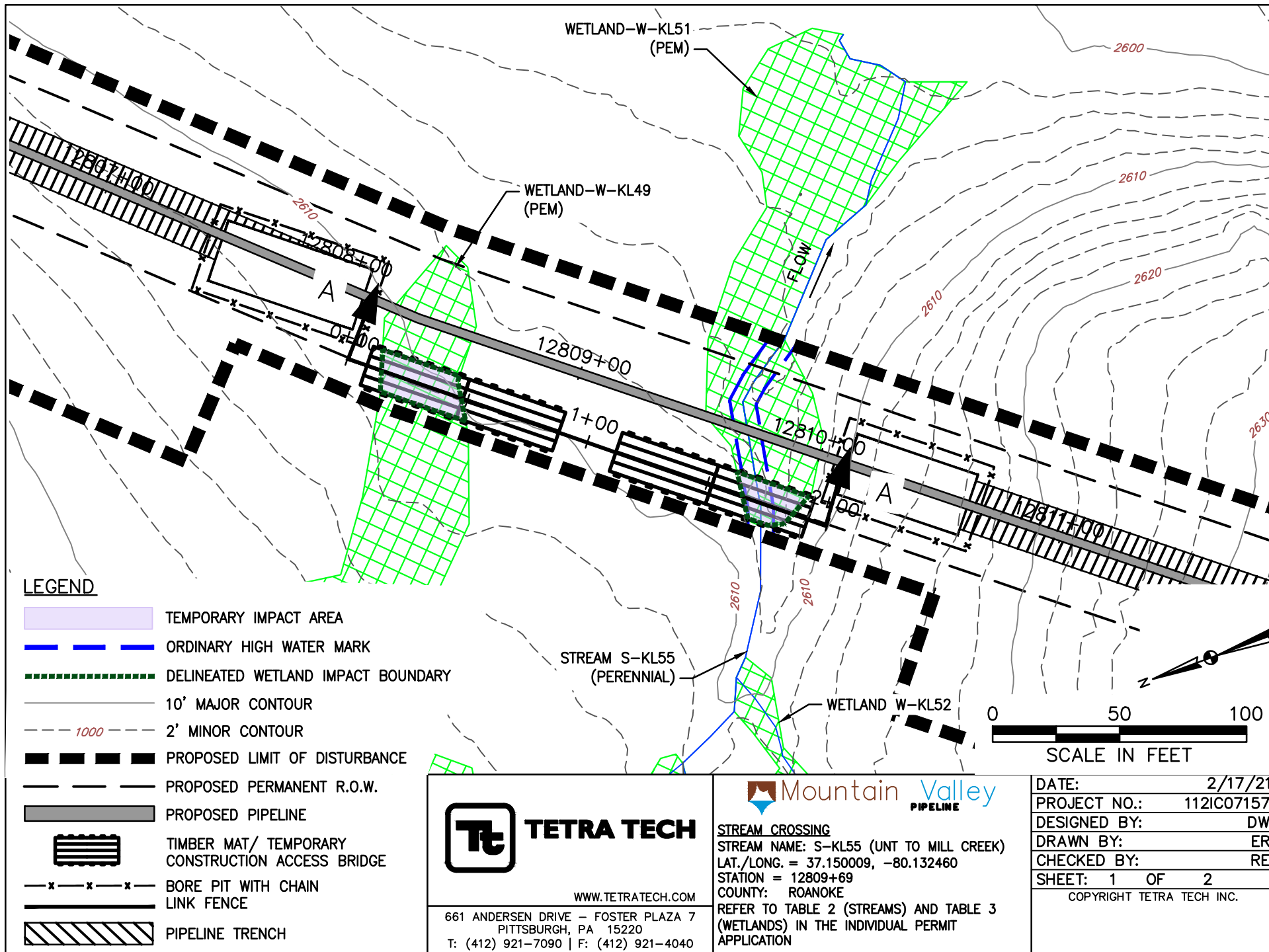
STATION = 12798+53

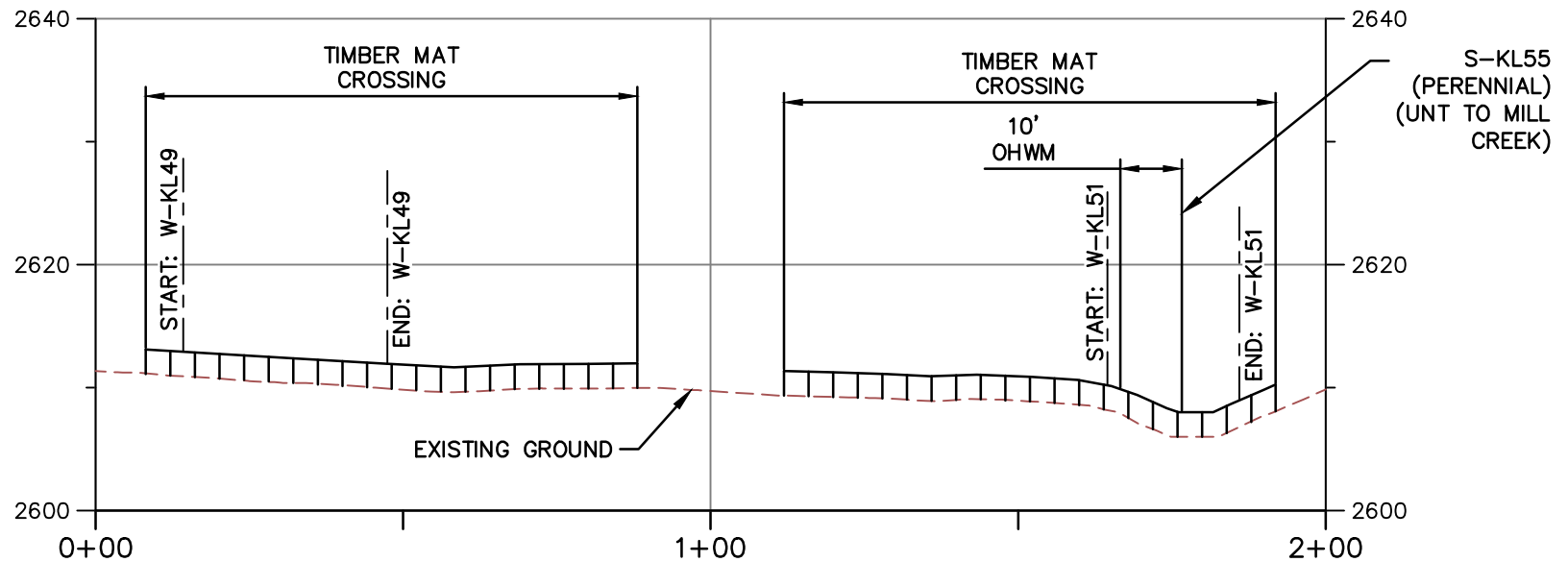
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM CROSSING

STREAM NAME: S-KL55 (UNT TO MILL CREEK)

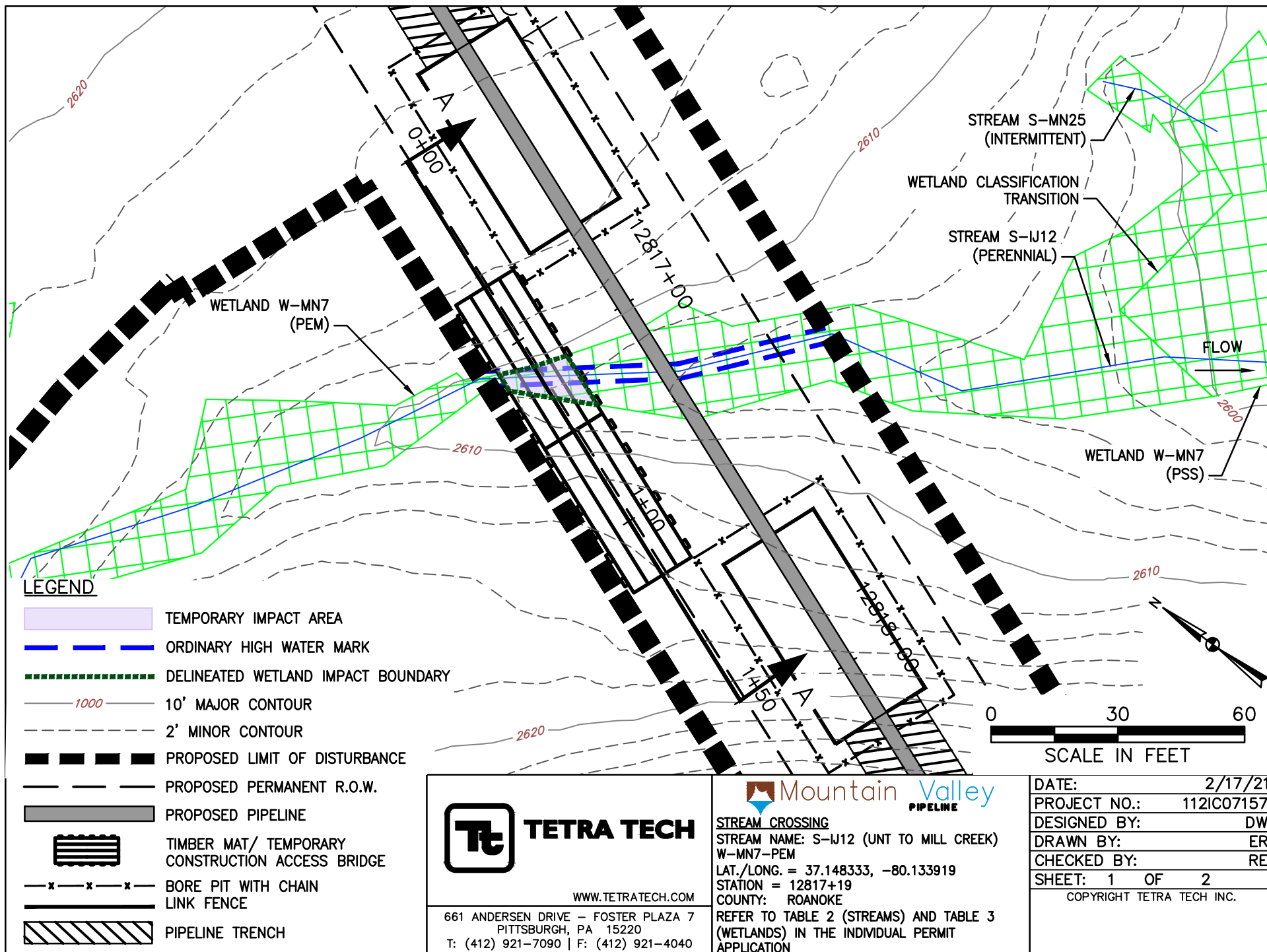
LAT./LONG. = 37.150009, -80.132460

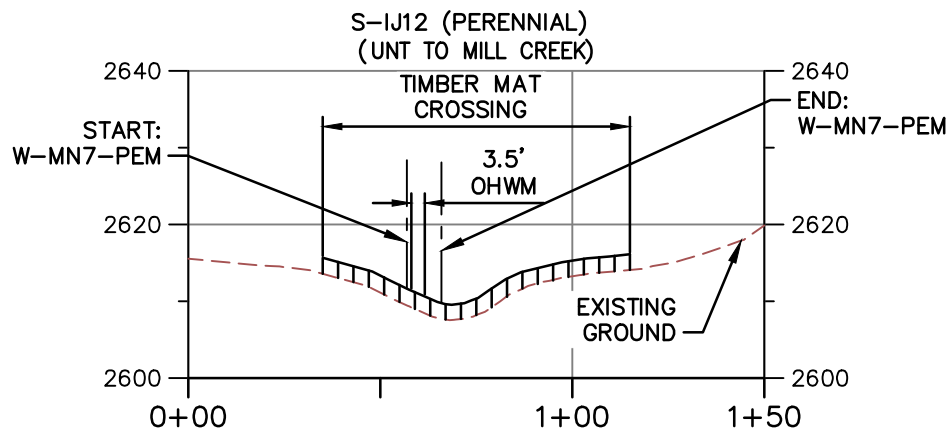
STATION = 12809+69

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

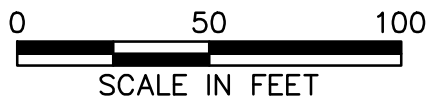
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PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM CROSSING

STREAM NAME: S-IJ12 (UNT TO MILL CREEK)
W-MN7-PEM

LAT./LONG. = 37.148333, -80.133919

STATION = 12817+19

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/17/21

PROJECT NO.: 112IC07157

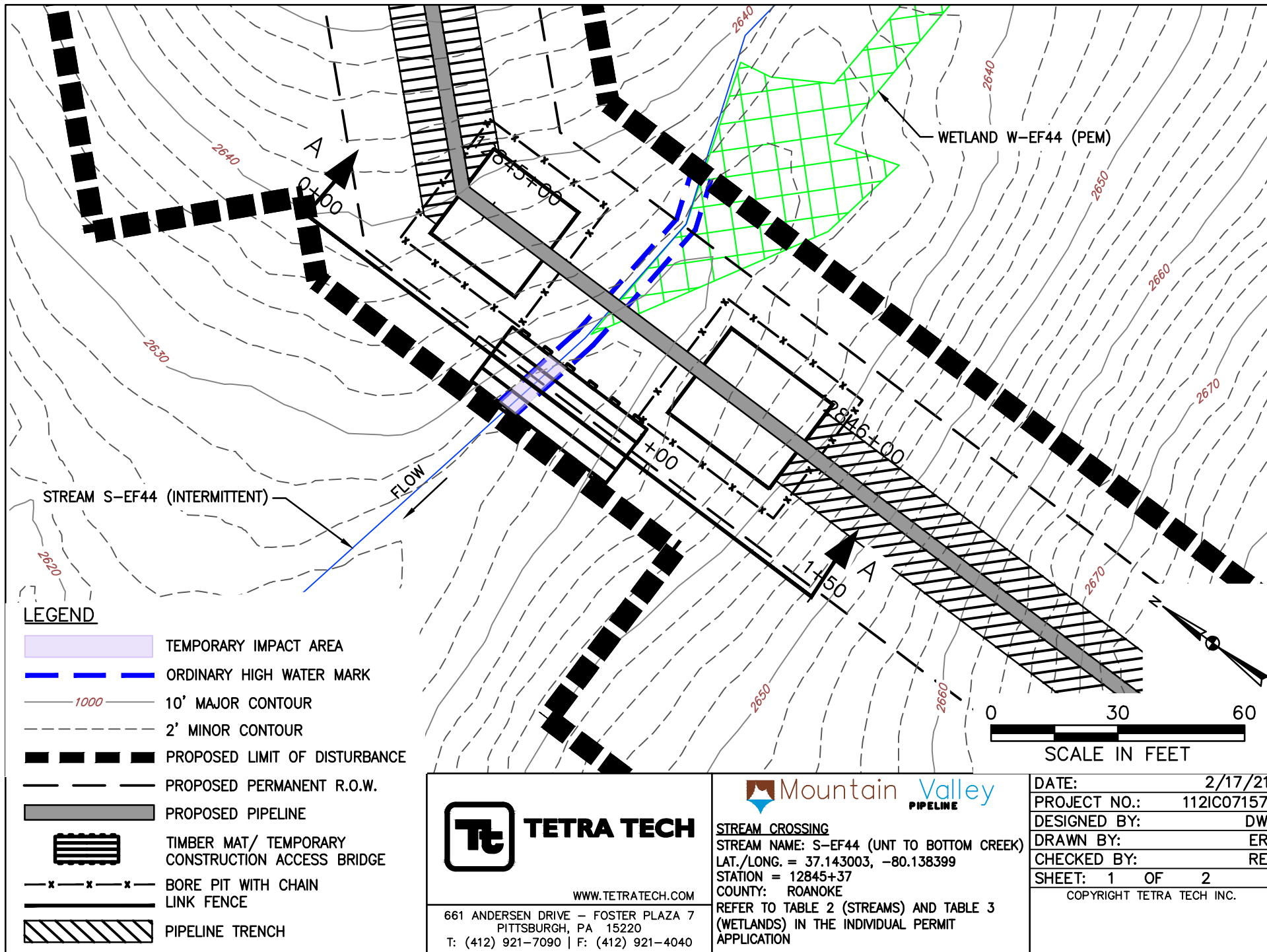
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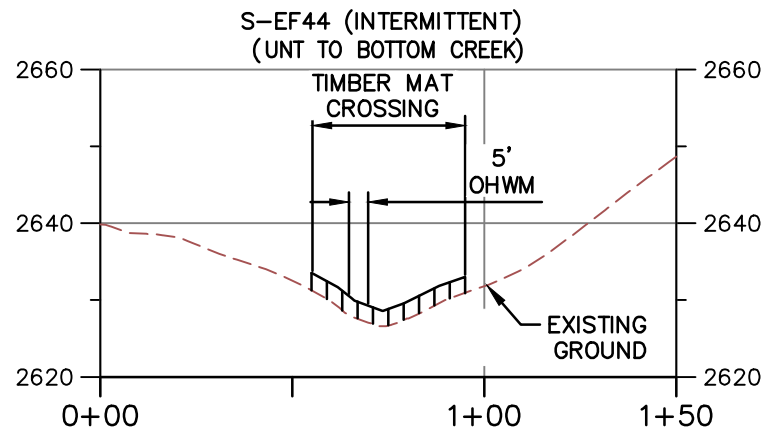
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PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

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STREAM CROSSING

STREAM NAME: S-EF44 (UNT TO BOTTOM CREEK)

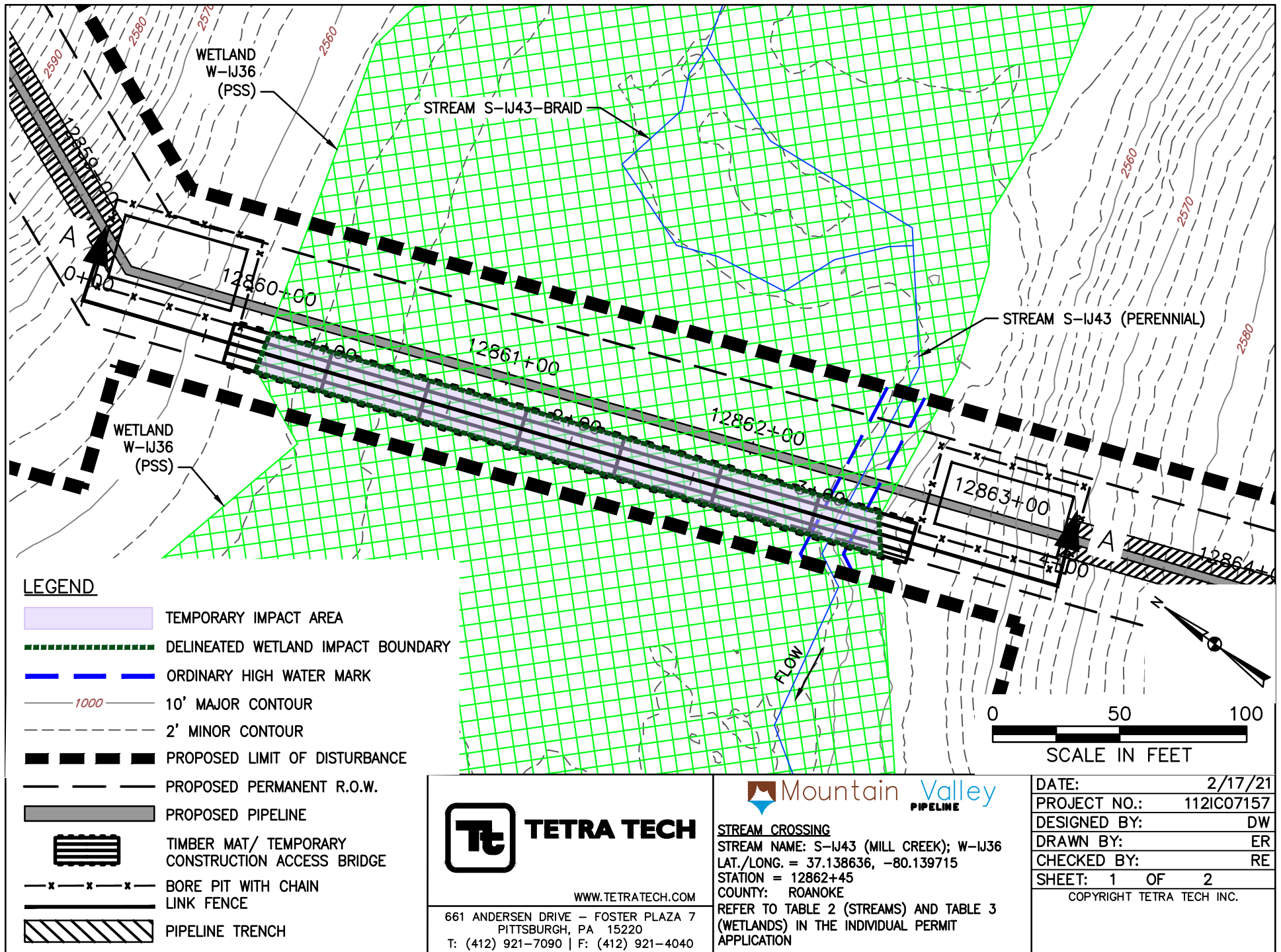
LAT./LONG. = 37.143003, -80.138399

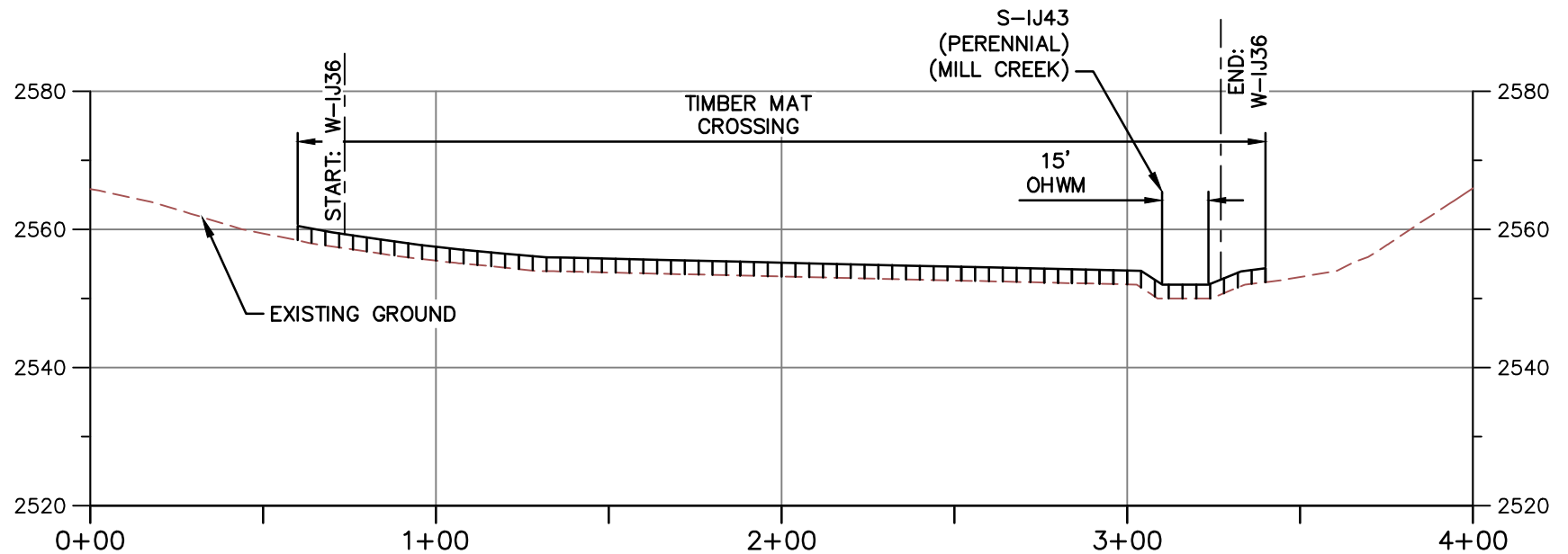
STATION = 12845+37

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

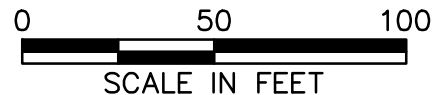
DATE:	2/17/21
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PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM CROSSING

STREAM NAME: S-IJ43 (MILL CREEK); W-IJ36

LAT./LONG. = 37.138636, -80.139715

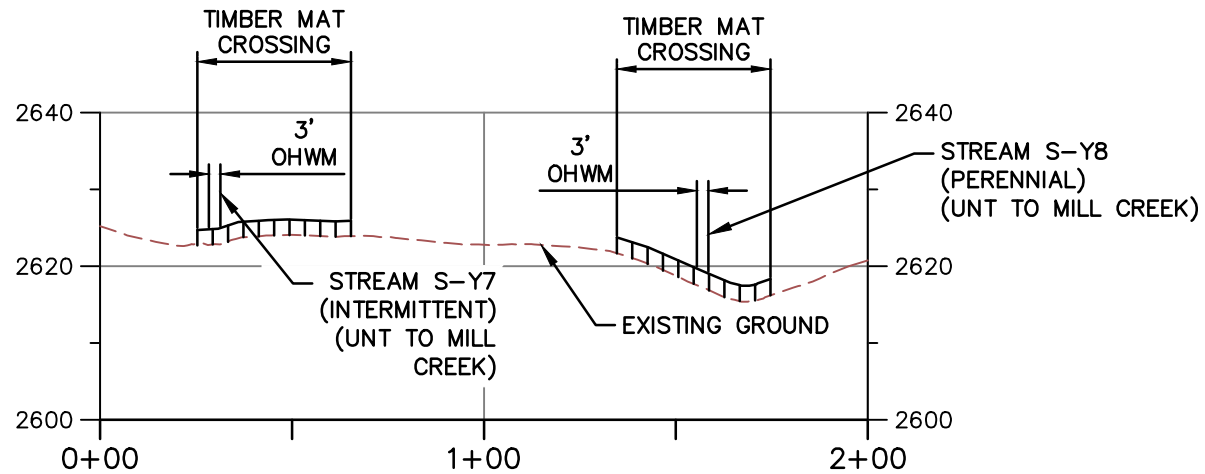
STATION = 12862+45

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A

HORIZONTAL



VERTICAL



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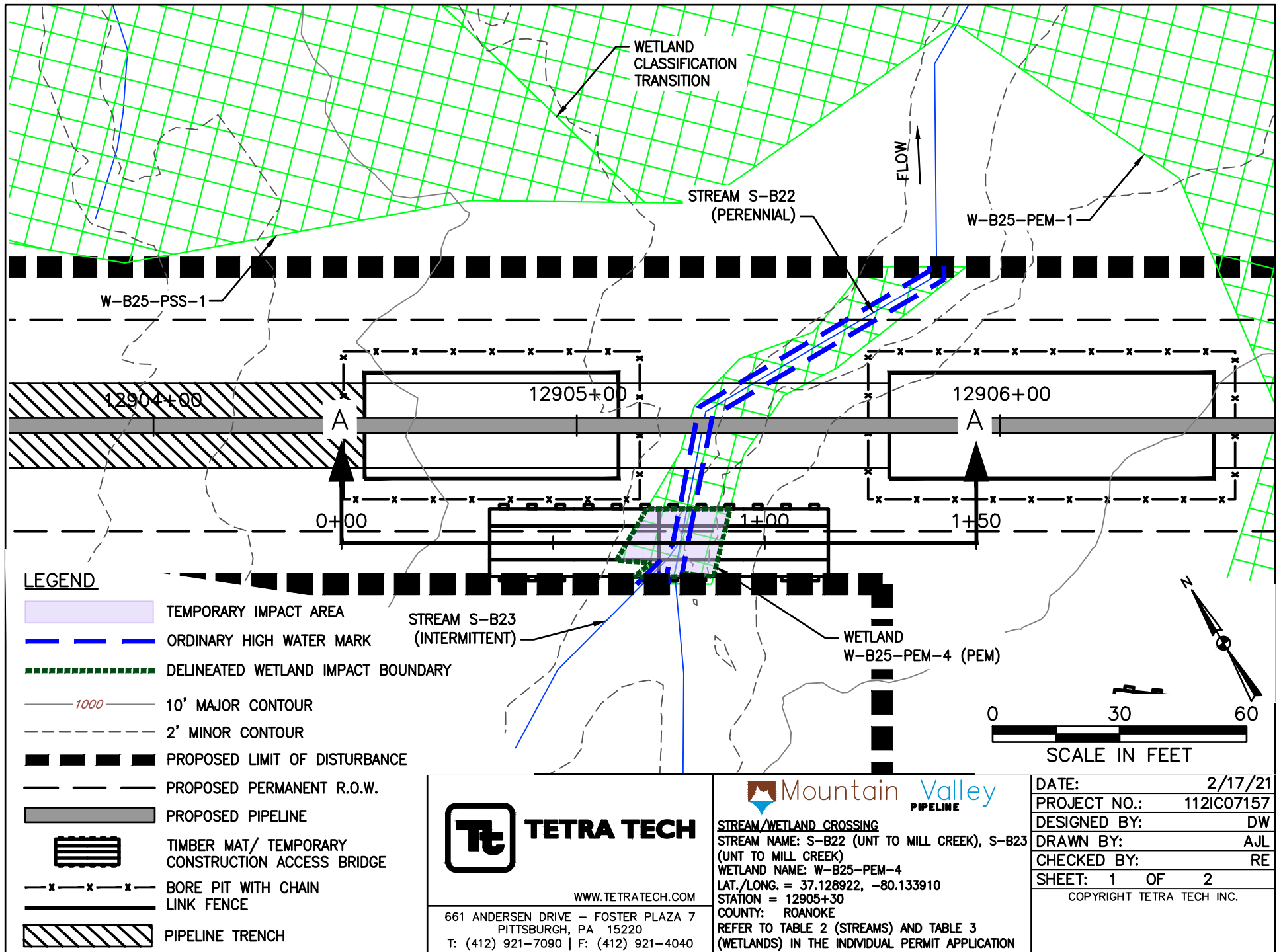


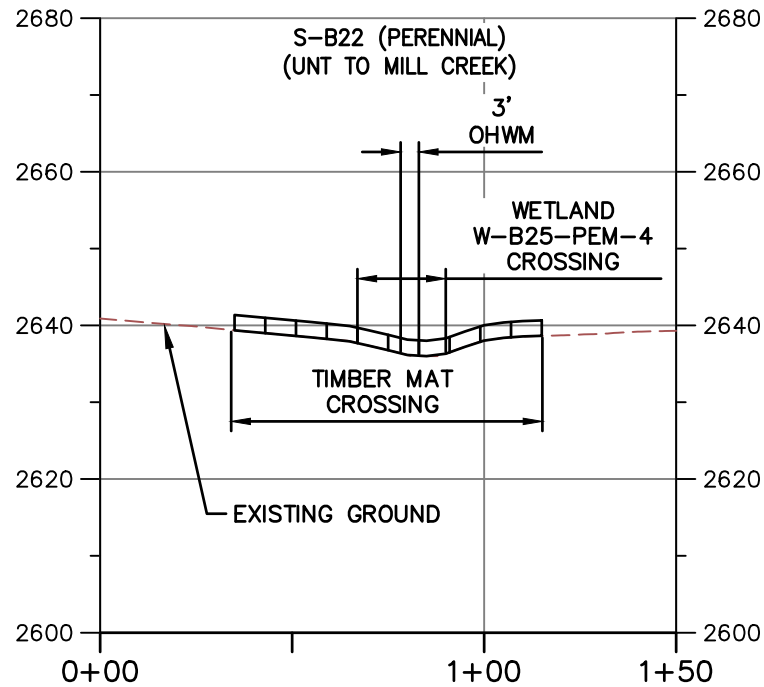
STREAM CROSSING

STREAM NAME: S-Y7 (UNT TO MILL CREEK)
S-Y8 (UNT TO MILL CREEK)
LAT./LONG. = S-Y7 37.134481, -80.137622
S-Y8 37.134176, -80.137484
STATION = S-Y7 12879+08 ; S-Y8 12879+99
COUNTY: ROANOKE
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.: 112IC07157
DESIGNED BY: DW
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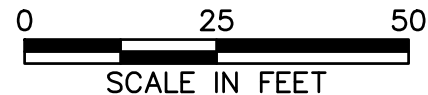


PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM/WETLAND CROSSING

STREAM NAME: S-B22 (UNT TO MILL CREEK), S-B23 (UNT TO MILL CREEK)

WETLAND NAME: W-B25-PEM-4

LAT./LONG. = 37.128922, -80.133910

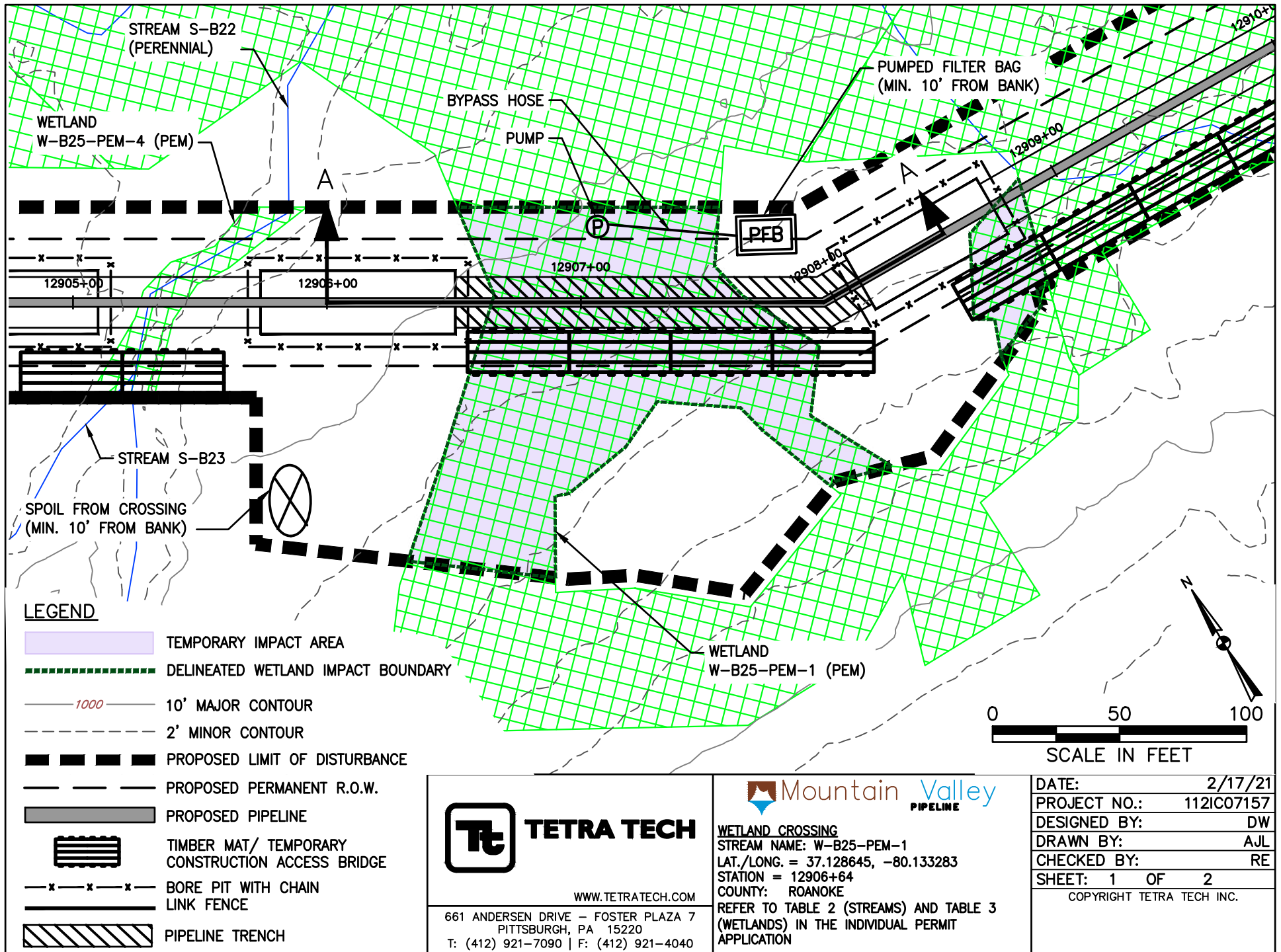
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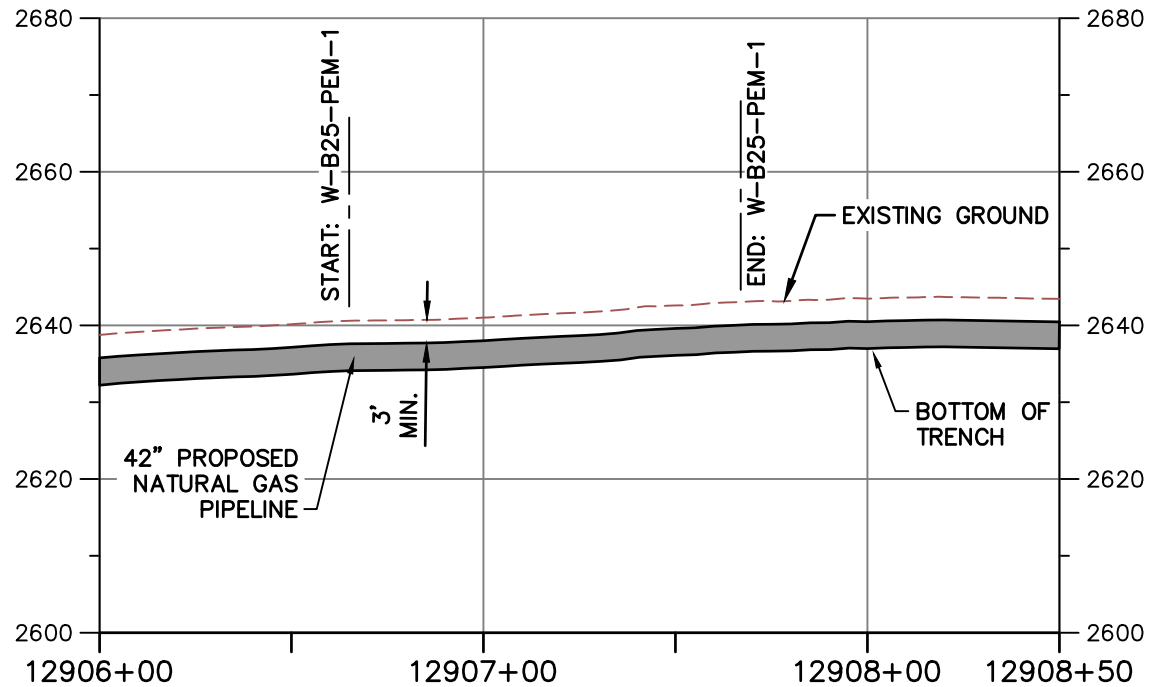
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/17/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	AJL
CHECKED BY:	RE
SHEET:	2 OF 2

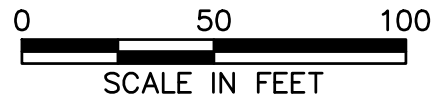
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PROFILE A-A

HORIZONTAL



VERTICAL



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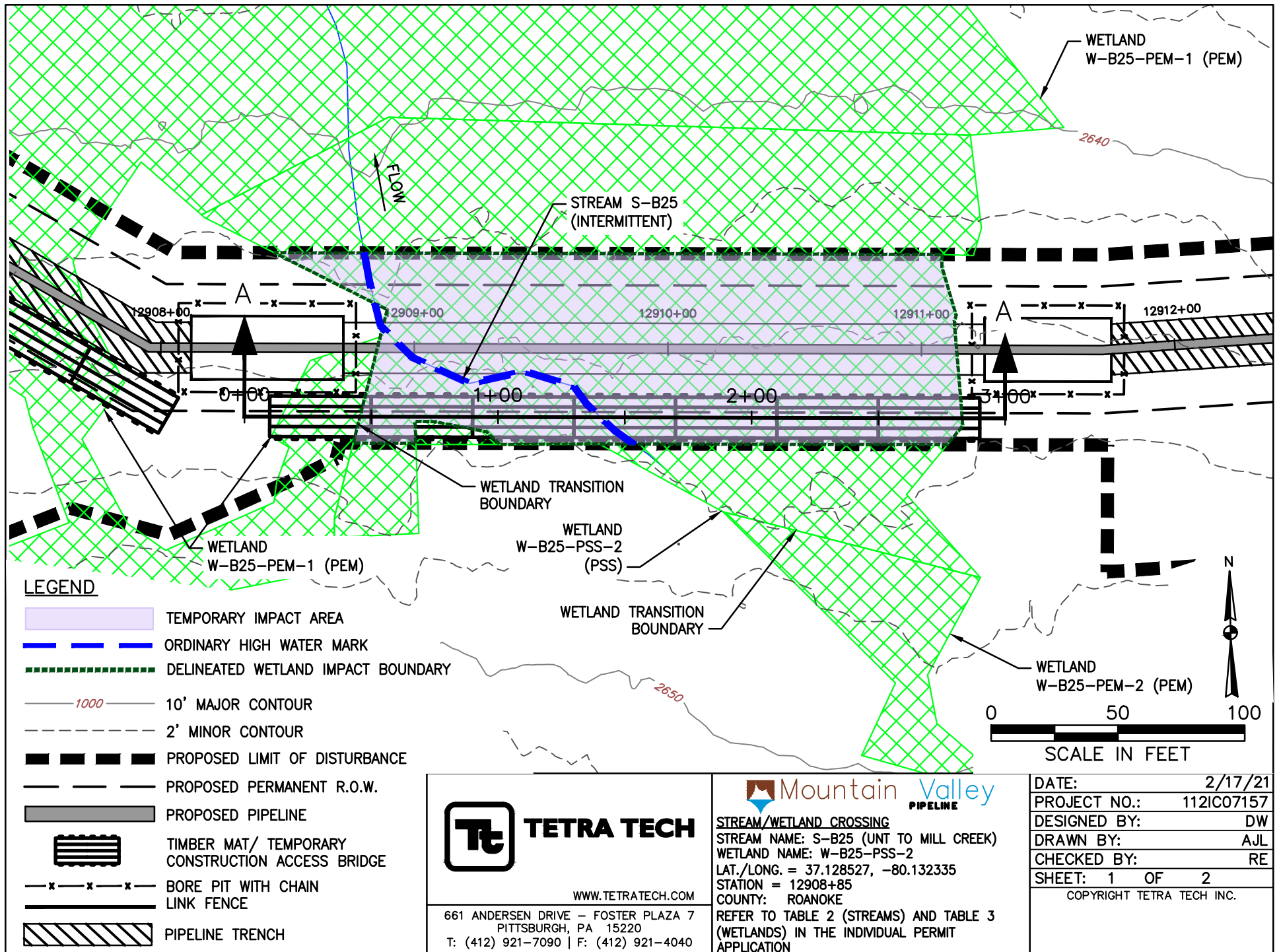


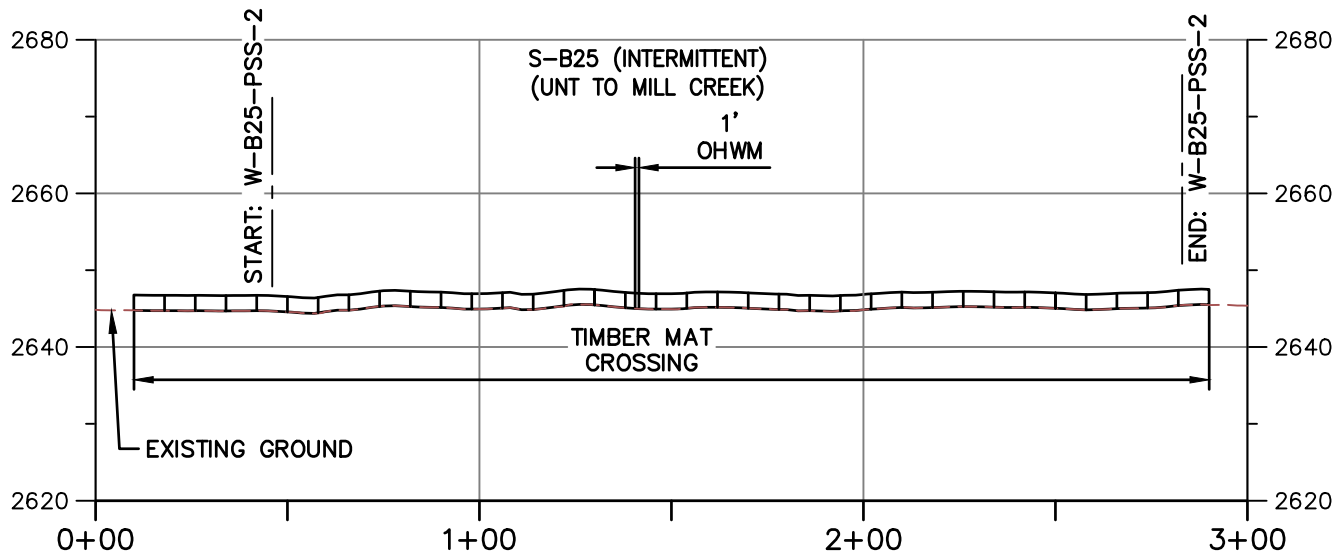
WETLAND CROSSING

STREAM NAME: W-B25-PEM-1
LAT./LONG. = 37.128645, -80.133283
STATION = 12906+64
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM/WETLAND CROSSING

STREAM NAME: S-B25 (UNT TO MILL CREEK)

WETLAND NAME: W-B25-PSS-2

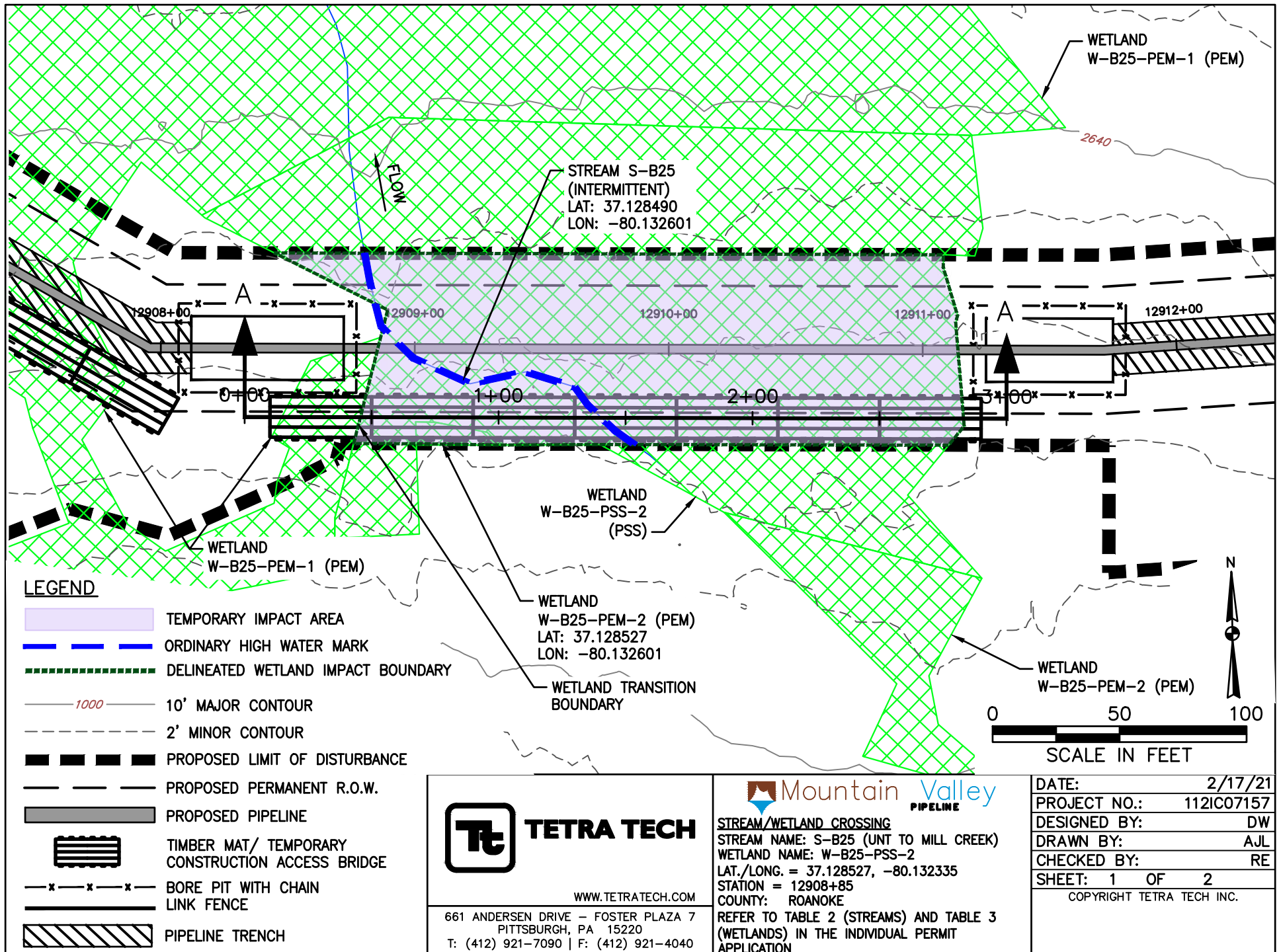
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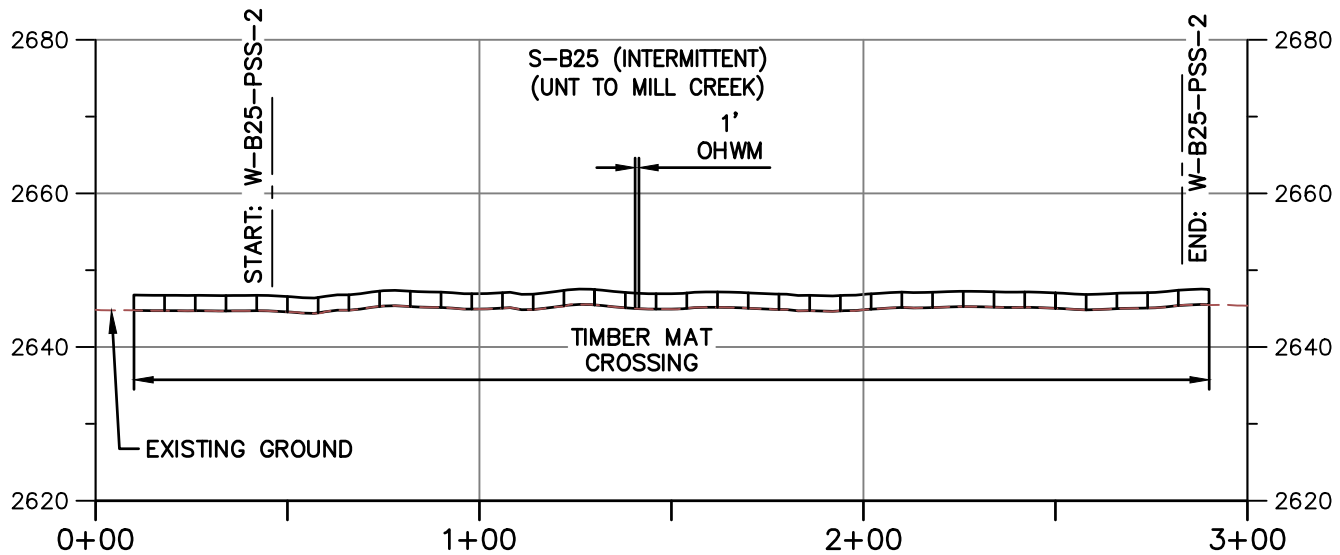
STATION = 12908+85

COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

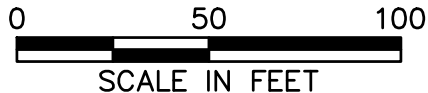
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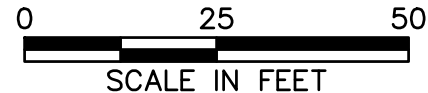


PROFILE A-A

HORIZONTAL



VERTICAL



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STREAM/WETLAND CROSSING

STREAM NAME: S-B25 (UNT TO MILL CREEK)

WETLAND NAME: W-B25-PSS-2

LAT./LONG. = 37.128527, -80.132335

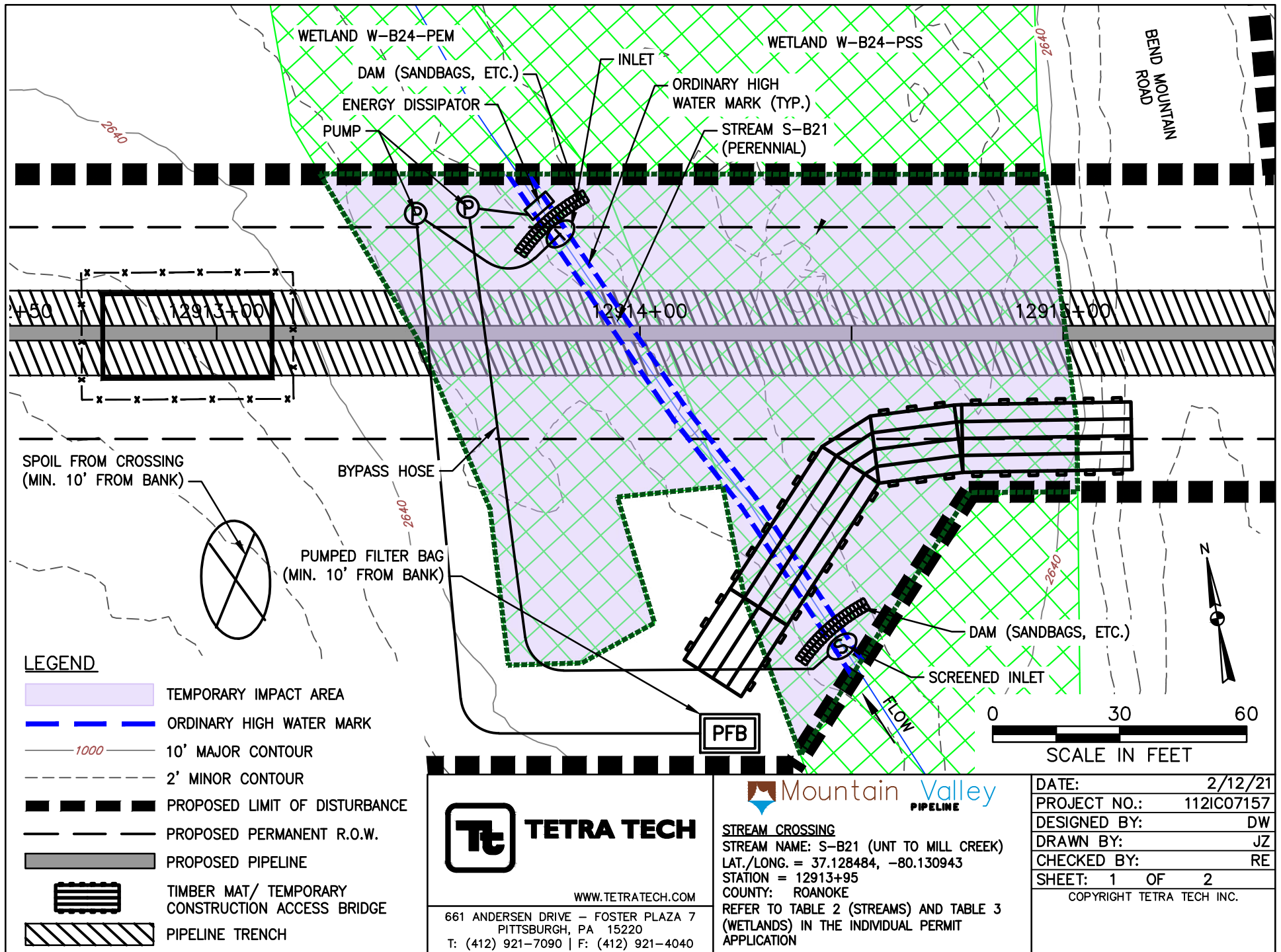
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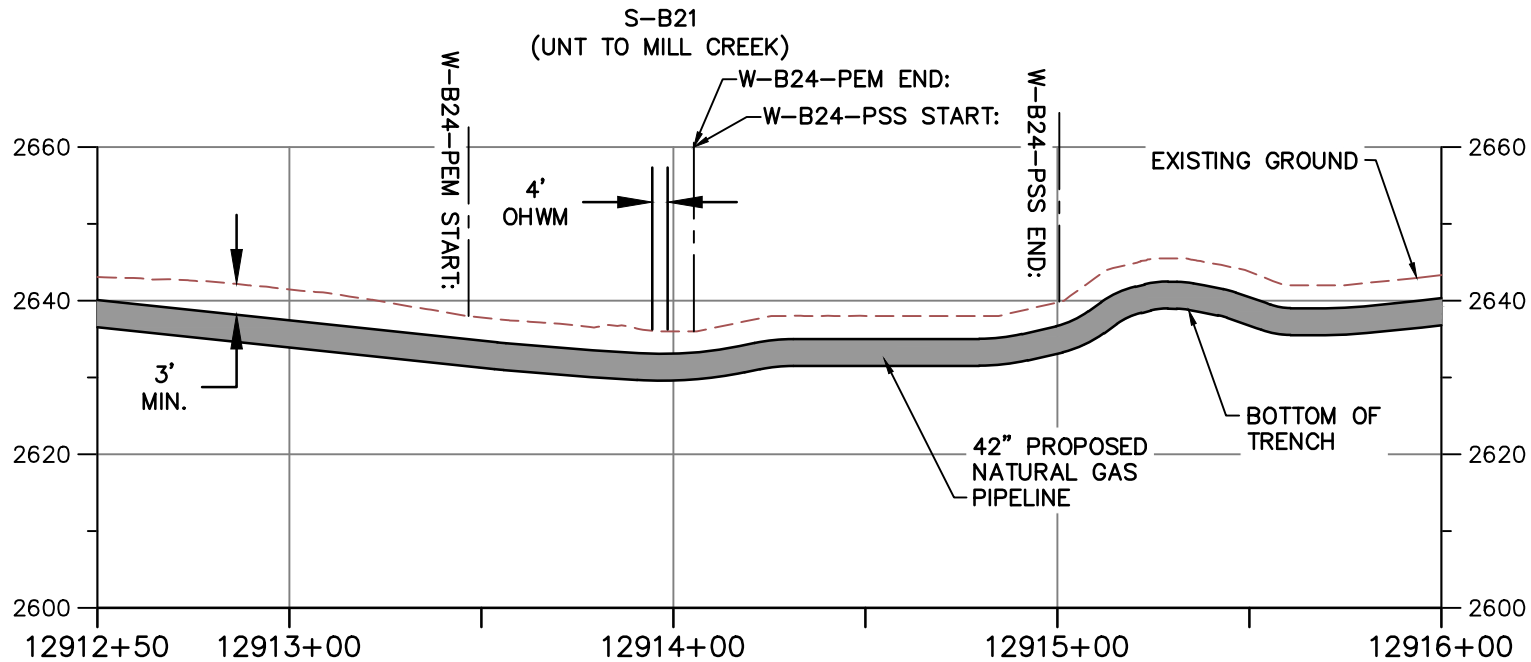
COUNTY: ROANOKE

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

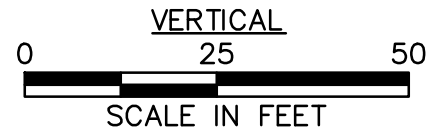
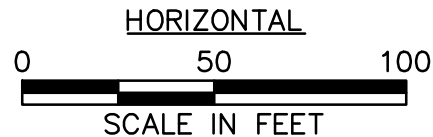
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PROFILE A-A



NOTE:

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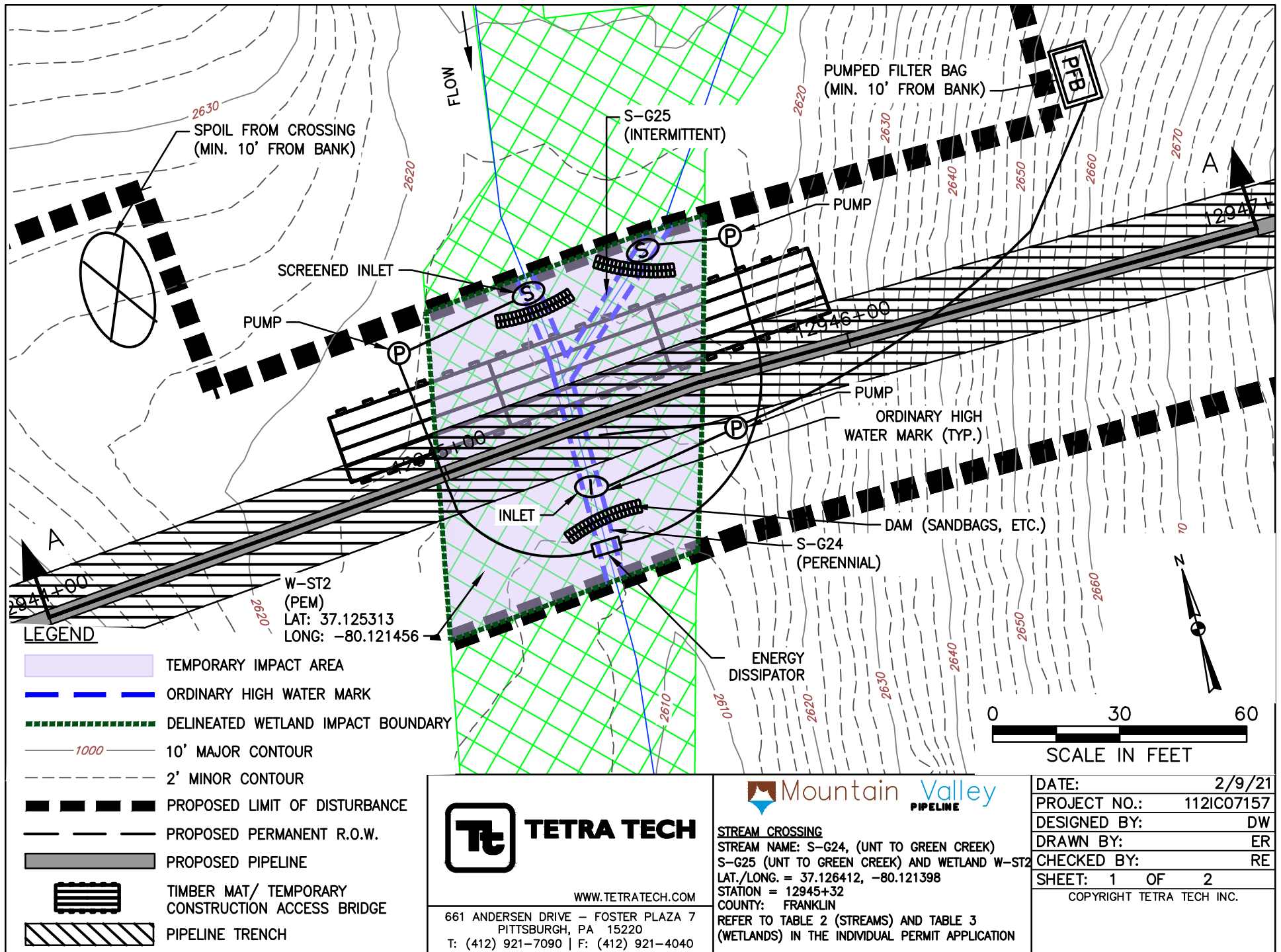


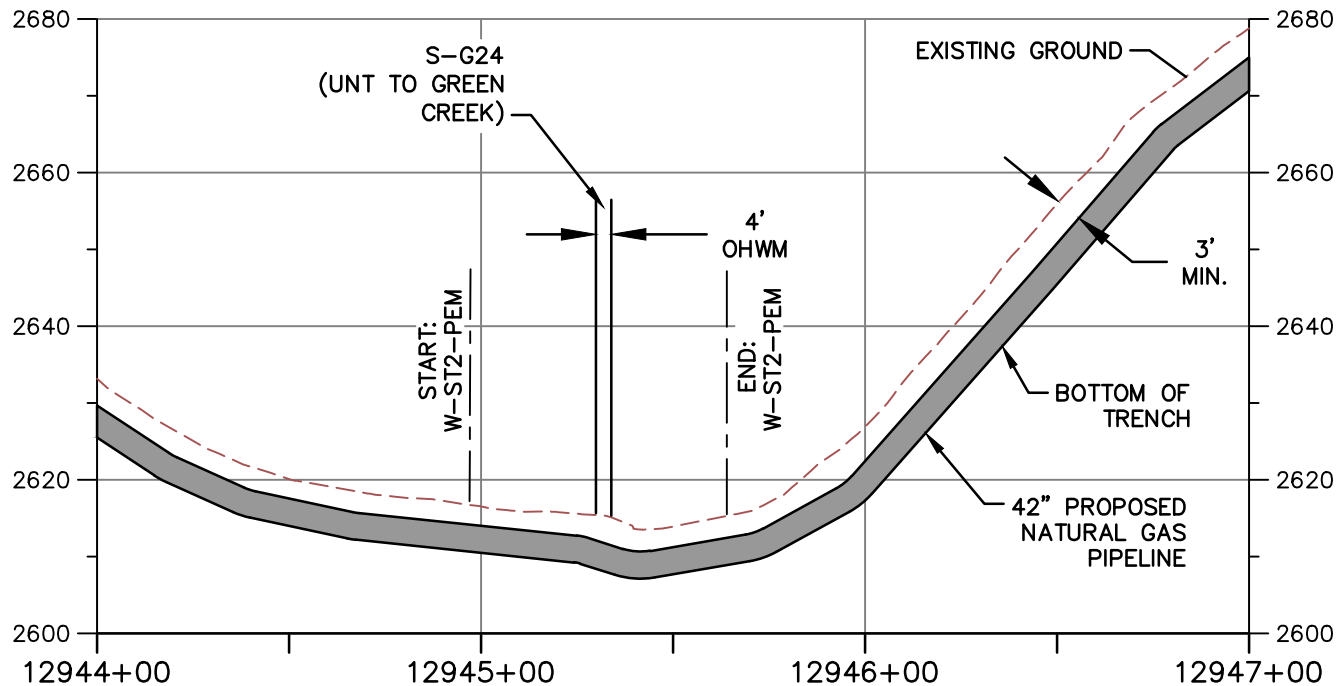
STREAM CROSSING

STREAM NAME: S-B21 (UNT TO MILL CREEK)
LAT./LONG. = 37.128484, -80.130943
STATION = 12913+95
COUNTY: ROANOKE
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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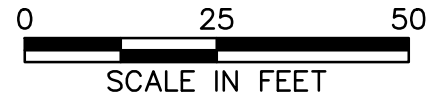




PROFILE A-A

HORIZONTAL

VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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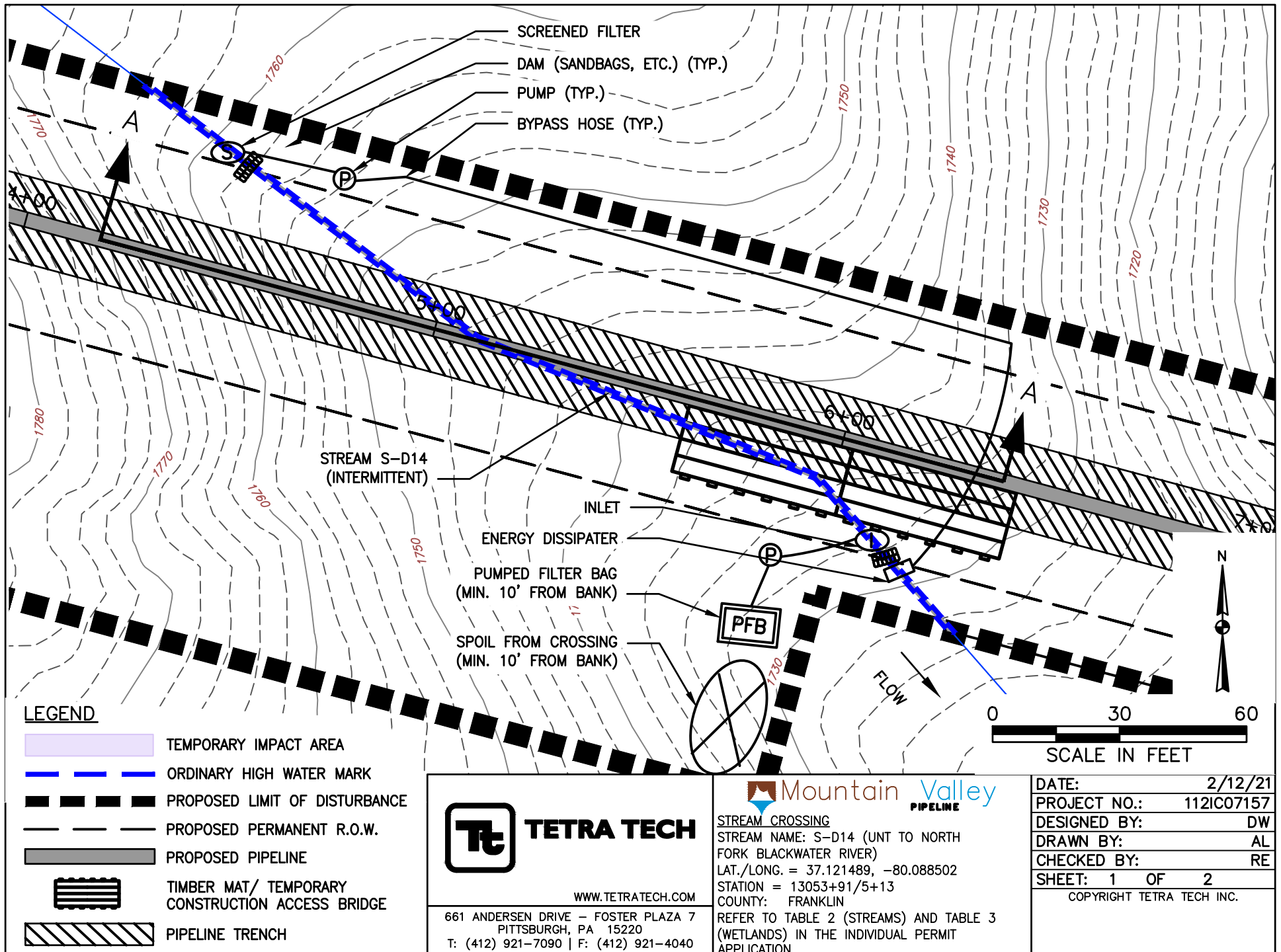
661 ANDERSEN DRIVE - FOSTER PLAZA 7
PITTSBURGH, PA 15220
T: (412) 921-7090 | F: (412) 921-4040

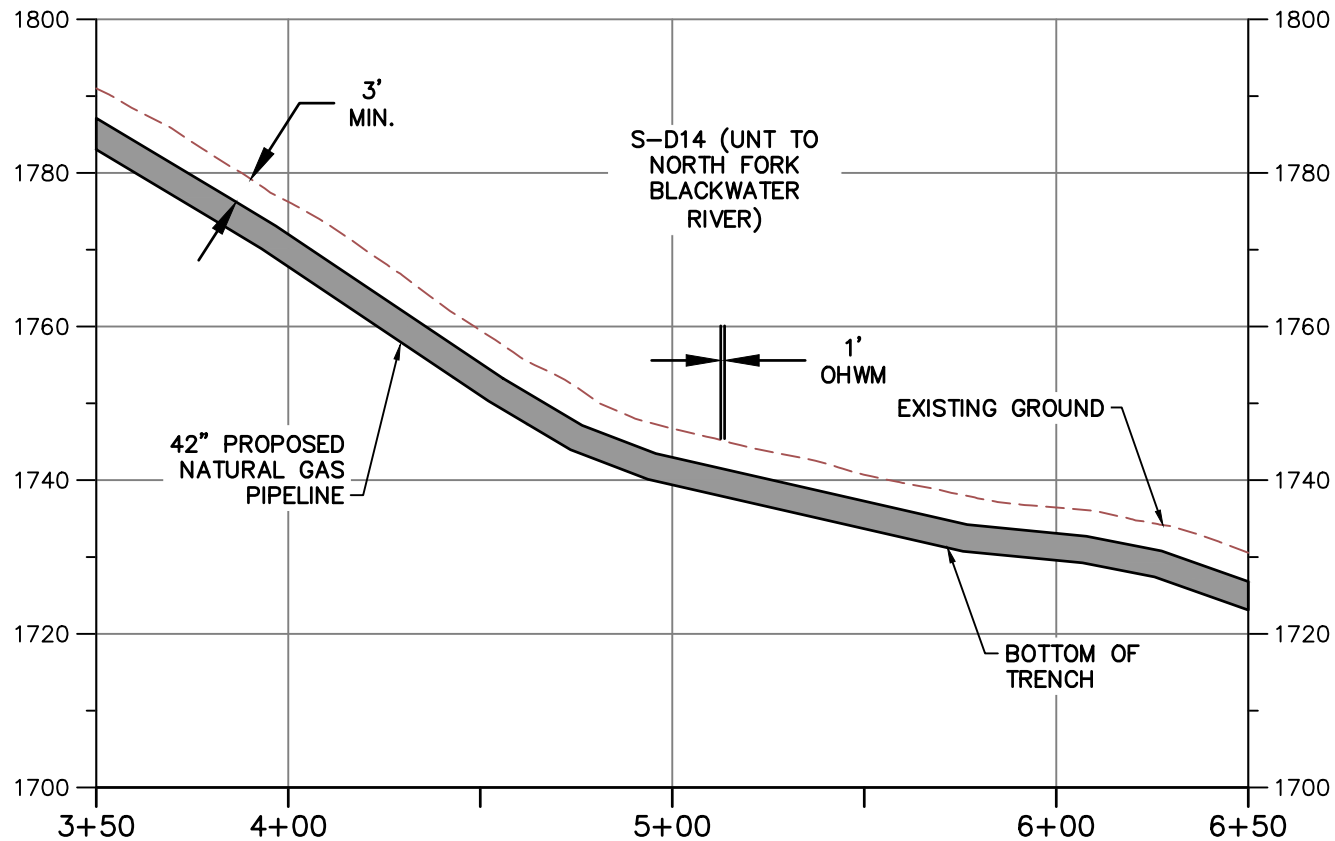


STREAM CROSSING

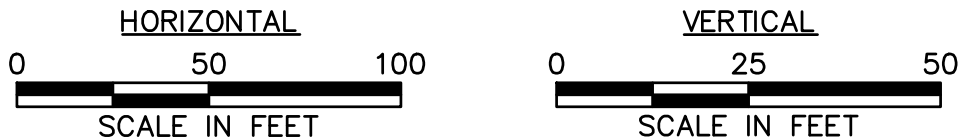
STREAM NAME: S-G24, (UNT TO GREEN CREEK)
S-G25 (UNT TO GREEN CREEK) AND WETLAND W-ST2
LAT./LONG. = 37.126412, -80.121398
STATION = 12945+32
COUNTY: FRANKLIN
REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/9/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	ER
CHECKED BY:	RE
SHEET: 2 OF 2	
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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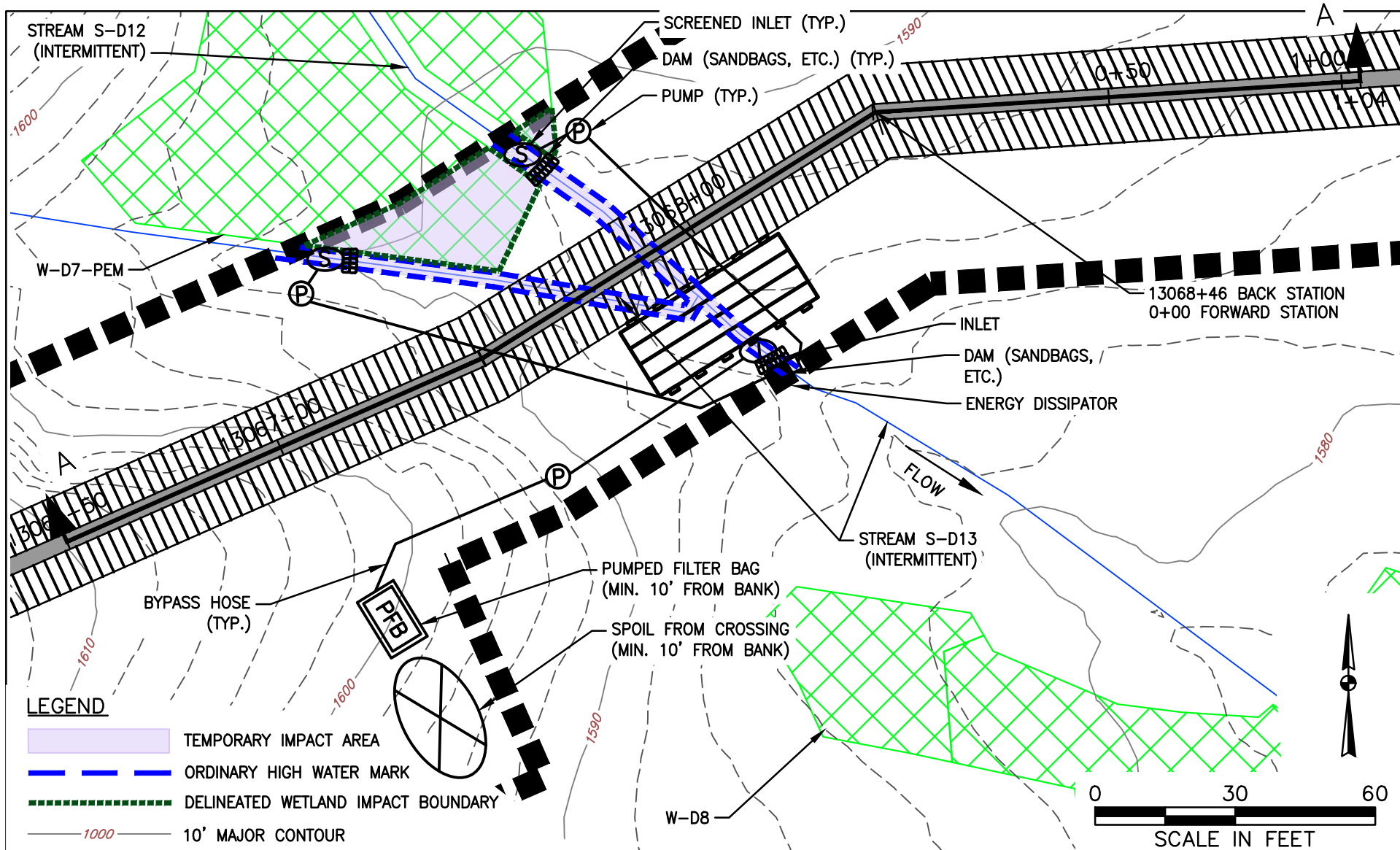
STREAM CROSSING

STREAM NAME: S-D14 (UNT TO NORTH FORK BLACKWATER RIVER)
LAT./LONG. = = 37.121489, -80.088502
STATION = 13053+91/5+13
COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/12/21
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STREAM CROSSING

STREAM NAME: S-D13 (UNT TO NORTH FORK
BLACKWATER RIVER) AND S-D12 (UNT TO NORTH
FORK BLACKWATER RIVER)

LAT./LONG. = 37.121513, -80.085680

STATION = 13067+76

COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/15/21

PROJECT NO.: 112IC07157

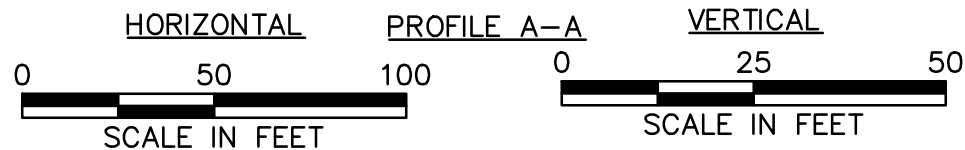
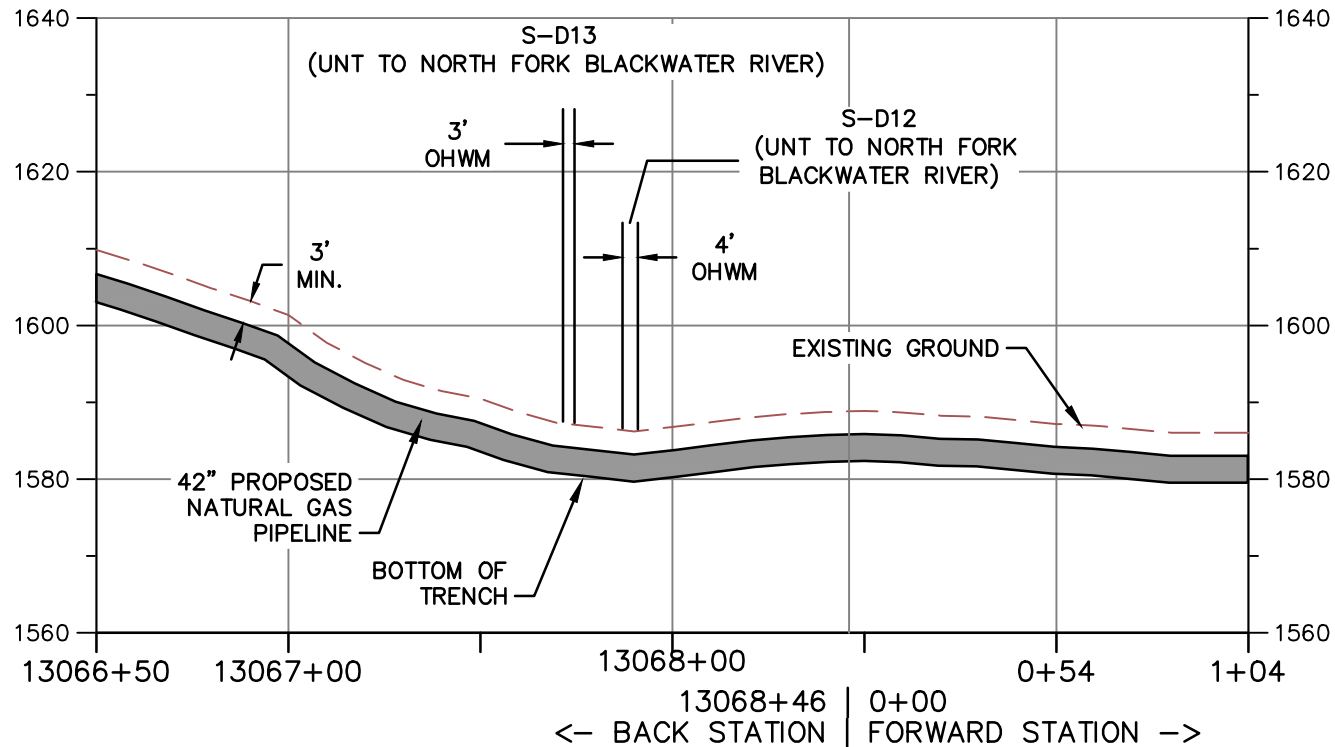
DESIGNED BY: DW

DRAWN BY: AL

CHECKED BY: RE

SHEET: 1 OF 2

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NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



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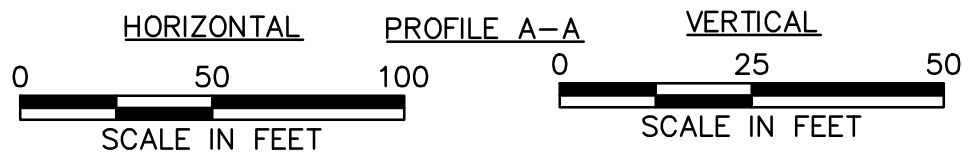
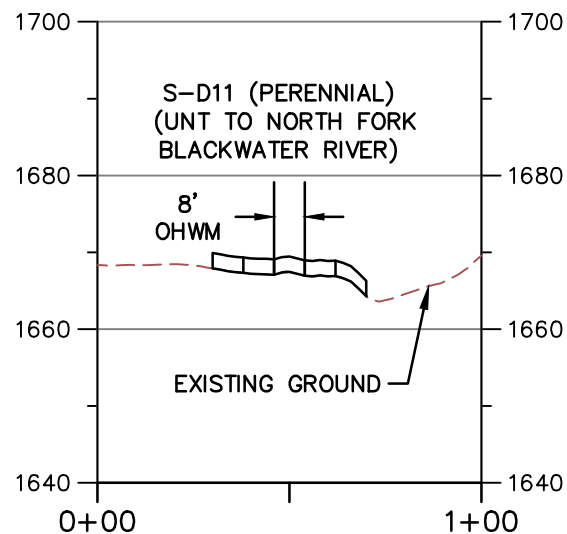


STREAM CROSSING

STREAM NAME: S-D13 (UNT TO NORTH FORK BLACKWATER RIVER) AND S-D12 (UNT TO NORTH FORK BLACKWATER RIVER)
LAT./LONG. = 37.121513, -80.085680
STATION = 13067+76
COUNTY: FRANKLIN
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/15/21
PROJECT NO.: 112IC07157
DESIGNED BY: DW
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NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY
4. PIPELINE NOT SHOWN ON PROFILE BECAUSE IT IS A BORE BELOW SURFACE WATER AND DOES NOT CREATE AN IMPACT.



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STREAM CROSSING

STREAM NAME: S-D11 (UNT TO NORTH FORK BLACKWATER RIVER)

LAT/LONG= 37.124137, -80.086182

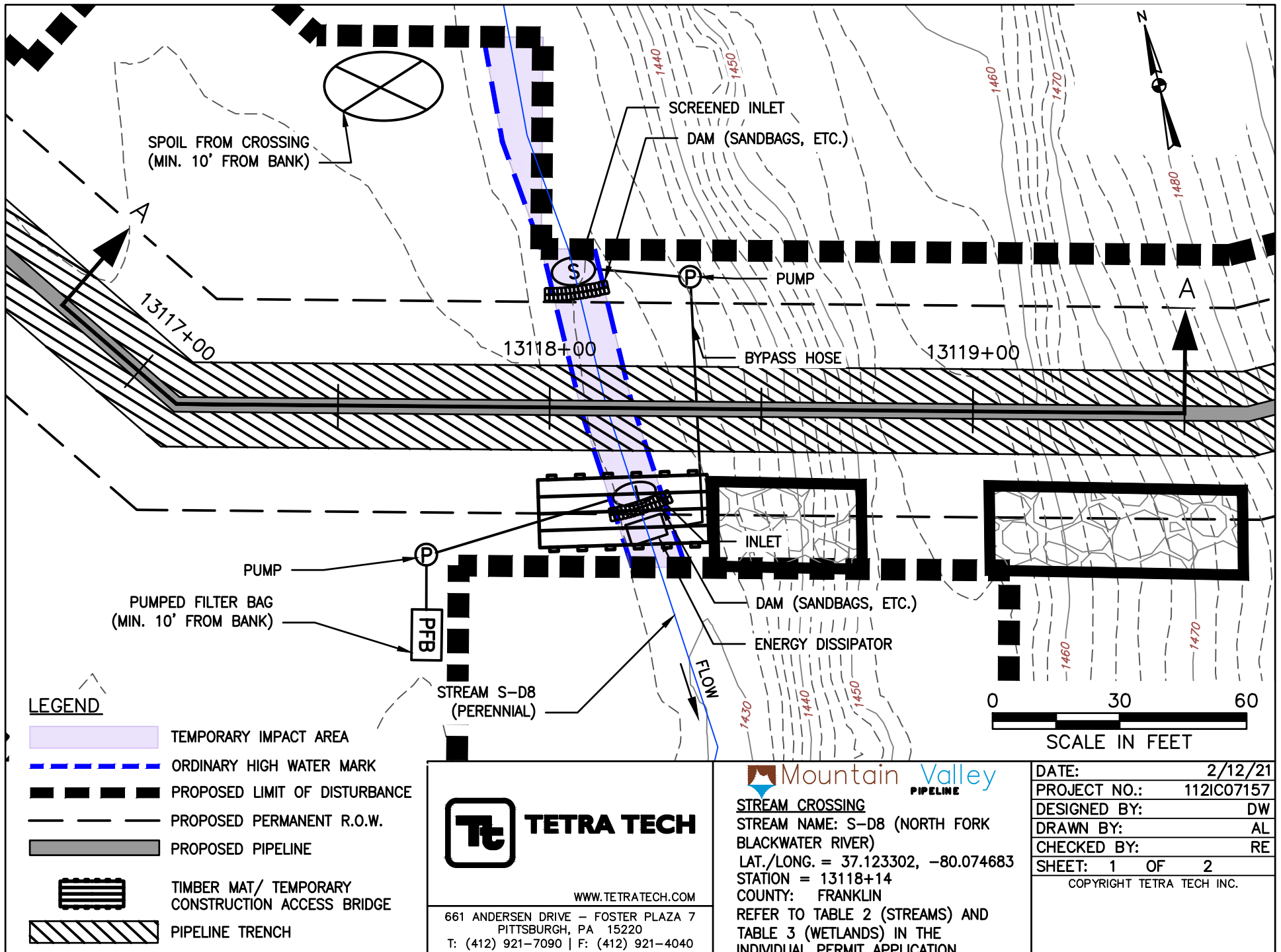
STATION = 13078+54

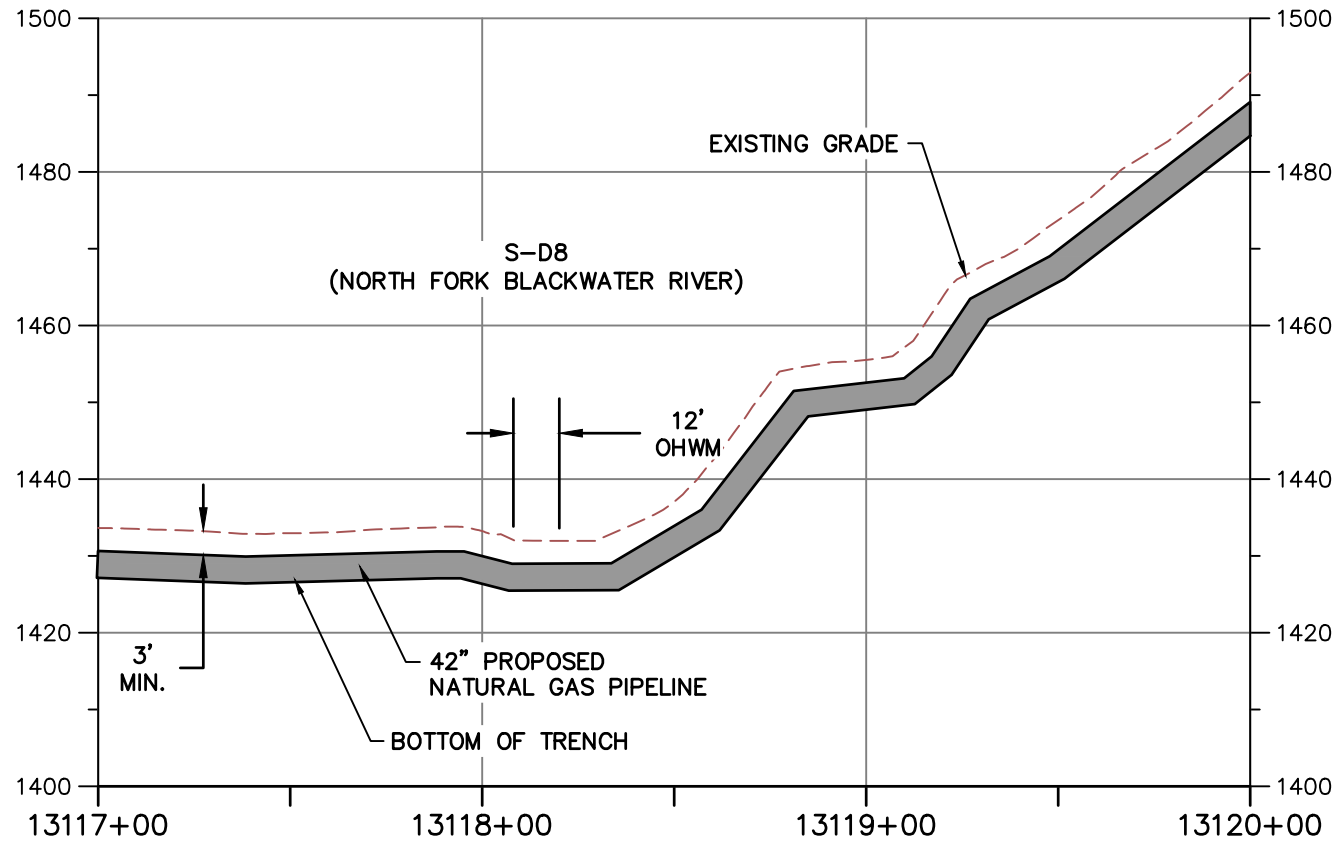
COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/15/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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SHEET: 2 OF 2	

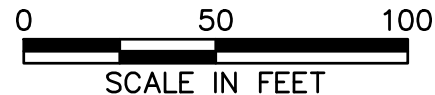
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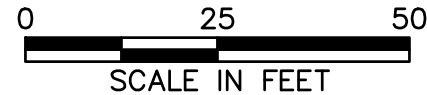


PROFILE A-A

HORIZONTAL



VERTICAL



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-D8 (NORTH FORK BLACKWATER RIVER)

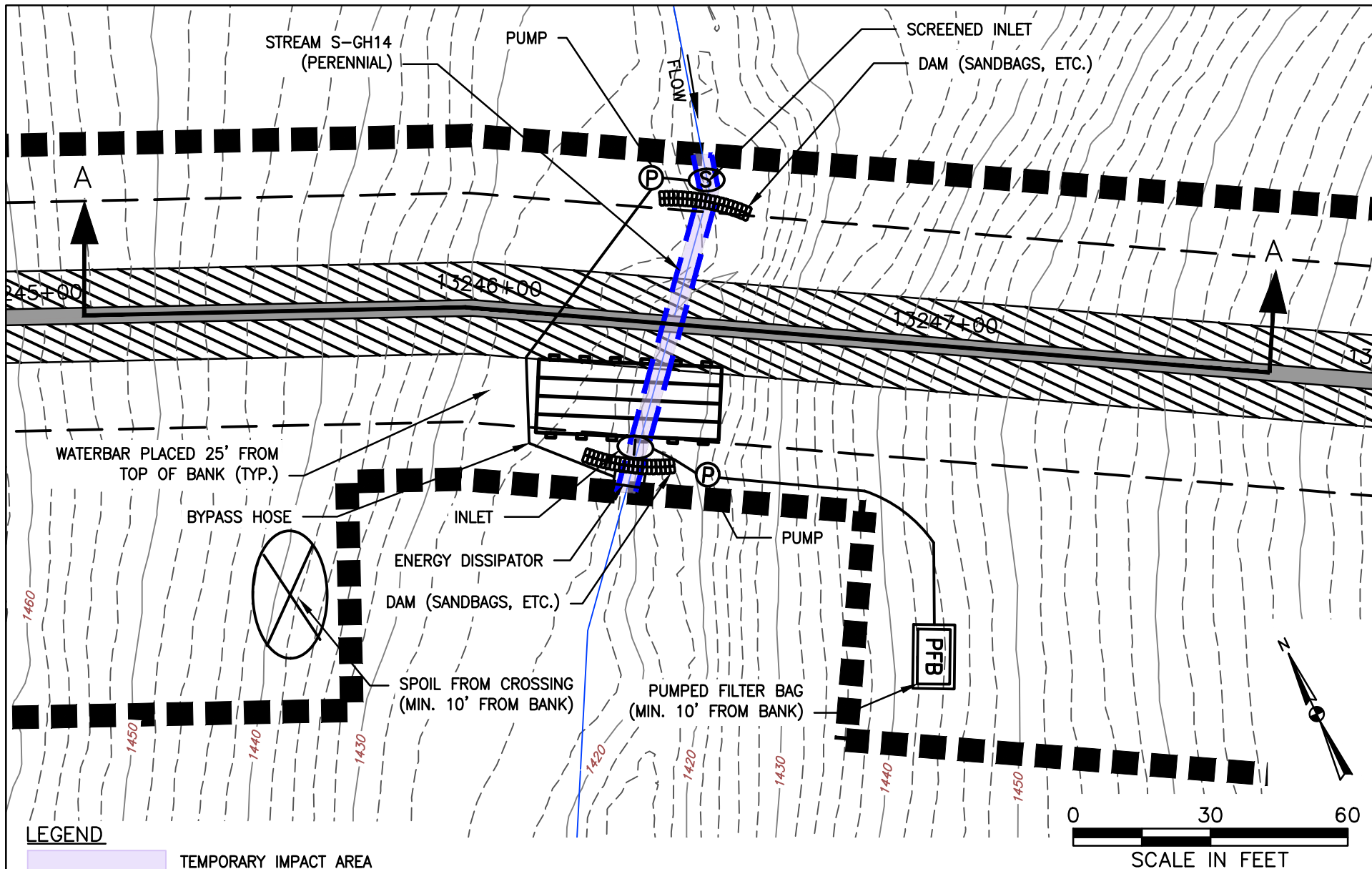
LAT./LONG. = 37.123302, -80.074683

STATION = 13118+14

COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND
TABLE 3 (WETLANDS) IN THE
INDIVIDUAL PERMIT APPLICATION

DATE:	2/12/21
PROJECT NO.:	112IC07157
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STREAM CROSSING

STREAM NAME: S-GH14 (UNT TO NORTH FORK
BLACKWATER RIVER)

LAT./LONG. = 37.105883, -80.048861

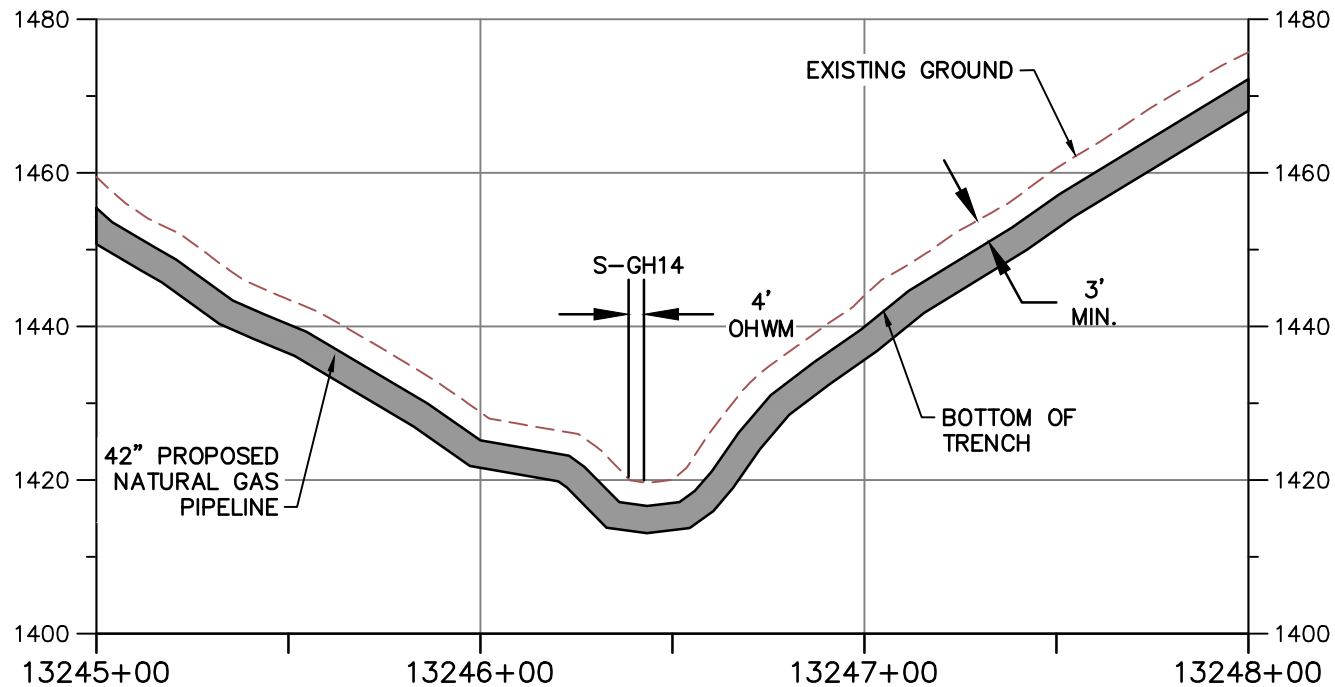
STATION = 13246+41

COUNTY: FRANKLIN

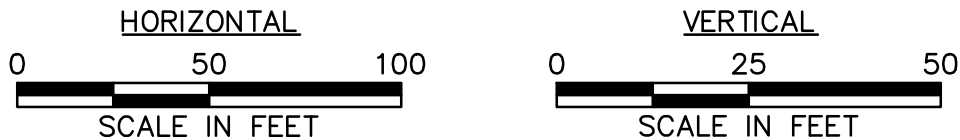
REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

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PROJECT NO.: 112IC07157
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-GH14 (UNT TO NORTH FORK BLACKWATER RIVER)

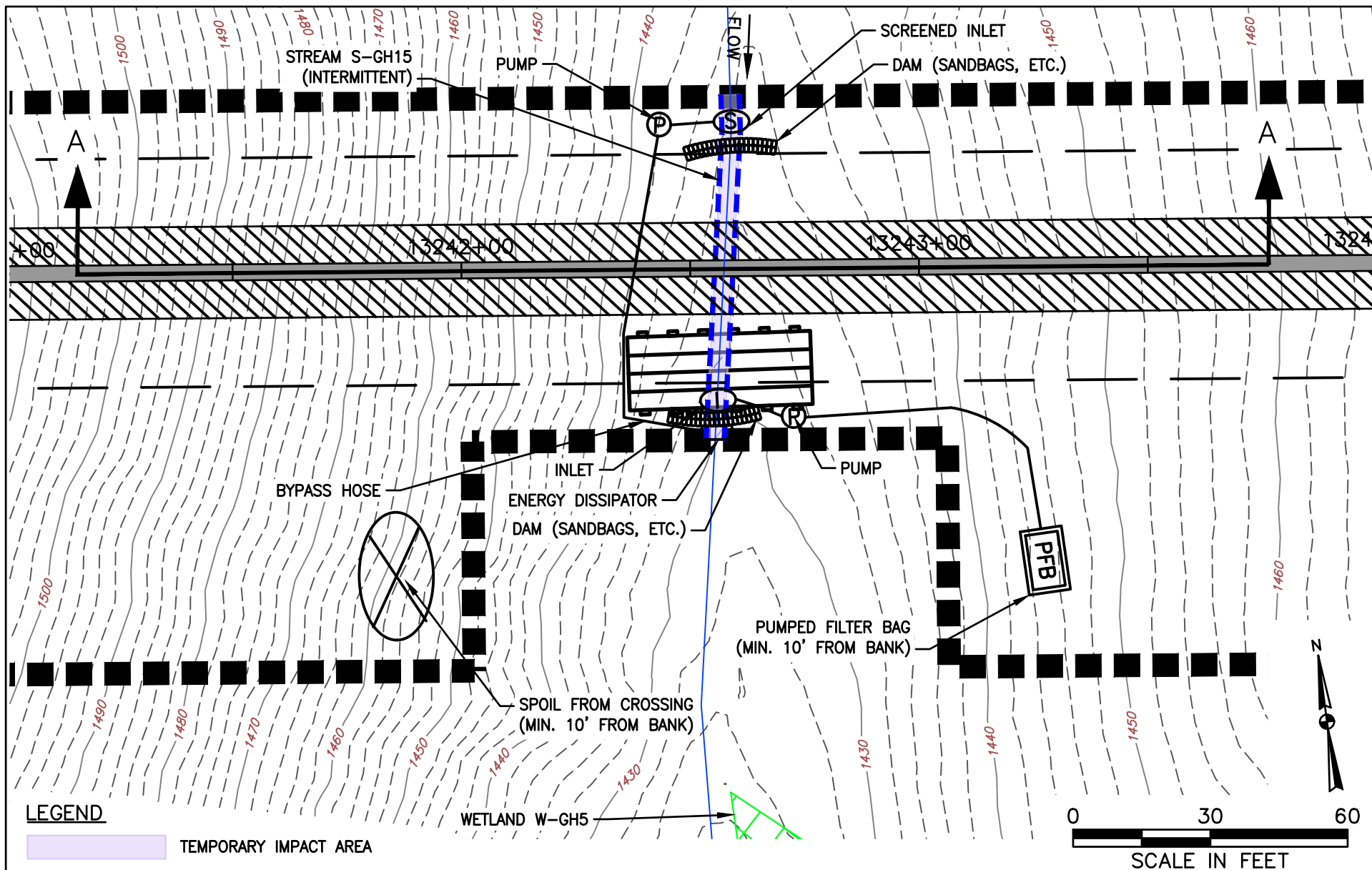
LAT./LONG. = 37.105883, -80.048861

STATION = 13246+41

COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.:	112IC07157
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STREAM CROSSING

STREAM NAME: S-GH15 (UNT TO NORTH
FORK BLACKWATER RIVER)

LAT./LONG. = 37.106177, -80.050105

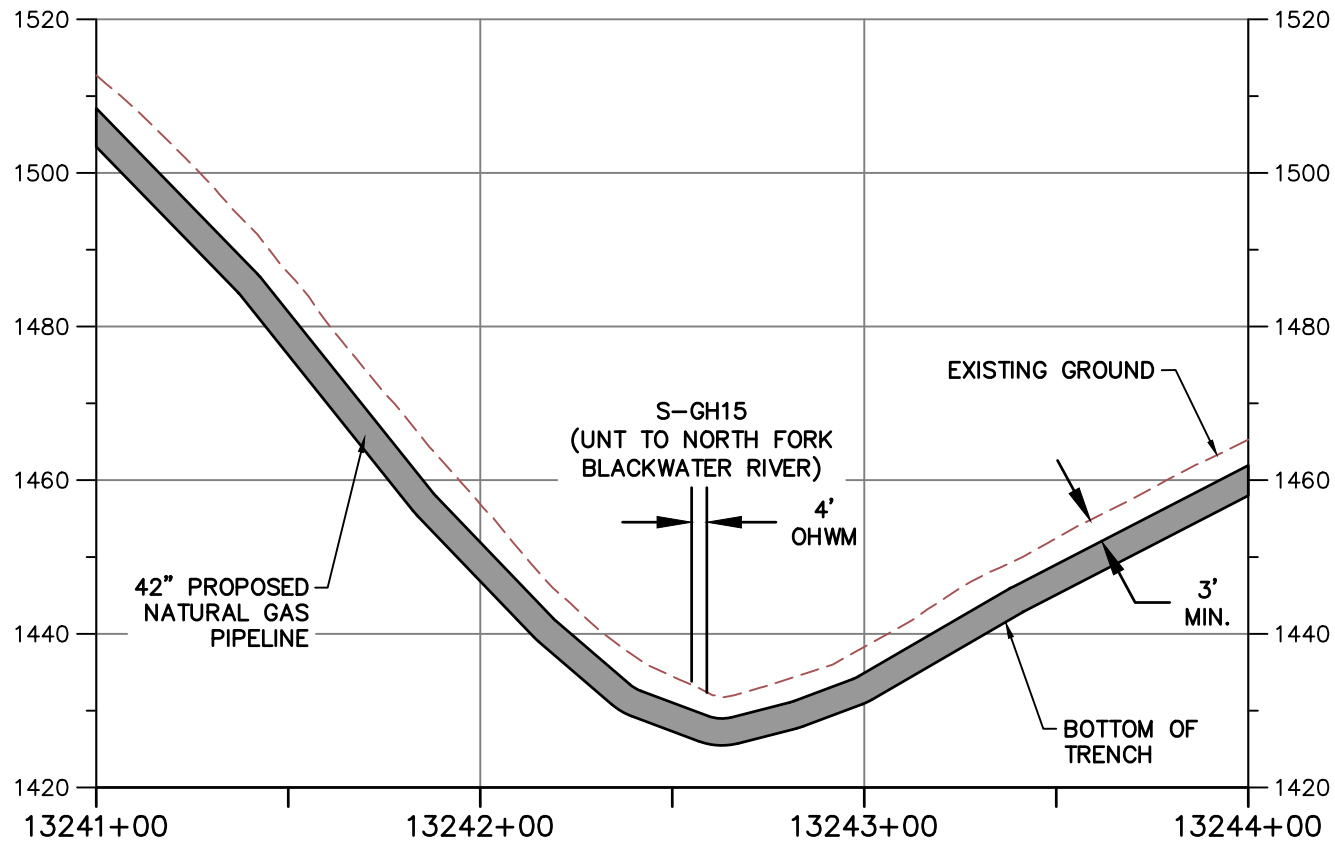
STATION = 13242+57

COUNTY: FRANKLIN

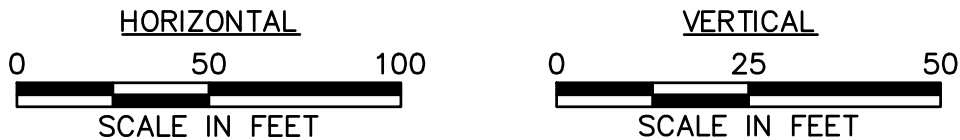
REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

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PROJECT NO.: 112IC07157
DESIGNED BY: DW
DRAWN BY: JP
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-GH15 (UNT TO NORTH FORK BLACKWATER RIVER)

LAT./LONG. = 37.106177, -80.050105

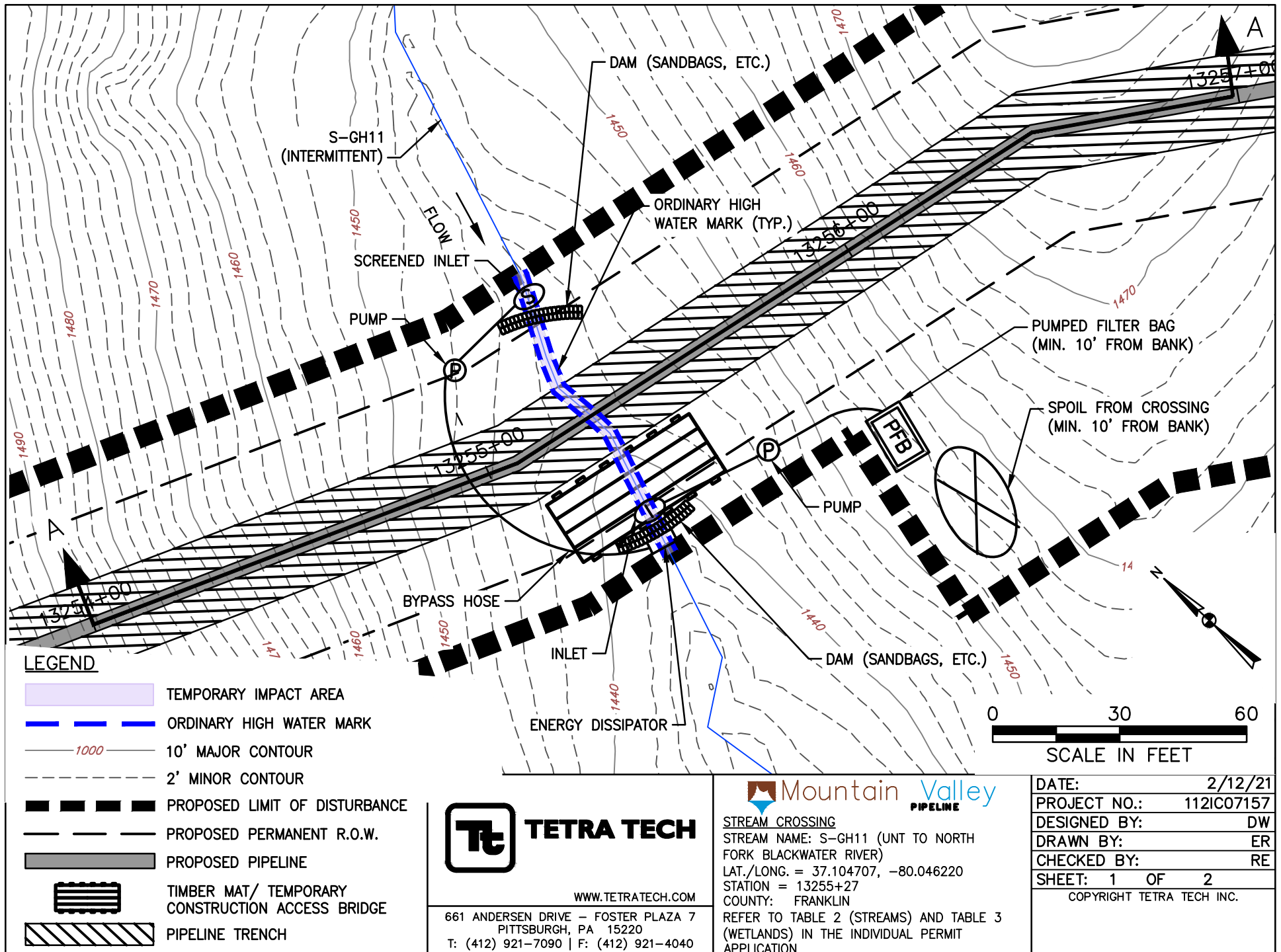
STATION = 13242+57

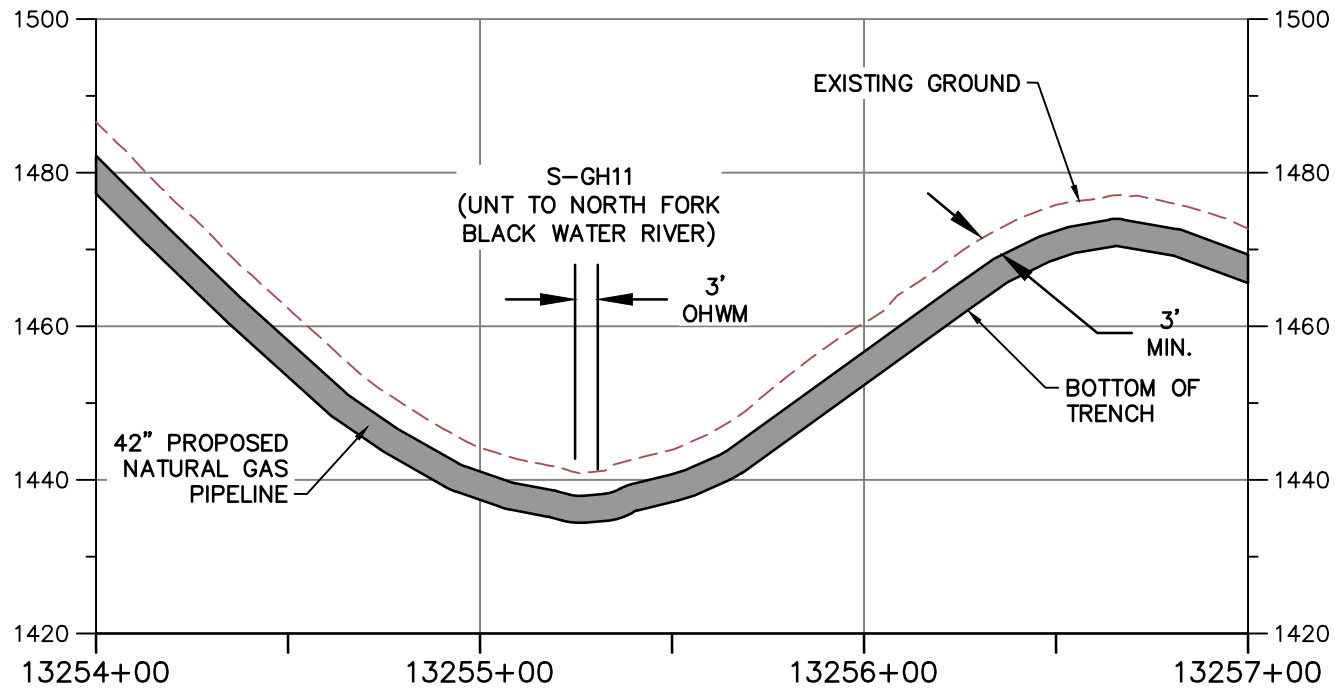
COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

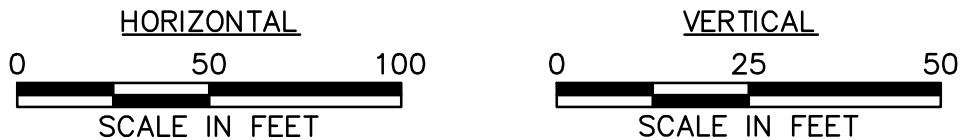
DATE: 2/12/21
PROJECT NO.: 112IC07157
DESIGNED BY: DW
DRAWN BY: JP
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PROFILE A-A



NOTE:

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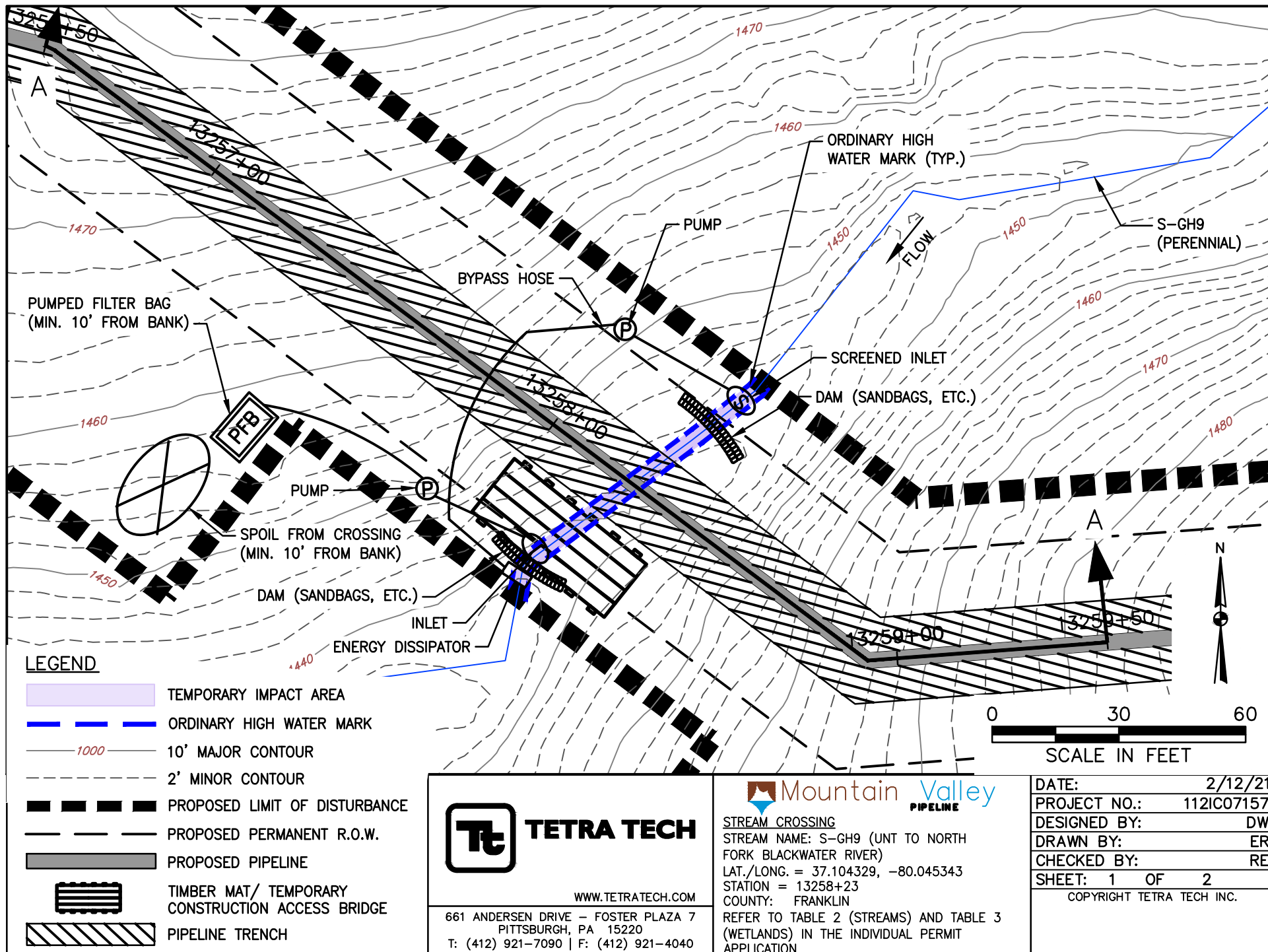


STREAM CROSSING

STREAM NAME: S-GH11 (UNT TO NORTH
FORK BLACKWATER RIVER)
LAT./LONG. = 37.104707, -80.046220
STATION = 13255+27
COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
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CHECKED BY:	RE
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STREAM CROSSING

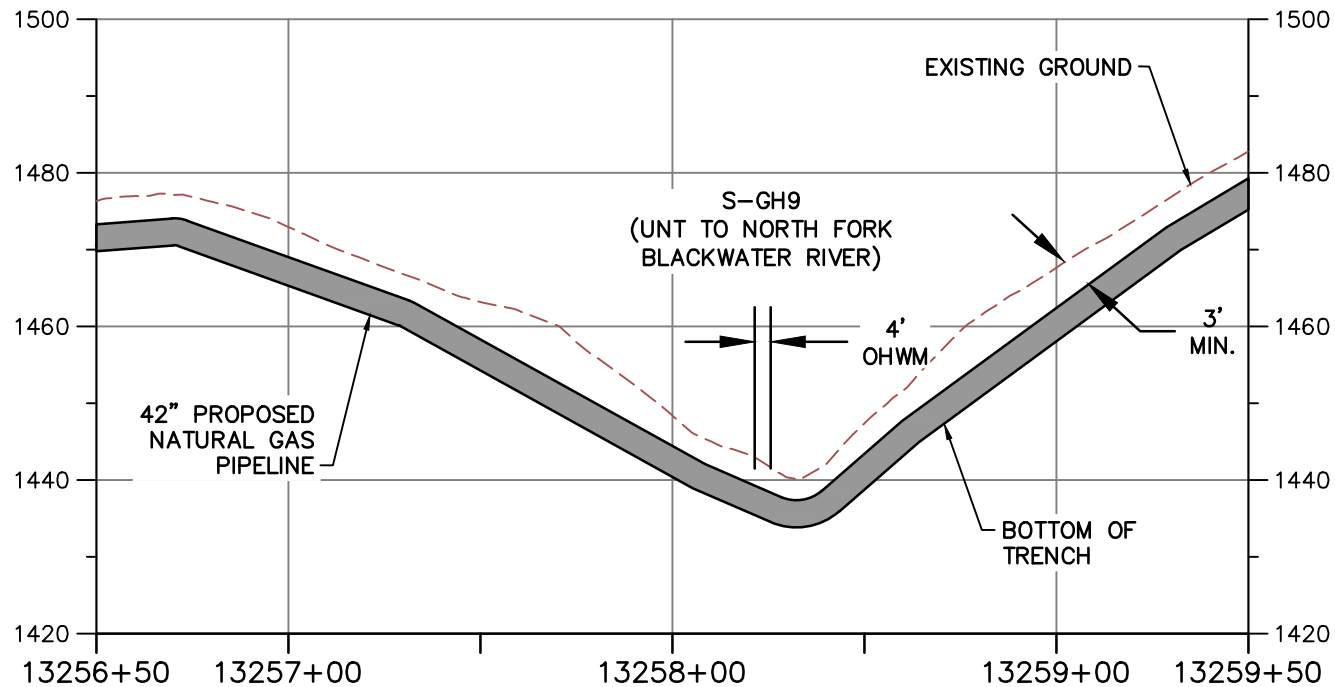
STREAM NAME: S-GH9 (UNT TO NORTH
 FORK BLACKWATER RIVER)

LAT./LONG. = 37.104329, -80.045343

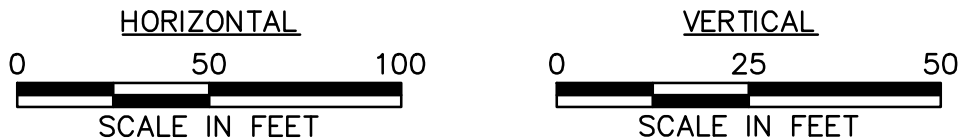
STATION = 13258+23

COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3
 (WETLANDS) IN THE INDIVIDUAL PERMIT
 APPLICATION



PROFILE A-A



NOTE:

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STREAM CROSSING

STREAM NAME: S-GH9 (UNT TO NORTH FORK BLACKWATER RIVER)

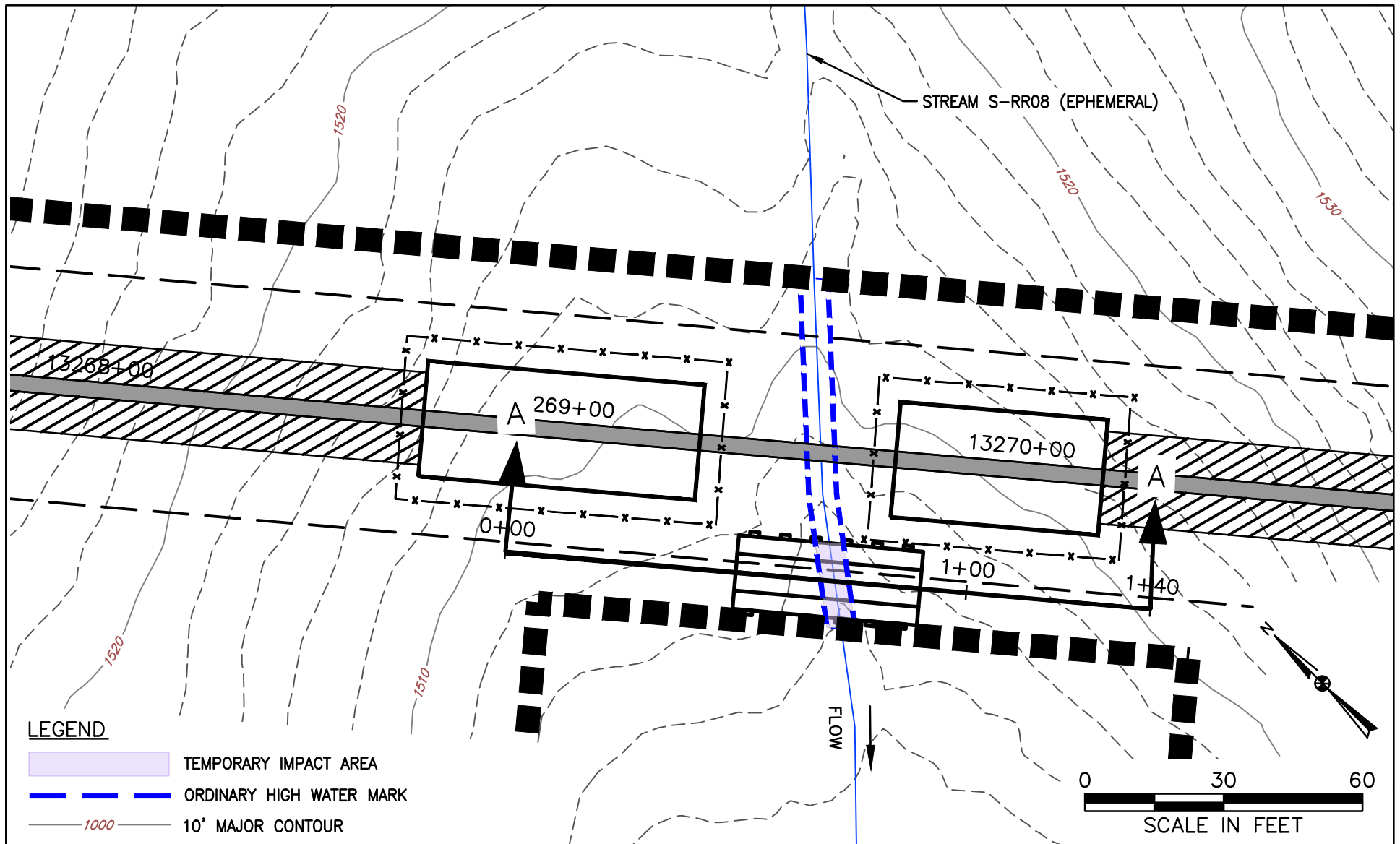
LAT./LONG. = 37.104329, -80.045343

STATION = 13258+23

COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.:	112IC07157
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LEGEND

- TEMPORARY IMPACT AREA
- ORDINARY HIGH WATER MARK
- 10' MAJOR CONTOUR
- 2' MINOR CONTOUR
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED PERMANENT R.O.W.
- PROPOSED PIPELINE
- TIMBER MAT/ TEMPORARY CONSTRUCTION ACCESS BRIDGE
- PIPELINE TRENCH



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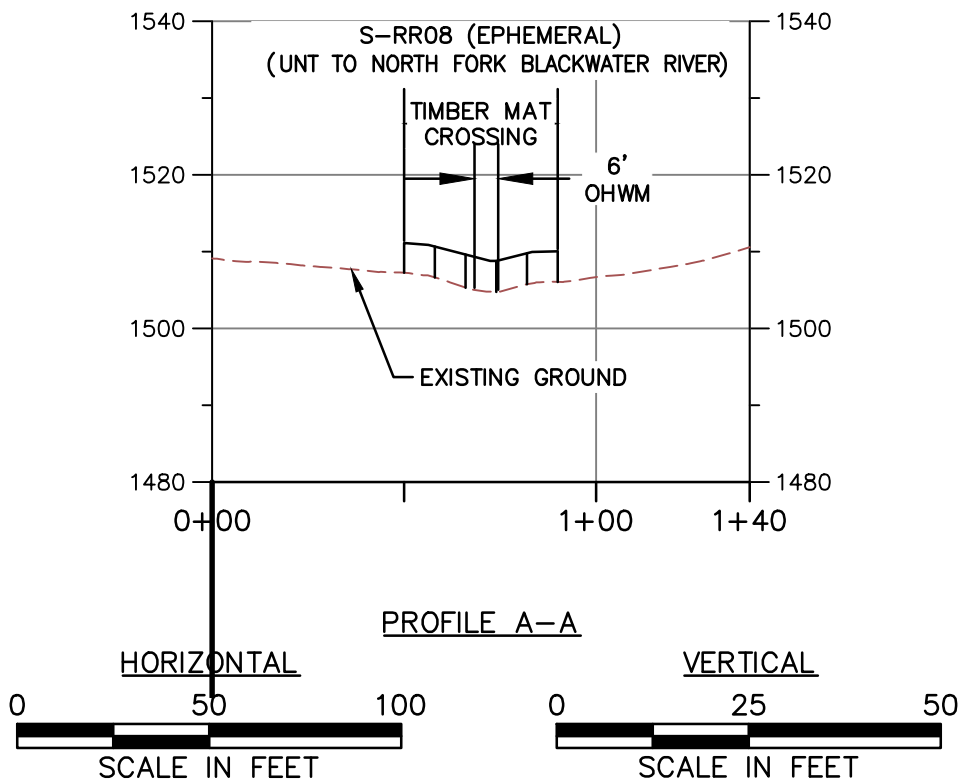
661 ANDERSEN DRIVE - FOSTER PLAZA 7
PITTSBURGH, PA 15220
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STREAM CROSSING

STREAM NAME: S-RR08 (UNT TO NORTH
FORK BLACKWATER RIVER)
LAT./LONG. = 37.103290, -80.041868
STATION = 13269+57
COUNTY: FRANKLIN
REFER TO TABLE 2 (STREAMS) AND TABLE 3
(WETLANDS) IN THE INDIVIDUAL PERMIT
APPLICATION

DATE: 2/17/21
PROJECT NO.: 112IC07157
DESIGNED BY: DW
DRAWN BY: CC
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NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-RR08 (UNT TO NORTH FORK BLACKWATER RIVER)

LAT./LONG. = 37.103290, -80.041868

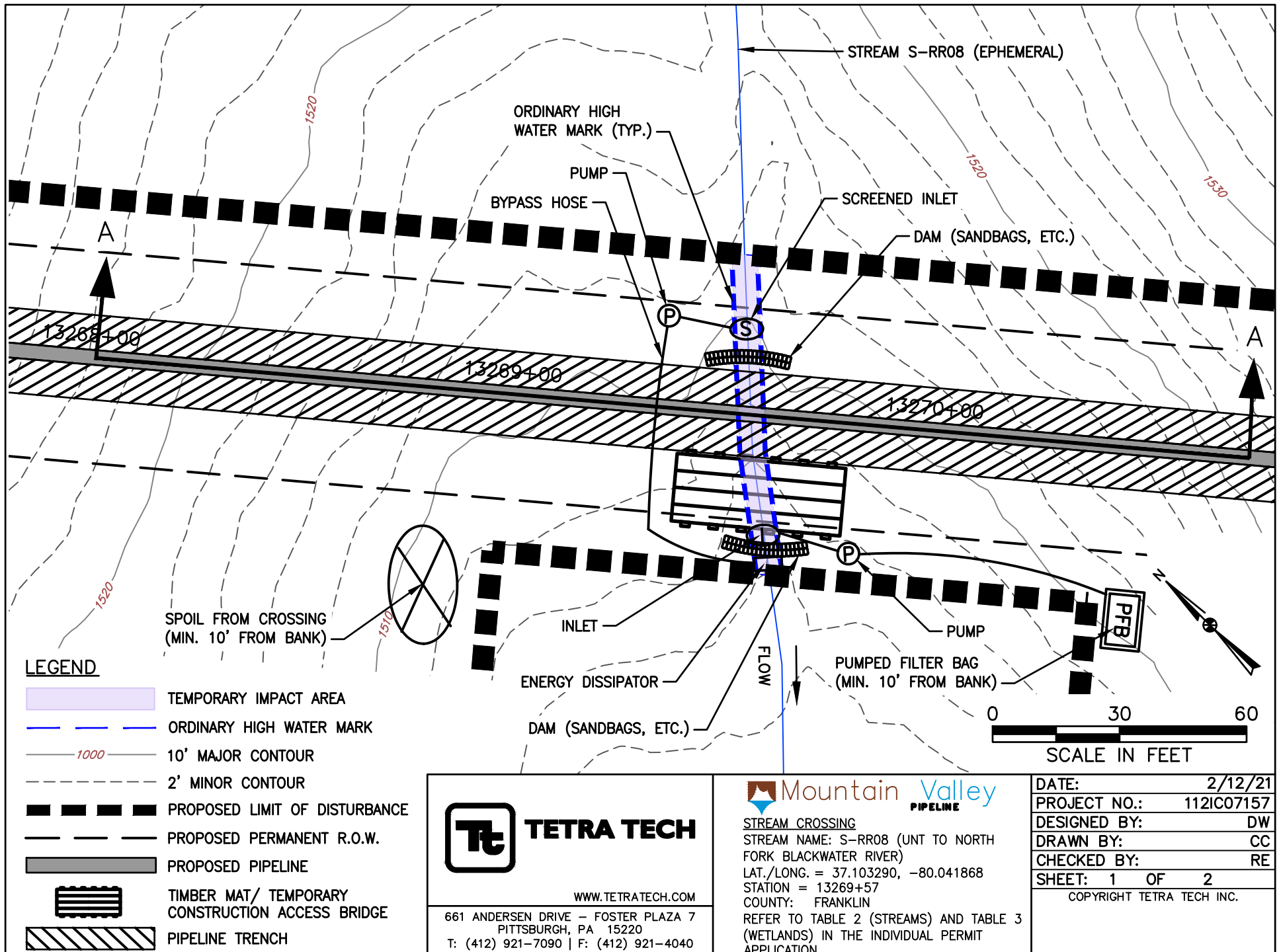
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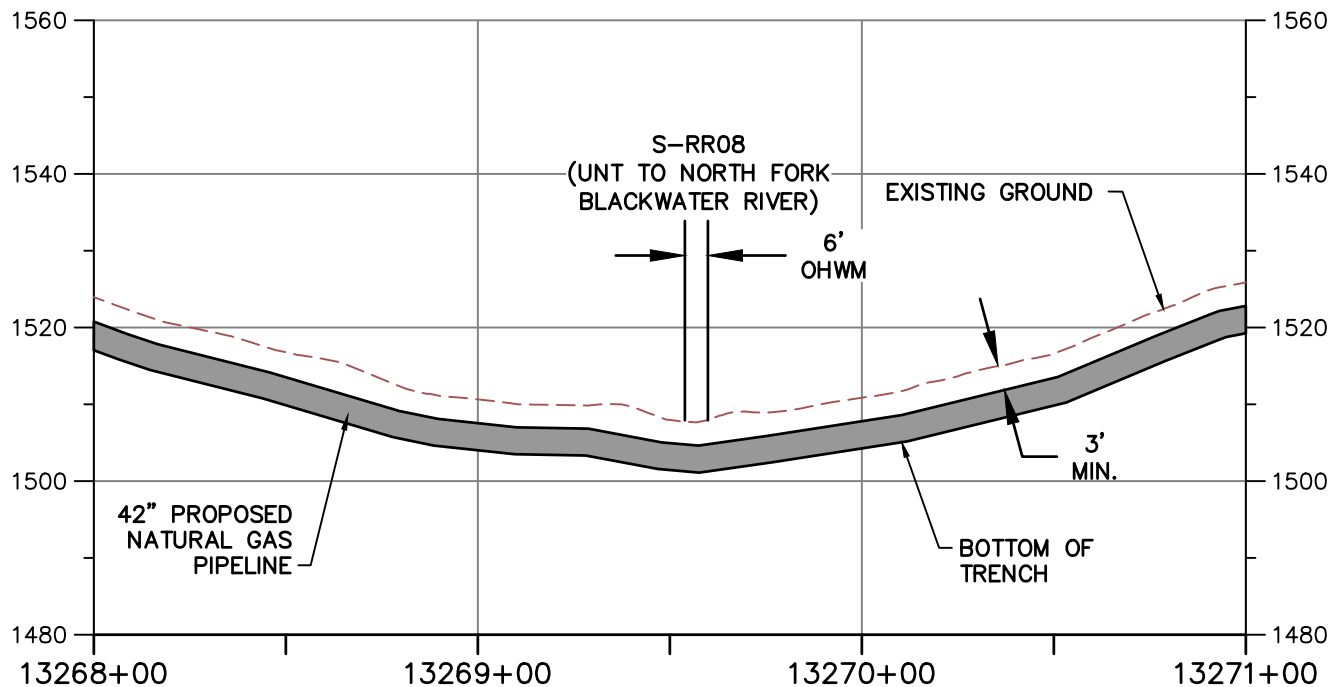
COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

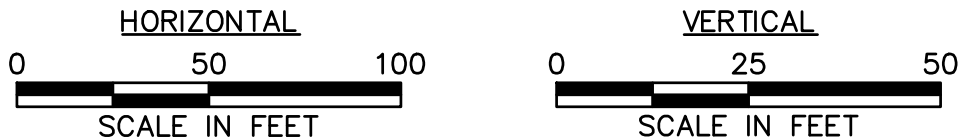
DATE:	2/17/21
PROJECT NO.:	112IC07157
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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-RR08 (UNT TO NORTH FORK BLACKWATER RIVER)

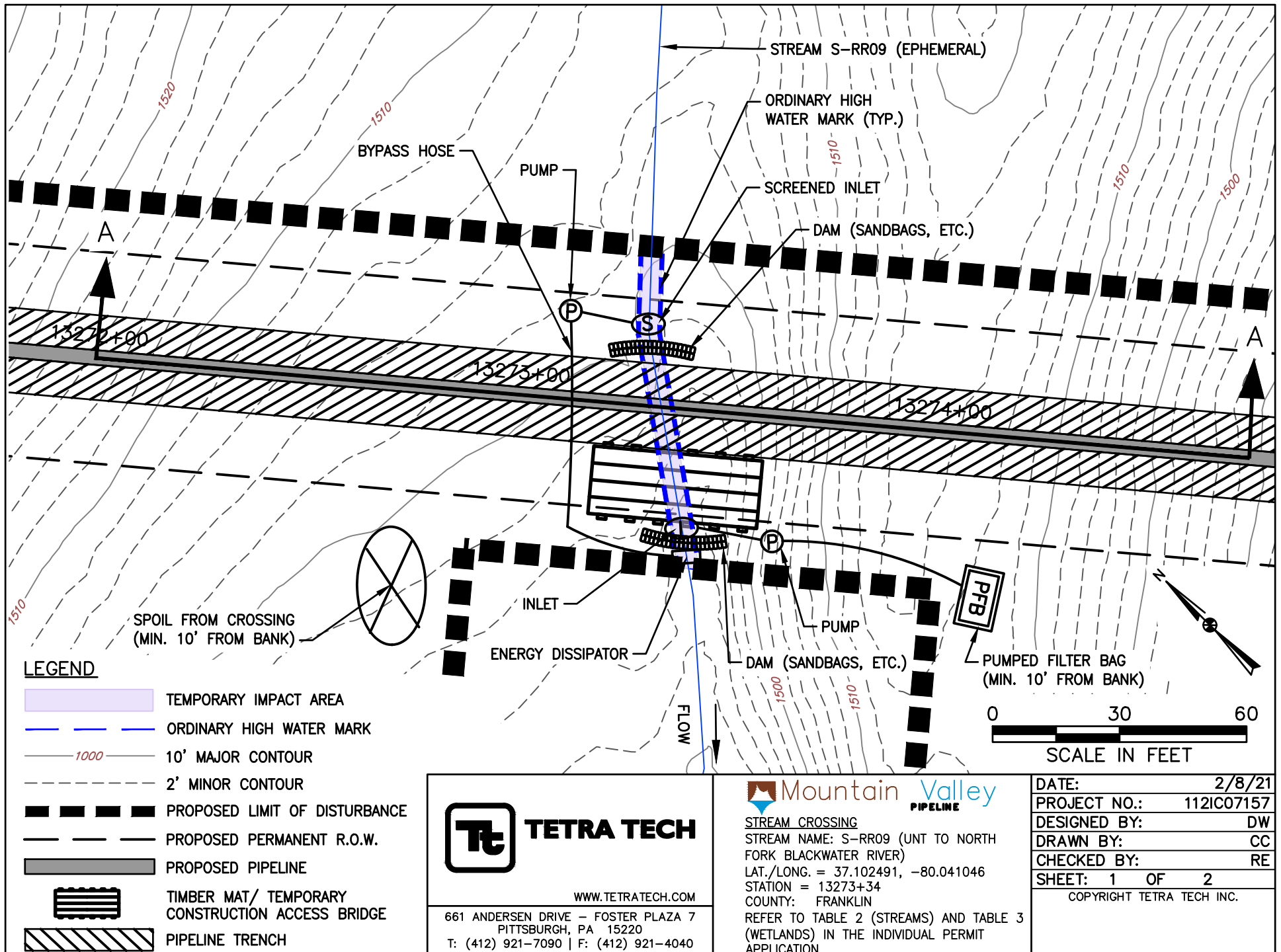
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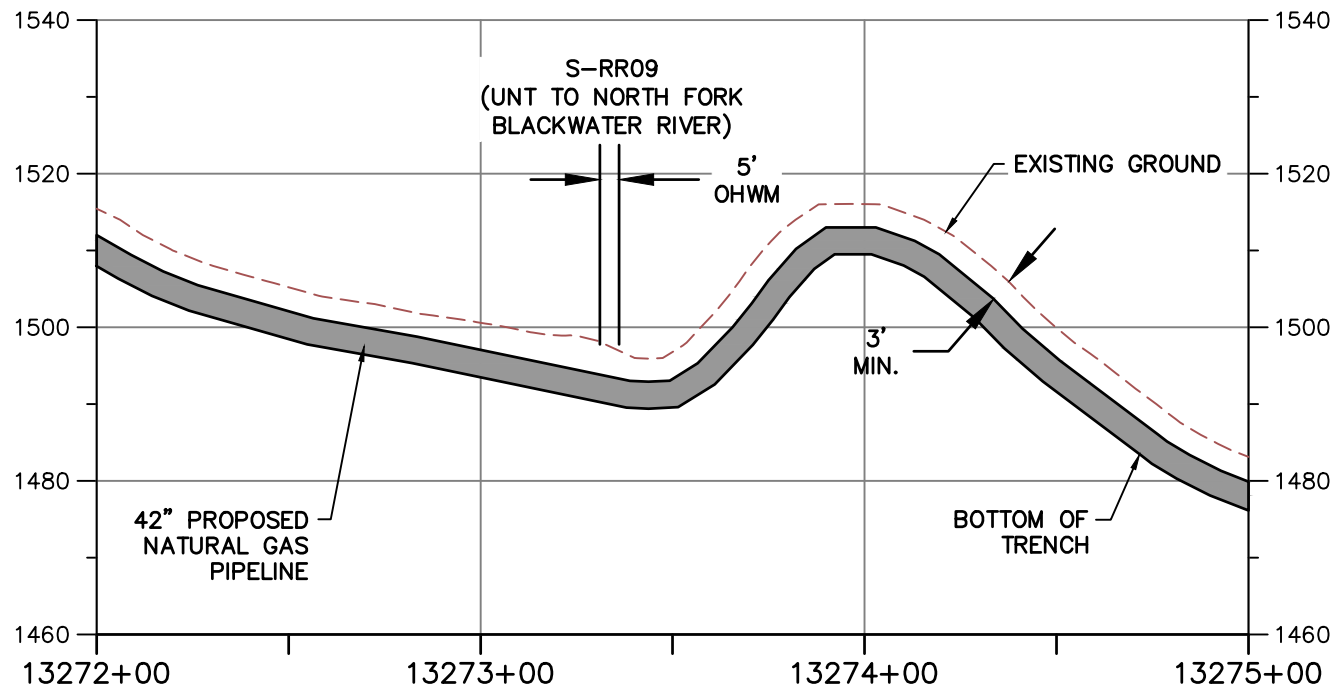
STATION = 13269+57

COUNTY: FRANKLIN

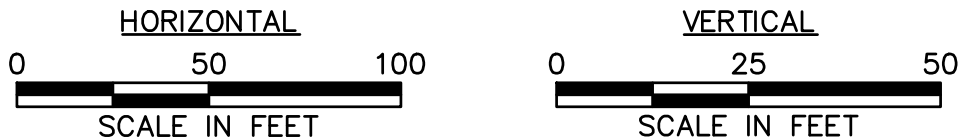
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROFILE A-A



NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
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STREAM CROSSING

STREAM NAME: S-RR09 (UNT TO NORTH FORK BLACKWATER RIVER)

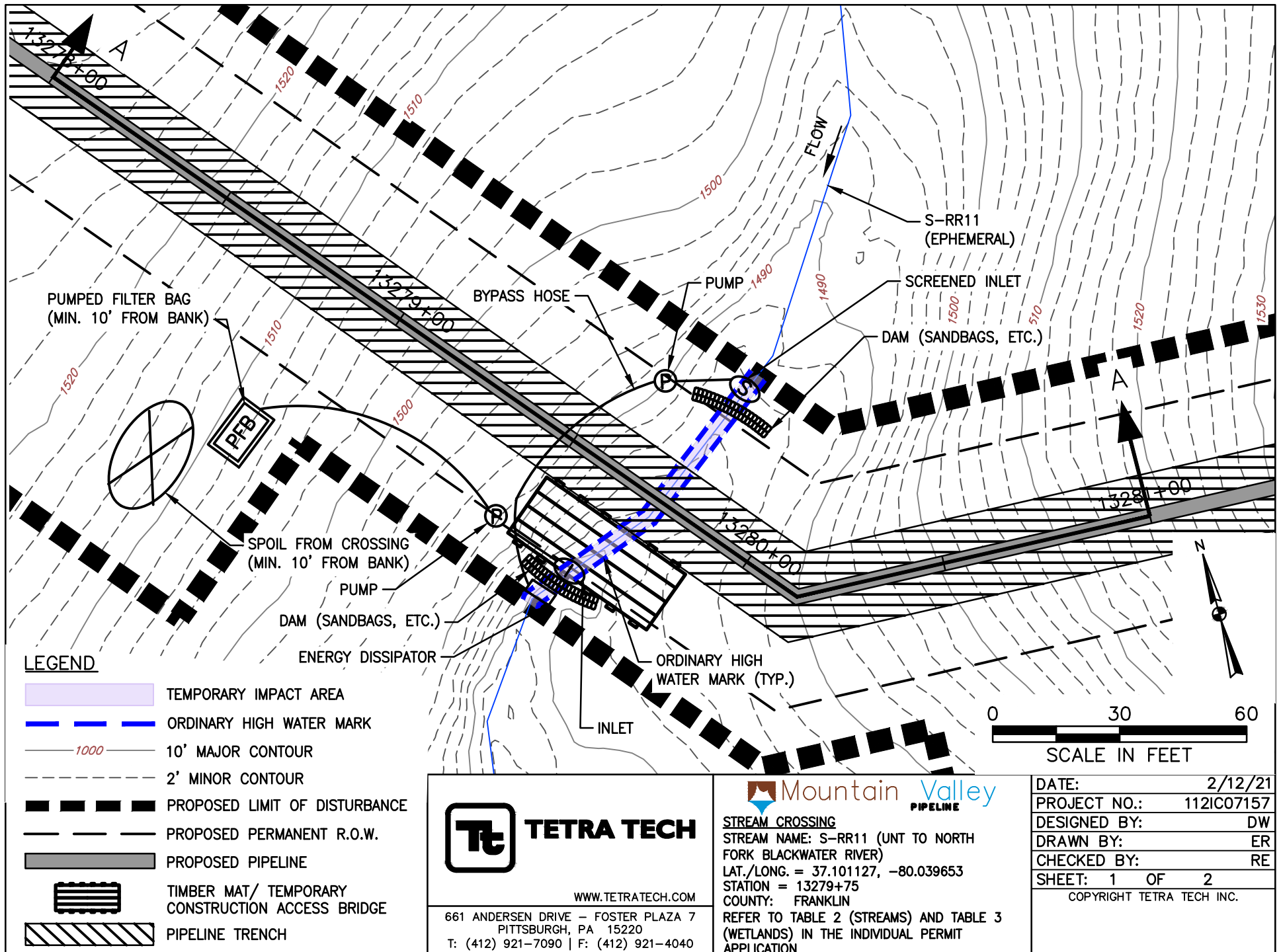
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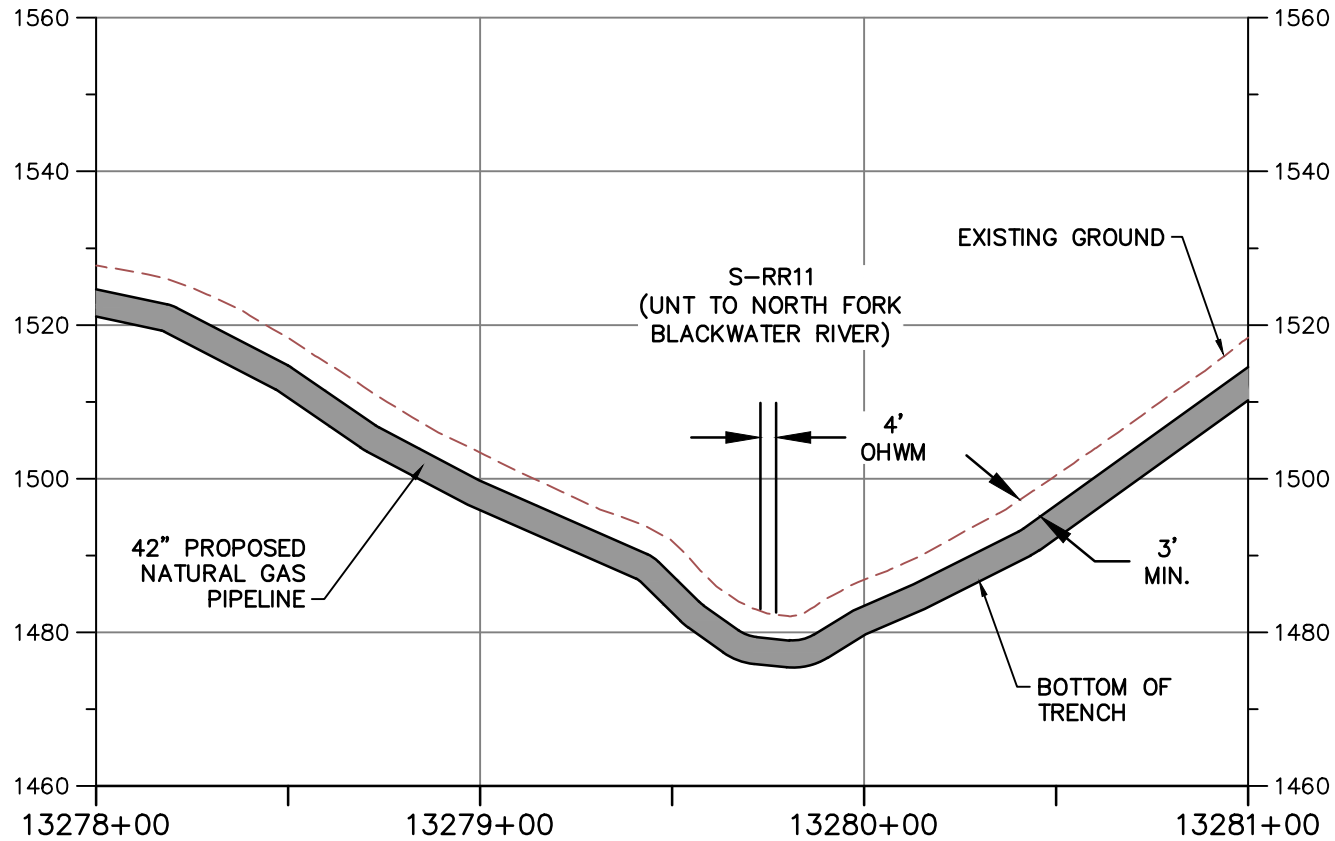
STATION = 13273+34

COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

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PROJECT NO.:	112IC07157
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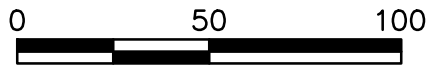




PROFILE A-A

HORIZONTAL

VERTICAL



SCALE IN FEET

SCALE IN FEET

NOTE:

1. MINIMUM 3' OF COVER BETWEEN STREAMBED AND TOP OF PIPELINE.
2. PROPOSED FILL WILL BE IN TRENCH AND WILL BE RESTORED TO PRECONSTRUCTION ELEVATIONS.
3. APPROVED ESC AND SWM MEASURES ARE NOT SHOWN FOR CLARITY



TETRA TECH

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661 ANDERSEN DRIVE - FOSTER PLAZA 7
PITTSBURGH, PA 15220
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STREAM CROSSING

STREAM NAME: S-RR11 (UNT TO NORTH FORK BLACKWATER RIVER)

LAT./LONG. = 37.101127, -80.039653

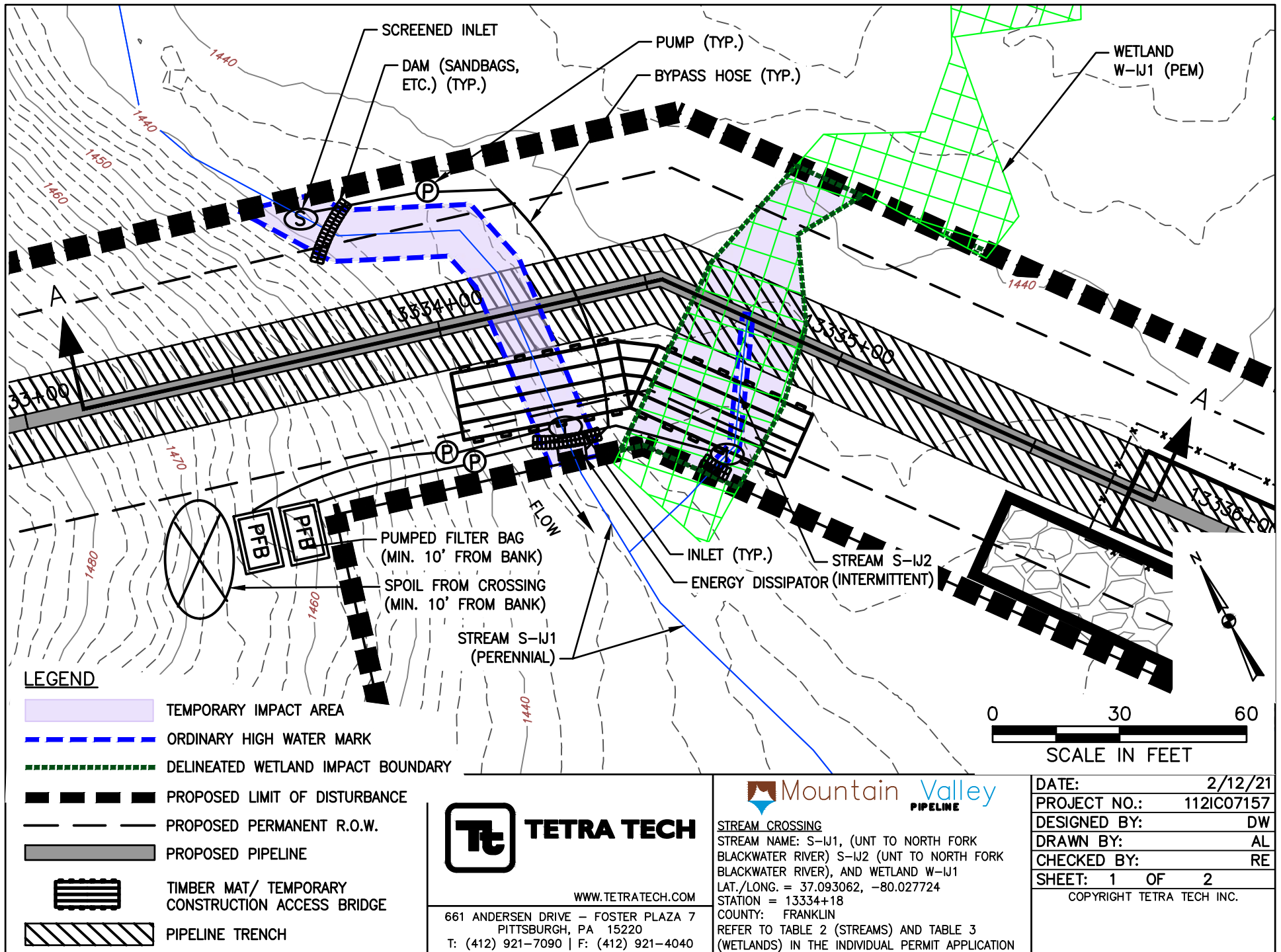
STATION = 13279+75

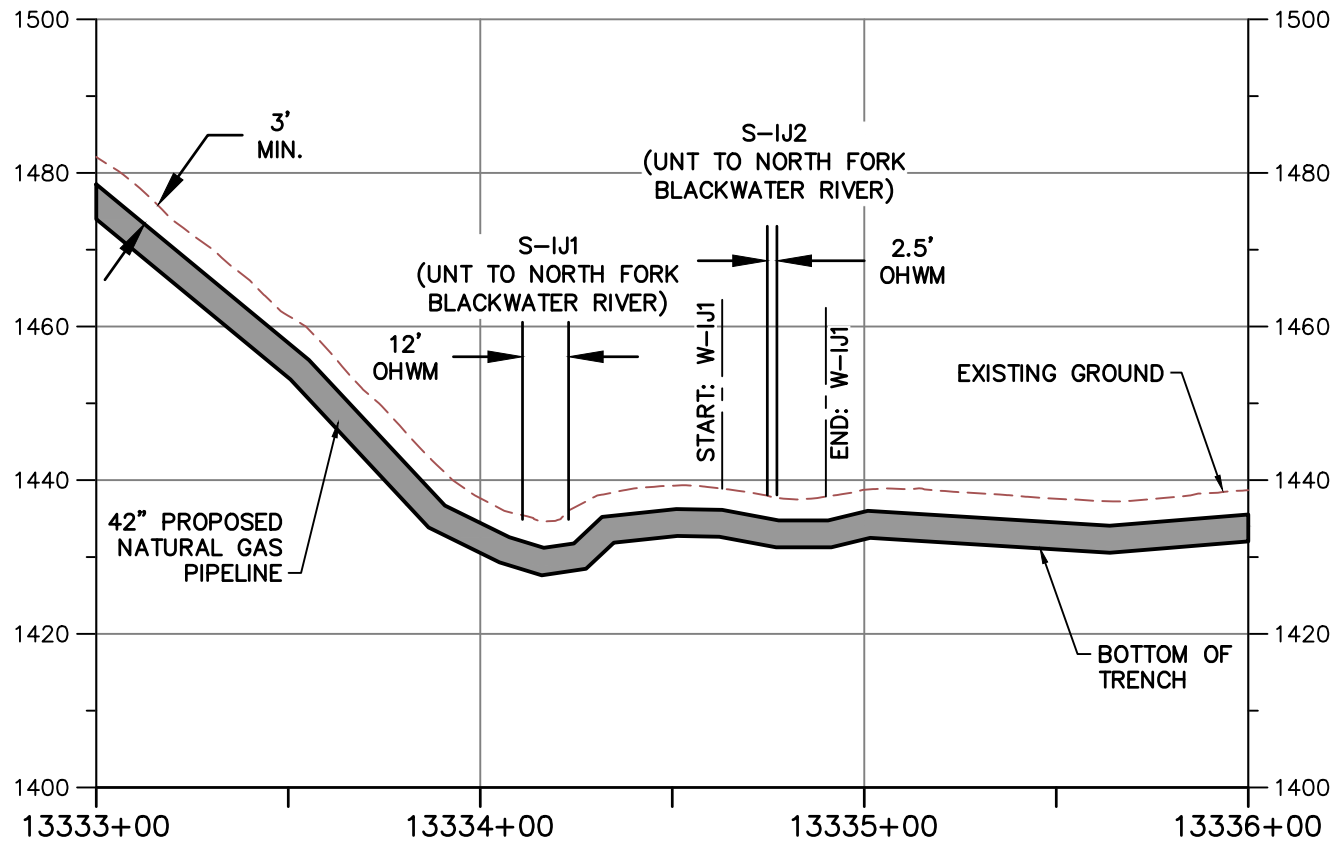
COUNTY: FRANKLIN

REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE:	2/12/21
PROJECT NO.:	112IC07157
DESIGNED BY:	DW
DRAWN BY:	ER
CHECKED BY:	RE
SHEET: 2 OF 2	

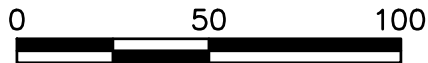
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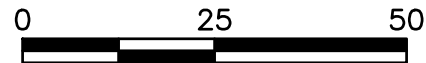
PROFILE A-A

HORIZONTAL



SCALE IN FEET

VERTICAL



SCALE IN FEET

NOTE:

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STREAM CROSSING

STREAM NAME: S-IJ1, (UNT TO NORTH FORK BLACKWATER RIVER) S-IJ2 (UNT TO NORTH FORK BLACKWATER RIVER), AND WETLAND W-IJ1
LAT./LONG. = 37.093062, -80.027724
STATION = 13334+18
COUNTY: FRANKLIN
REFER TO TABLE 2 (STREAMS) AND TABLE 3 (WETLANDS) IN THE INDIVIDUAL PERMIT APPLICATION

DATE: 2/12/21
PROJECT NO.: 112IC07157
DESIGNED BY: DW
DRAWN BY: AL
CHECKED BY: RE
SHEET: 2 OF 2
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