



**Transcontinental Gas Pipe Line Company, LLC**

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**NORTHEAST SUPPLY  
ENHANCEMENT PROJECT**

**REQUIREMENT F – PLANS**

**PADEP CHAPTER 105/USACE SECTION 404 JOINT PERMIT APPLICATION**

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**JUNE 2025**



TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

NORTHEAST SUPPLY ENHANCEMENT PROJECT  
QUARRYVILLE LOOP

CHAPTER 105 WATER OBSTRUCTION AND  
ENCROACHMENT PERMIT APPLICATION

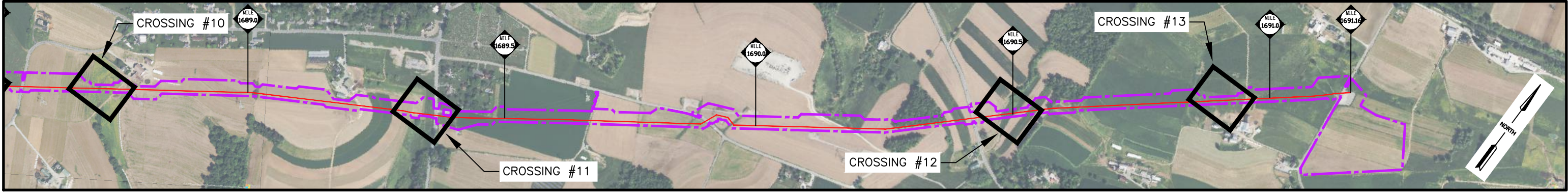
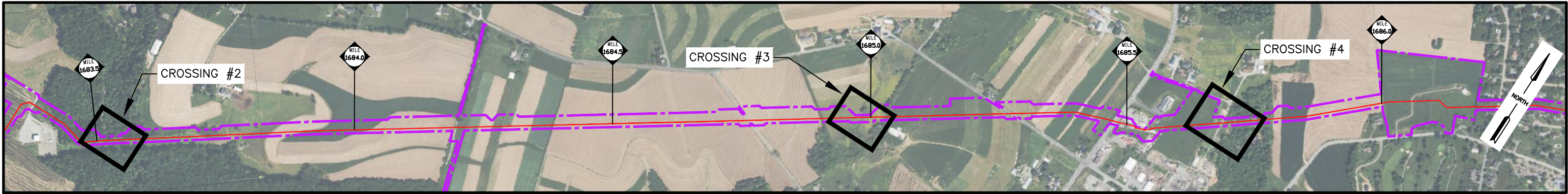
LANCASTER COUNTY, PA

10.16 MILES - M.P. 1681.00 TO M.P. 1691.16

|              |         |                 |           |                             |                        |                            |
|--------------|---------|-----------------|-----------|-----------------------------|------------------------|----------------------------|
| <div></div>  |         | SHEET INDEX     |           |                             |                        |                            |
|              |         | CROSSING NUMBER | MILE POST | DESCRIPTION                 | PLAN VIEW SHEET NUMBER | CROSS SECTION SHEET NUMBER |
|              |         | N/A             | —         | COVER SHEET                 | 1                      | —                          |
|              |         | N/A             | —         | SHEET INDEX                 | 2                      | —                          |
|              |         | N/A             | —         | IMPACTS SUMMARY             | 3                      | —                          |
|              |         | N/A             | —         | KEY PLAN WITH AERIAL        | 4                      | —                          |
|              |         | N/A             | —         | KEY PLAN WITH USGS TOPO MAP | 5                      | —                          |
|              |         | 1               | 1681.87   | WW-T02-008                  | 6                      | 9                          |
|              |         |                 |           | WW-T02-008A                 |                        |                            |
|              |         |                 |           | WW-T02-006A-1               |                        |                            |
|              |         | 2               | 1683.52   | WW-T02-013                  | 7                      | 9                          |
|              |         |                 |           | W-T02-012A-1                |                        |                            |
|              |         |                 |           | W-T02-012B-1                |                        |                            |
|              |         |                 |           | WB-T02-012                  |                        |                            |
|              |         | N/A             | 1683.5    | W-T02-007A-1 LOCATION MAP   | 8                      | —                          |
|              |         | 3               | 1684.98   | WW-T02-010                  | 10                     | 12                         |
|              |         |                 |           | W-T02-008A-1                |                        |                            |
|              |         |                 |           | W-T02-008B-1                |                        |                            |
|              |         | 4               | 1685.72   | WW-T02-001                  | 11                     | 12                         |
|              |         |                 |           | W-T02-001A-1                |                        |                            |
| W-T02-001A-2 |         |                 |           |                             |                        |                            |
| W-T02-001B-1 |         |                 |           |                             |                        |                            |
| W-T02-001C-1 |         |                 |           |                             |                        |                            |
| 5            | 1686.51 | WW-T02-005      | 13        | 15                          |                        |                            |
| 6            | 1686.61 | WW-T02-006      | 14        | 15                          |                        |                            |
| 7            | 1687.39 | WW-T02-007      | 16        | 18                          |                        |                            |
|              |         | WW31001         |           |                             |                        |                            |
|              |         | W-T02-005A-1    |           |                             |                        |                            |
| 8            | 1688.10 | W-T02-009A-1    | 17        | 18                          |                        |                            |
|              |         | W-T02-009A-2    |           |                             |                        |                            |
| 9            | 1688.46 | WW-T02-011      | 19        | 22                          |                        |                            |
|              |         | W-T02-010A-1    |           |                             |                        |                            |
|              |         | W-T02-010B-1    |           |                             |                        |                            |
| 10           | 1688.71 | W-T06-001A-1    | 20        | 22                          |                        |                            |
| 11           | 1689.34 | WW-T06-001      | 21        | 22                          |                        |                            |
| 12           | 1690.47 | WW-T02-012      | 23        | 25                          |                        |                            |
|              |         | W-T02-011A-1    |           |                             |                        |                            |
| 13           | 1690.90 | W-T06-004A-1    | 24        | 25                          |                        |                            |

|        |                       |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|--------|-----------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| NOTES: | REVISIONS:            | SEAL: | OWNER:<br><div><br/>WILLIAMS, INC.<br/>ONE WILLIAMS CENTER<br/>PO BOX 2400<br/>TULSA, OK 74102-2400<br/>PHONE: (800) 945-5426</div> | CONSULTANT:<br><div><br/>WSP USA<br/>350 EAGLEVIEW BOULEVARD<br/>SUITE 250<br/>EXTON, PA 19341-1178<br/>PHONE: (610) 280-4000</div> | TRANSCONTINENTAL GAS PIPE LINE<br>COMPANY, LLC<br>NORTHEAST SUPPLY ENHANCEMENT<br>PROJECT QUARRYVILLE LOOP<br><br>SHEET INDEX<br><br>LANCASTER COUNTY, PENNSYLVANIA | PROJECT NO.:<br>US0044392.4002 |
|        | NO. DATE DESCRIPTION  |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     | DATE:<br>JUNE 2025             |
|        | 1                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     | SCALE:<br>NTS                  |
|        | 2                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|        | 3                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|        | 4                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|        | 5                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|        | 6                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|        | 7                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
|        | 8                     |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |
| 9      | SHEET NO.:<br>2 OF 25 |       |                                                                                                                                                                                                                          |                                                                                                                                                                                                                          |                                                                                                                                                                     |                                |





LEGEND

- LIMIT OF DISTURBANCE / PERMIT BOUNDARY
- PROPOSED 42" QUARRYVILLE LOOP
- CROSSING LOCATION



SCALE: 1" = 1000'

REVISIONS:

| NO. | DATE | DESCRIPTION |
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| 1   |      |             |
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SEAL:

OWNER:



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TRANSCONTINENTAL GAS PIPE LINE  
COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT  
PROJECT QUARRYVILLE LOOP

KEY PLAN WITH AERIAL

LANCASTER COUNTY, PENNSYLVANIA

PROJECT NO.:

US0044392.4002

DATE:

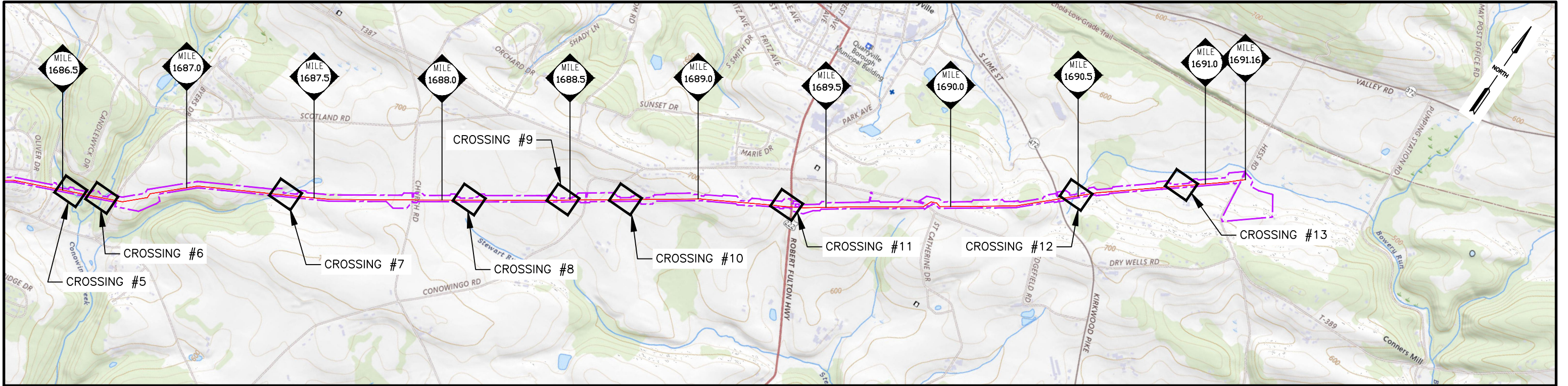
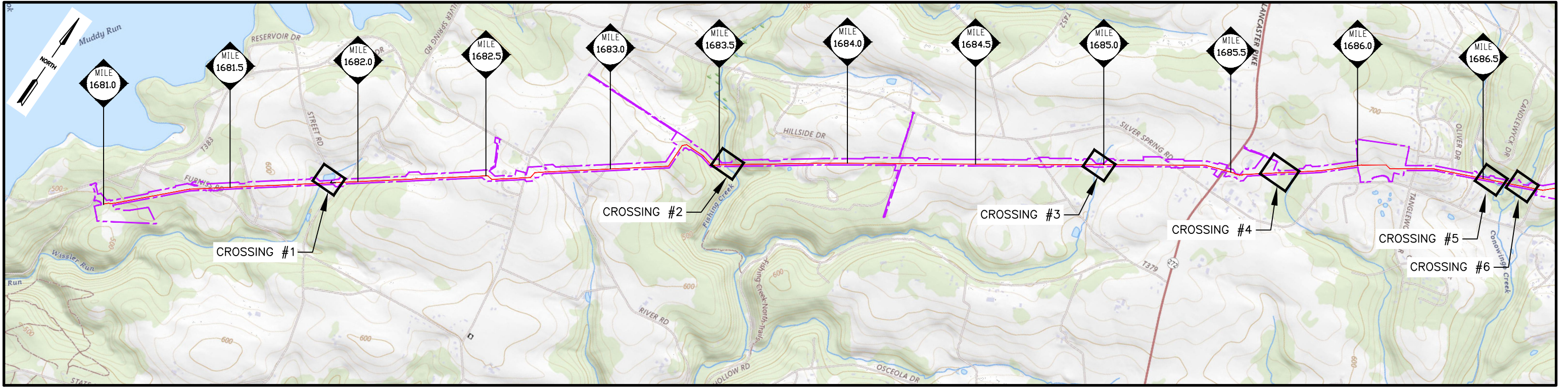
JUNE 2025

SCALE:

1" = 1000'

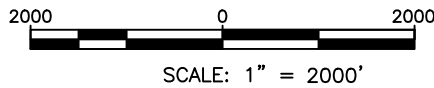
SHEET NO.:

4 OF 25



LEGEND

- LIMIT OF DISTURBANCE / PERMIT BOUNDARY
- PROPOSED 42" QUARRYVILLE LOOP
- CROSSING LOCATION



REVISIONS:

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TRANSCONTINENTAL GAS PIPE LINE  
COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT  
PROJECT QUARRYVILLE LOOP

KEY PLAN WITH USGS TOPO  
MAP

LANCASTER COUNTY, PENNSYLVANIA

PROJECT NO.:

US0044392.4002

DATE:

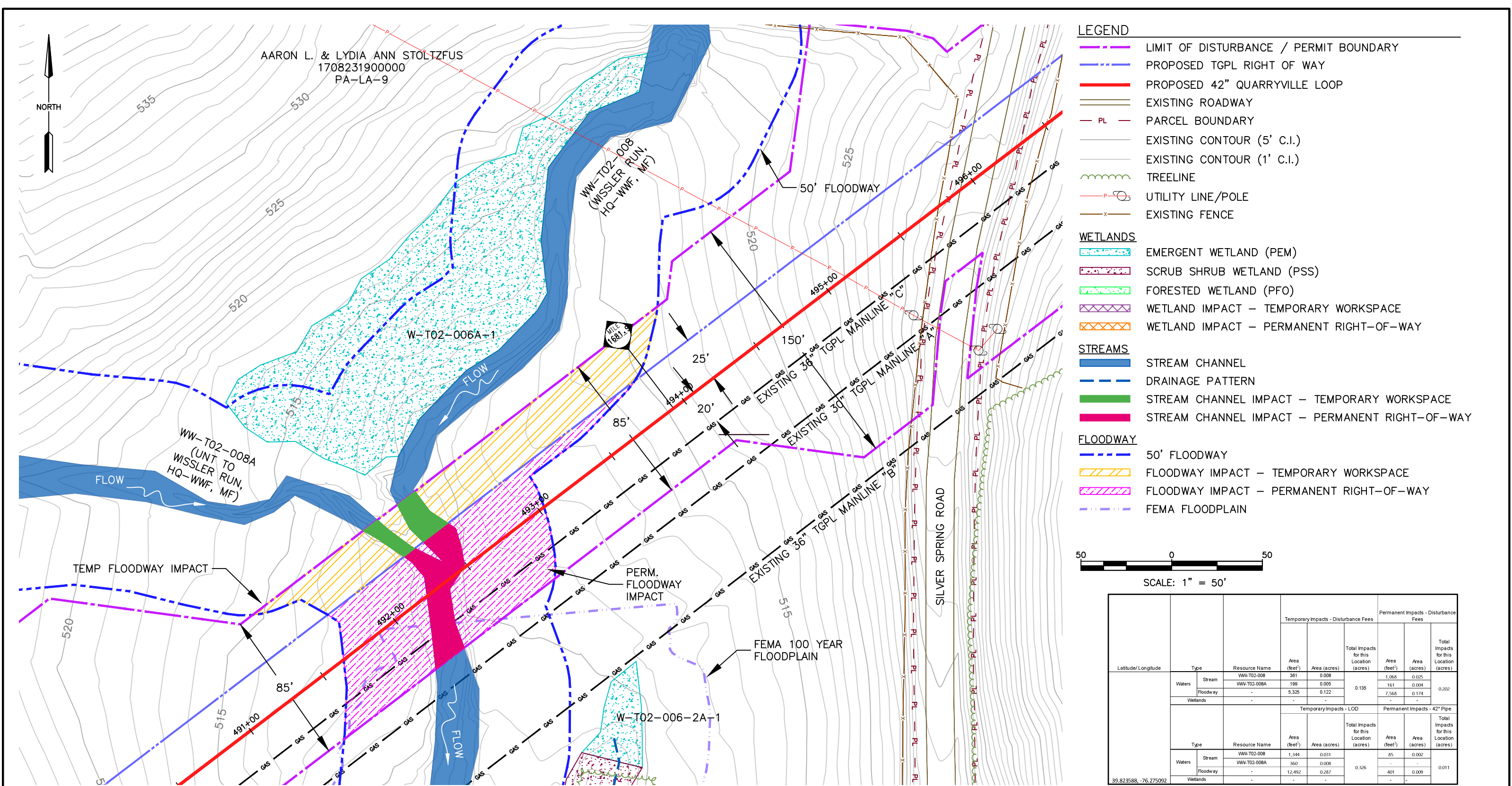
JUNE 2025

SCALE:

1" = 2000'

SHEET NO.:

5 OF 25



NOTES:

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP.
2. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
4. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
5. DATE OF FLYOVER: DECEMBER 2015

| REVISIONS: |      | DESCRIPTION |
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TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP

CROSSING 1  
WW-T02-008A, WW-T02-008, & W-T02-006A-1

DRUMORE TWP, LANCASTER CO, PENNSYLVANIA

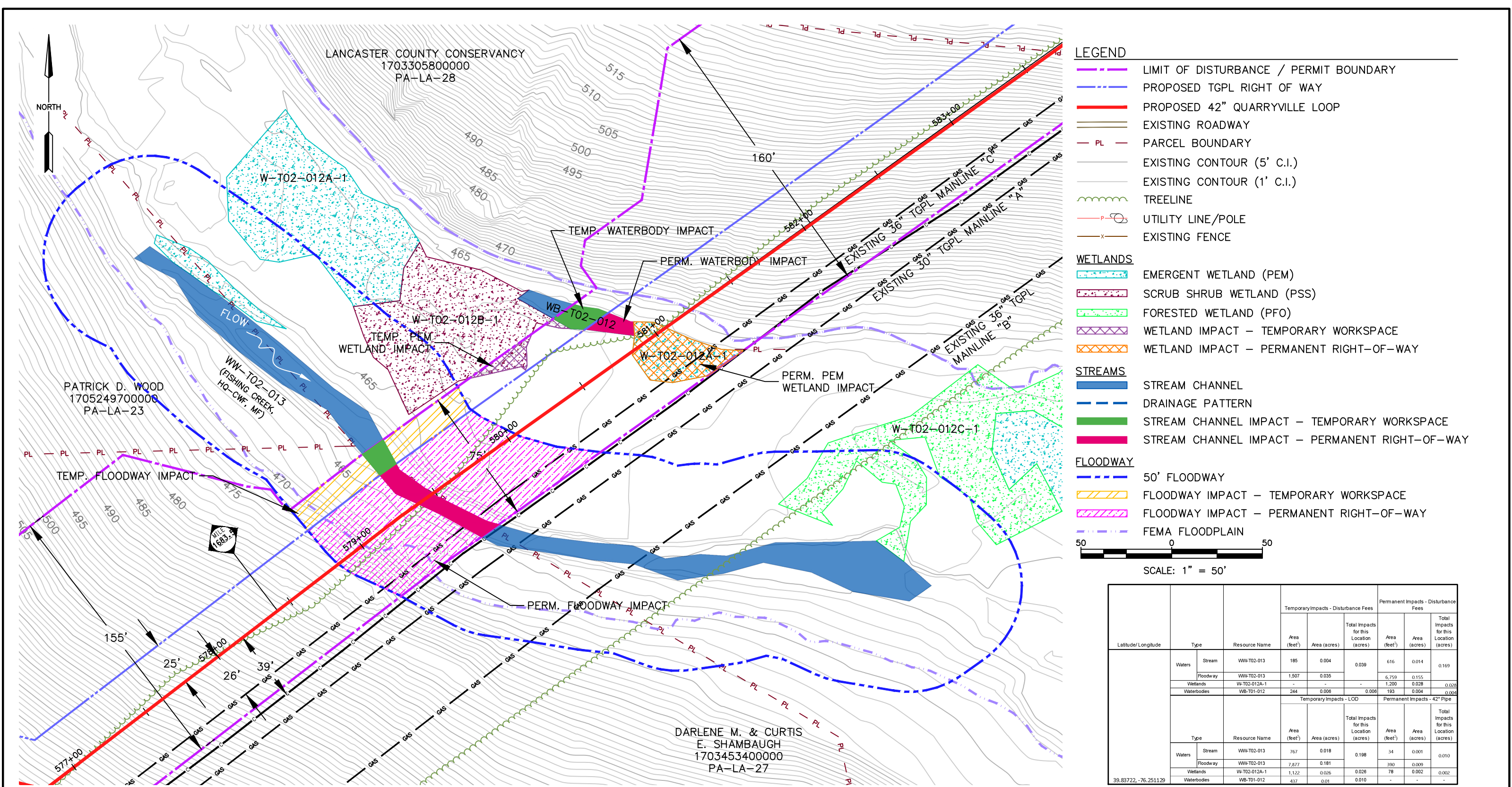
PROJECT NO.:  
US0044392.4002

DATE:  
JUNE 2025

SCALE:  
1" = 50'

SHEET NO.:  
6 OF 25

| Latitude/Longitude    |        | Type     | Resource Name | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|-----------------------|--------|----------|---------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                       |        |          |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.823588, -76.275092 | Waters | Stream   | WW-T02-008    | 361                                  | 0.008        | 0.135                                   | 1,068                                | 0.025        | 0.202                                   |
|                       |        | Floodway | WW-T02-008A   | 199                                  | 0.005        |                                         | 161                                  | 0.004        |                                         |
|                       |        | Wetlands | -             | 5,325                                | 0.122        |                                         | 7,568                                | 0.174        |                                         |
|                       | Waters | Stream   | WW-T02-008    | 1,344                                | 0.031        | 0.326                                   | 85                                   | 0.002        | 0.011                                   |
|                       |        | Floodway | WW-T02-008A   | 360                                  | 0.008        |                                         | -                                    | -            |                                         |
|                       |        | Wetlands | -             | 12,492                               | 0.287        |                                         | 401                                  | 0.009        |                                         |



**LEGEND**

- LIMIT OF DISTURBANCE / PERMIT BOUNDARY
- PROPOSED TGPL RIGHT OF WAY
- PROPOSED 42" QUARRYVILLE LOOP
- EXISTING ROADWAY
- PL - PARCEL BOUNDARY
- EXISTING CONTOUR (5' C.I.)
- EXISTING CONTOUR (1' C.I.)
- TREELINE
- P - UTILITY LINE/POLE
- x - EXISTING FENCE

**WETLANDS**

- EMERGENT WETLAND (PEM)
- SCRUB SHRUB WETLAND (PSS)
- FORESTED WETLAND (PFO)
- WETLAND IMPACT - TEMPORARY WORKSPACE
- WETLAND IMPACT - PERMANENT RIGHT-OF-WAY

**STREAMS**

- STREAM CHANNEL
- DRAINAGE PATTERN
- STREAM CHANNEL IMPACT - TEMPORARY WORKSPACE
- STREAM CHANNEL IMPACT - PERMANENT RIGHT-OF-WAY

**FLOODWAY**

- 50' FLOODWAY
- FLOODWAY IMPACT - TEMPORARY WORKSPACE
- FLOODWAY IMPACT - PERMANENT RIGHT-OF-WAY
- FEMA FLOODPLAIN

SCALE: 1" = 50'

| Latitude/Longitude   | Type        | Resource Name       | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|----------------------|-------------|---------------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                      |             |                     | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.83722, -76.251129 | Waters      | Stream WW-T02-013   | 185                                  | 0.004        | 0.039                                   | 616                                  | 0.014        | 0.169                                   |
|                      |             | Floodway WW-T02-013 | 1,507                                | 0.035        | -                                       | 6,759                                | 0.155        | -                                       |
|                      | Wetlands    | W-T02-012A-1        | -                                    | -            | -                                       | 1,200                                | 0.028        | 0.028                                   |
|                      | Waterbodies | WB-T01-012          | 244                                  | 0.006        | 0.006                                   | 193                                  | 0.004        | 0.004                                   |
|                      |             |                     | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |
|                      | Type        | Resource Name       | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
|                      | Waters      | WW-T02-013          | 767                                  | 0.018        | 0.198                                   | 34                                   | 0.001        | 0.010                                   |
|                      |             |                     | 7,877                                | 0.181        | -                                       | 390                                  | 0.009        | -                                       |
|                      |             |                     | 1,122                                | 0.026        | 0.026                                   | 78                                   | 0.002        | 0.002                                   |
|                      |             |                     | 437                                  | 0.01         | 0.010                                   | -                                    | -            | -                                       |

**NOTES:**

- STREAM CROSSING METHOD SHALL BE DAM AND PUMP, WETLAND CROSSING SHALL BE CONVENTIONAL LAY.
- SEE REQUIREMENT T - MITIGATION PLAN AND/OR E&S PLAN DRAWINGS FOR THE VERNAL POOL RESTORATION PLAN, SPECIFIC TO THIS CROSSING.
- COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
- ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
- STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
- DATE OF FLYOVER: DECEMBER 2015

**REVISIONS:**

| NO. | DATE | DESCRIPTION |
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**SEAL:**

**OWNER:**

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**CONSULTANT:**

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PHONE: (610) 280-4000

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**

NORTHEAST SUPPLY ENHANCEMENT  
PROJECT QUARRYVILLE LOOP

**CROSSING 2**  
WW-T02-013, W-T02-012A-1,  
W-T02-012B-1, & WB-T02-012

DRUMORE TWP, LANCASTER CO,  
PENNSYLVANIA

**PROJECT NO.:**

US0044392.4002

**DATE:**

JUNE 2025

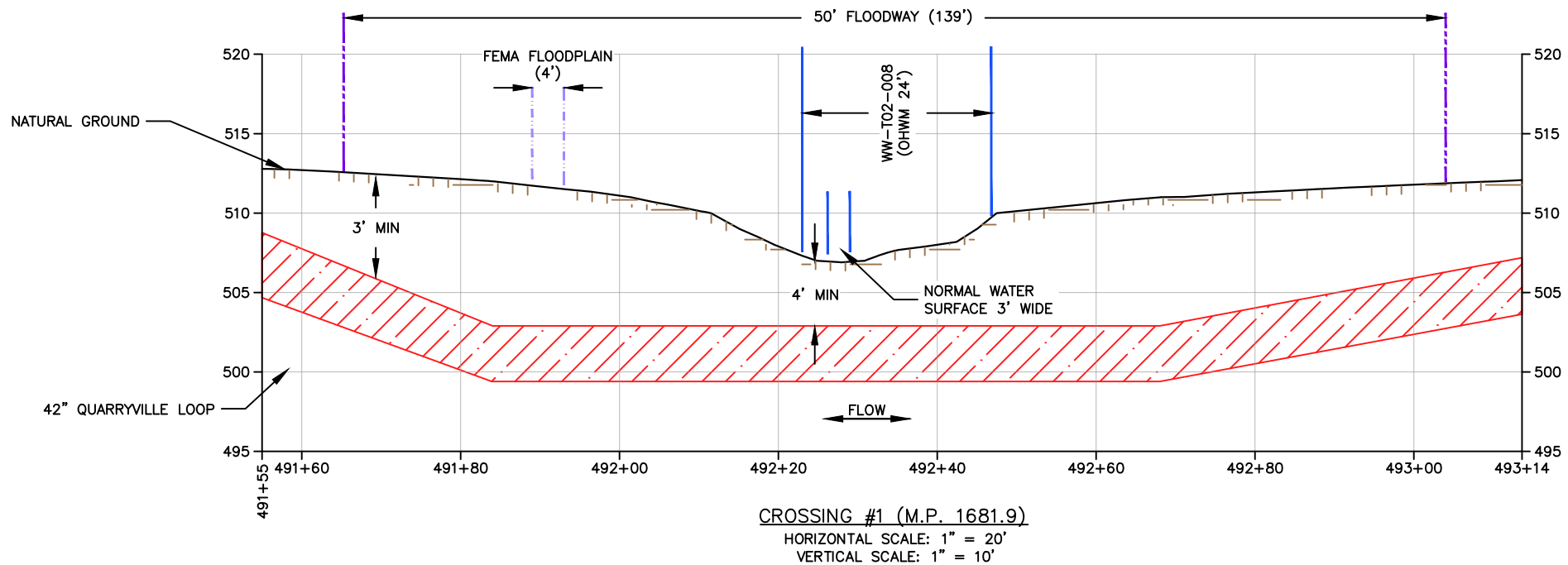
**SCALE:**

1" = 50'

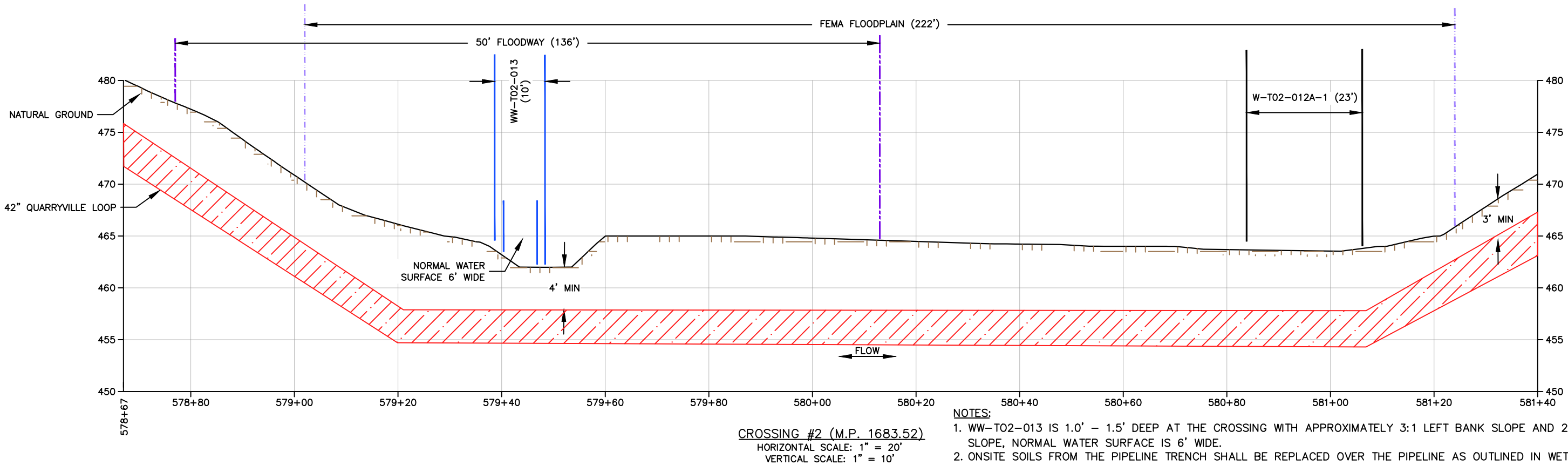
**SHEET NO.:**

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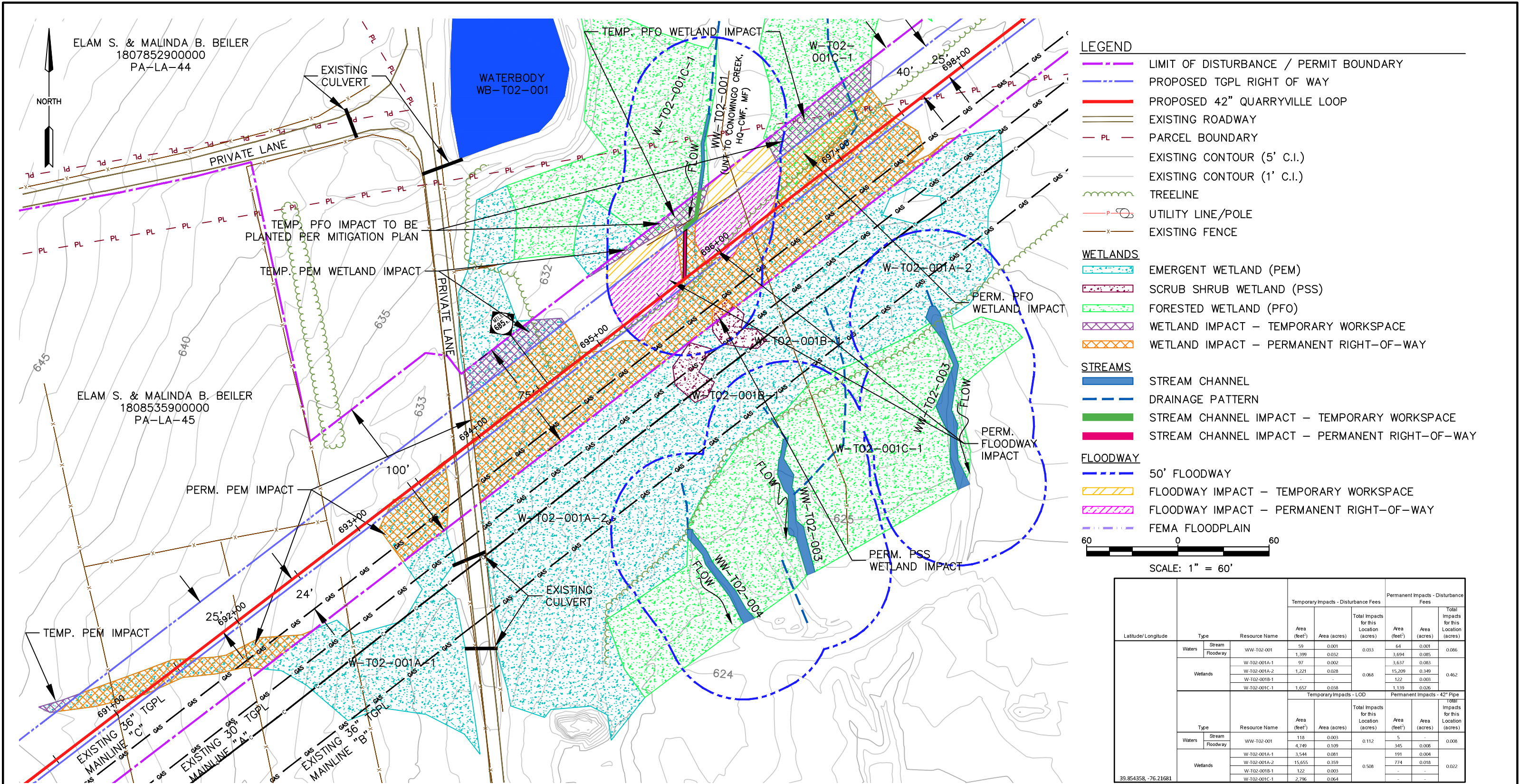
- NOTES:
1. WW-T02-008 IS 0.5' – 1' DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 LEFT BANK SLOPES AND 3:1 RIGHT BANK SLOPE, NORMAL WATER SURFACE IS 3' WIDE.
  2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  3. RESTORE STREAM TO PRE-CONSTRUCTION CONTOURS.
  4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.



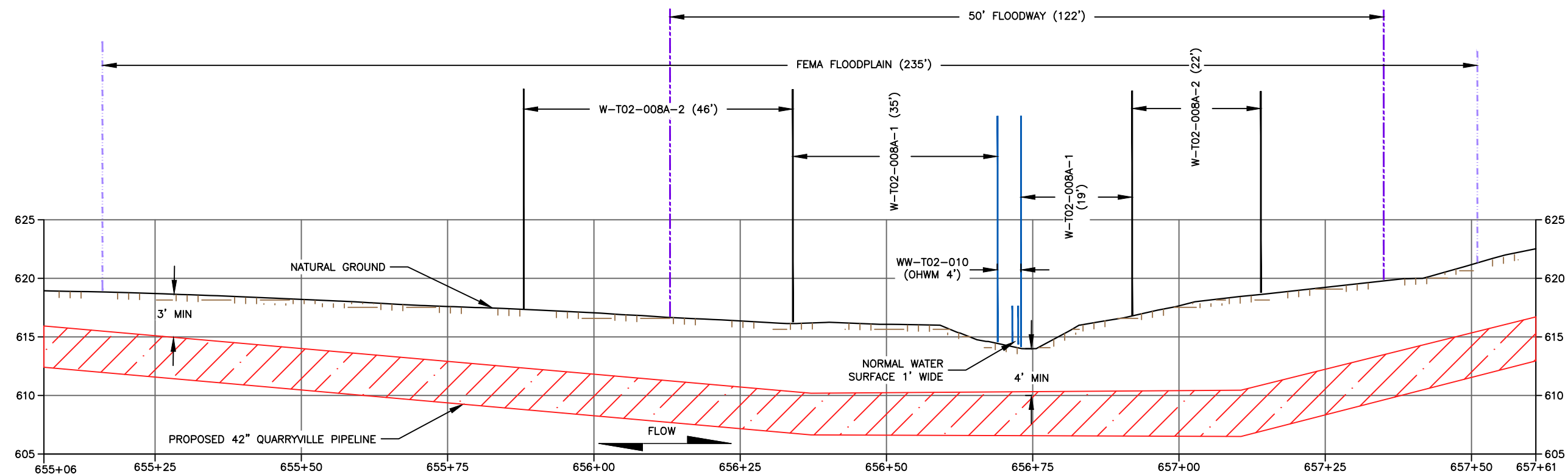
- NOTES:
1. WW-T02-013 IS 1.0' – 1.5' DEEP AT THE CROSSING WITH APPROXIMATELY 3:1 LEFT BANK SLOPE AND 2:1 RIGHT BANK SLOPE, NORMAL WATER SURFACE IS 6' WIDE.
  2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  3. RESTORE STREAM AND WETLAND TO PRE-CONSTRUCTION CONTOURS.
  4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

|        |                      |       |        |             |                                                                                                                                                                                             |                |
|--------|----------------------|-------|--------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| NOTES: | REVISIONS:           | SEAL: | OWNER: | CONSULTANT: | TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC<br>NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP<br><br>CROSS SECTIONS<br>CROSSING 1 & CROSSING 2<br><br>LANCASTER COUNTY, PENNSYLVANIA | PROJECT NO.:   |
|        | NO. DATE DESCRIPTION |       |        |             |                                                                                                                                                                                             | US0044392.4002 |
|        | 1                    |       |        |             |                                                                                                                                                                                             | DATE:          |
|        | 2                    |       |        |             |                                                                                                                                                                                             | JUNE 2025      |
|        | 3                    |       |        |             |                                                                                                                                                                                             | SCALE:         |
|        | 4                    |       |        |             |                                                                                                                                                                                             | AS SHOWN       |
|        | 5                    |       |        |             |                                                                                                                                                                                             | SHEET NO.:     |
|        | 6                    |       |        |             |                                                                                                                                                                                             | 9 OF 25        |
|        | 7                    |       |        |             |                                                                                                                                                                                             |                |
|        | 8                    |       |        |             |                                                                                                                                                                                             |                |
|        | 9                    |       |        |             |                                                                                                                                                                                             |                |



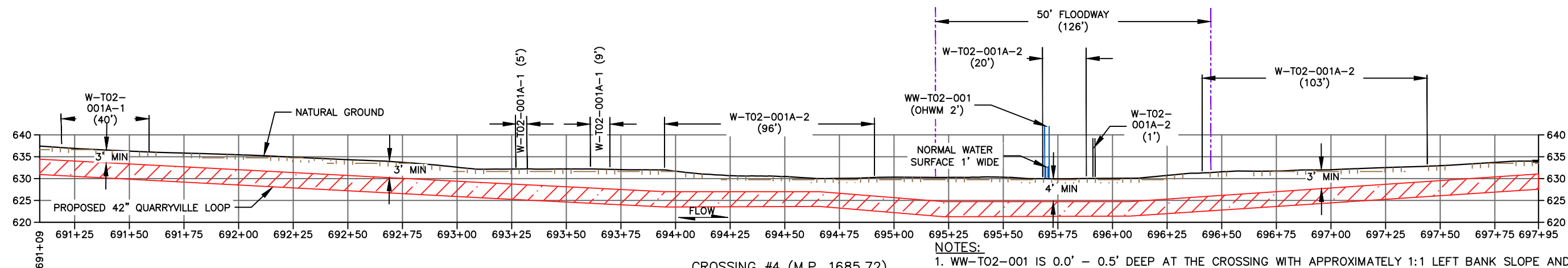


| <div>NOTES:</div> <div><div>1. WETLAND CROSSING SHALL BE CONVENTIONAL LAY METHOD.</div><div>2. SEE REQUIREMENT T – MITIGATION PLAN AND/OR E&amp;S PLAN DRAWINGS FOR THE RESTRICTIVE LAYER RESTORATION PLAN, SPECIFIC TO THIS CROSSING.</div><div>3. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.</div><div>4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.</div><div>5. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".</div><div>6. DATE OF FLYOVER: DECEMBER 2015.</div></div> | <div>REVISIONS:</div> <table><tr><th>NO.</th><th>DATE</th><th>DESCRIPTION</th></tr><tr><td>1</td><td></td><td></td></tr><tr><td>2</td><td></td><td></td></tr><tr><td>3</td><td></td><td></td></tr><tr><td>4</td><td></td><td></td></tr><tr><td>5</td><td></td><td></td></tr><tr><td>6</td><td></td><td></td></tr><tr><td>7</td><td></td><td></td></tr><tr><td>8</td><td></td><td></td></tr><tr><td>9</td><td></td><td></td></tr></table> | NO.  | DATE        | DESCRIPTION | 1 |  |  | 2 |  |  | 3 |  |  | 4 |  |  | 5 |  |  | 6 |  |  | 7 |  |  | 8 |  |  | 9 |  |  | <div>SEAL:</div> | <div>OWNER:</div> <div></div> <div>WILLIAMS, INC.<br/>ONE WILLIAMS CENTER<br/>PO BOX 2400<br/>TULSA, OK 74102-2400<br/>PHONE: (800) 945-5426</div> | <div>CONSULTANT:</div> <div></div> <div>WSP USA<br/>350 EAGLEVIEW BOULEVARD<br/>SUITE 250<br/>EXTON, PA 19341-1178<br/>PHONE: (610) 280-4000</div> | <div>TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC<br/>NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP</div> <div>CROSSING 4</div> <div>WW-T02-001, W-T02-001A-1, W-T02-001A-2, W-T02-001B-1, &amp; W-T02-001C-1</div> <div>EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA</div> | <div>PROJECT NO.:</div> <div>US0044392.4002</div> <div>DATE:</div> <div>JUNE 2025</div> <div>SCALE:</div> <div>1" = 60'</div> <div>SHEET NO.:</div> <div>11 OF 25</div> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-------------|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|---|--|--|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NO.                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE | DESCRIPTION |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |             |             |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |   |  |  |                  |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                         |



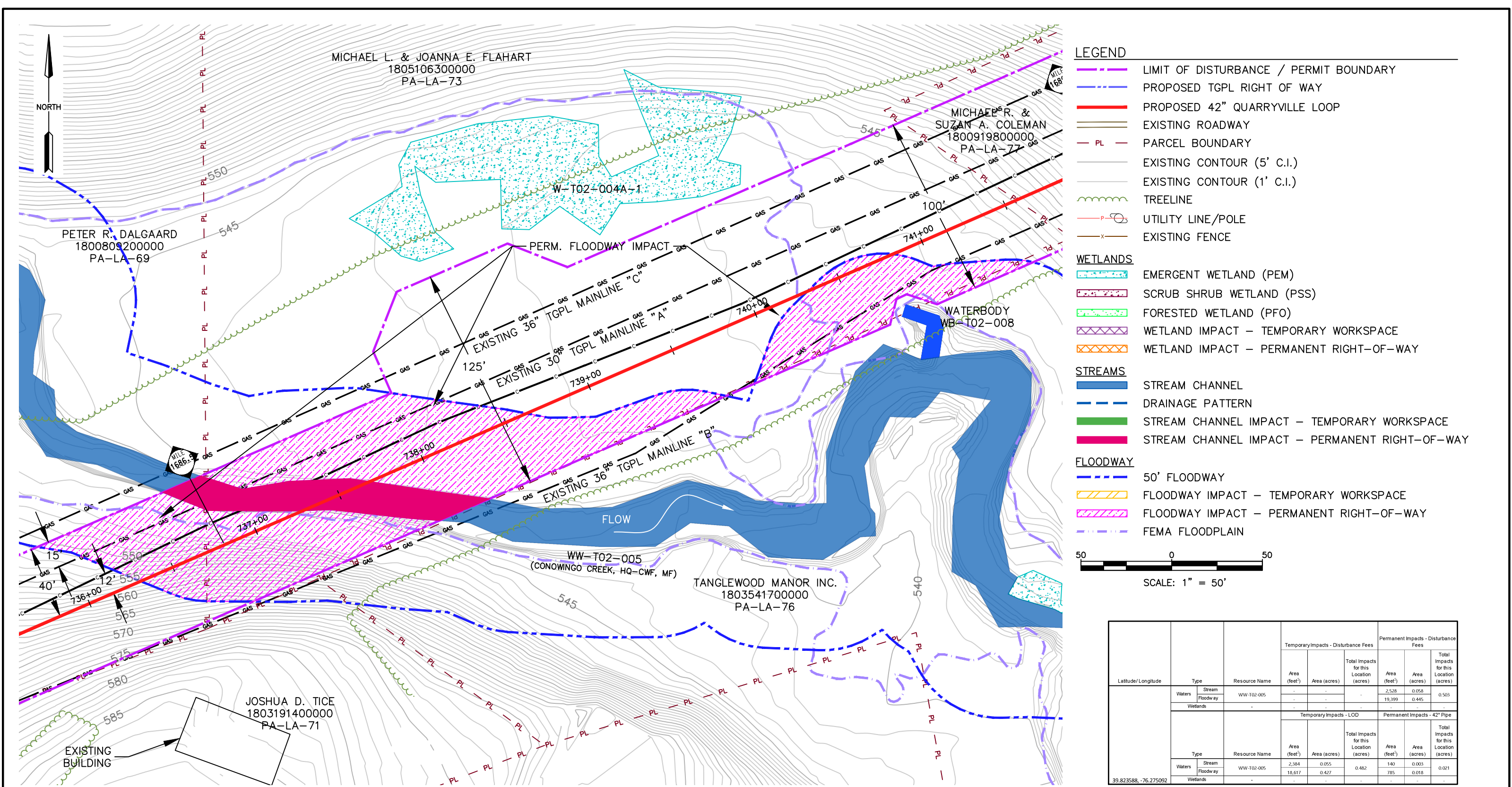
- NOTES:
1. WW-T02-010 IS 0.5' - 1' DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 LEFT BANK SLOPE AND 4:1 RIGHT BANK SLOPE, NORMAL WATER SURFACE IS 1' WIDE.
  2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  3. RESTORE STREAM AND WETLANDS TO PRE-CONSTRUCTION CONTOURS.
  4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

CROSSING #3 (M.P. 1684.98)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



- NOTES:
1. WW-T02-001 IS 0.0' - 0.5' DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 LEFT BANK SLOPE AND 4:1 RIGHT BANK SLOPE, NORMAL WATER SURFACE IS 1' WIDE.
  2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  3. RESTORE STREAM AND WETLANDS TO PRE-CONSTRUCTION CONTOURS.
  4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

|        |                      |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |
|--------|----------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| NOTES: | REVISIONS:           | SEAL: | OWNER:<br><div>Williams</div><br>WILLIAMS, INC.<br>ONE WILLIAMS CENTER<br>PO BOX 2400<br>TULSA, OK 74102-2400<br>PHONE: (800) 945-5426 | CONSULTANT:<br><div>WSP</div><br>WSP USA<br>350 EAGLEVIEW BOULEVARD<br>SUITE 250<br>EXTON, PA 19341-1178<br>PHONE: (610) 280-4000 | TRANSCONTINENTAL GAS PIPE LINE<br>COMPANY, LLC<br>NORTHEAST SUPPLY ENHANCEMENT<br>PROJECT QUARRYVILLE LOOP<br><br>CROSS SECTIONS<br>CROSSING 3 & CROSSING 4<br><br>LANCASTER COUNTY, PENNSYLVANIA | PROJECT NO.:   |
|        | NO. DATE DESCRIPTION |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | US0044392.4002 |
|        | 1                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | DATE:          |
|        | 2                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | JUNE 2025      |
|        | 3                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | SCALE:         |
|        | 4                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | AS SHOWN       |
|        | 5                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | SHEET NO.:     |
|        | 6                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | 12 OF 25       |
|        | 7                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |
|        | 8                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |
|        | 9                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |



**LEGEND**

LIMIT OF DISTURBANCE / PERMIT BOUNDARY

PROPOSED TGPL RIGHT OF WAY

PROPOSED 42" QUARRYVILLE LOOP

EXISTING ROADWAY

PL

PARCEL BOUNDARY

EXISTING CONTOUR (5' C.I.)

EXISTING CONTOUR (1' C.I.)

TREELINE

UTILITY LINE/POLE

x

EXISTING FENCE

**WETLANDS**

EMERGENT WETLAND (PEM)

SCRUB SHRUB WETLAND (PSS)

FORESTED WETLAND (PFO)

WETLAND IMPACT – TEMPORARY WORKSPACE

WETLAND IMPACT – PERMANENT RIGHT-OF-WAY

**STREAMS**

STREAM CHANNEL

DRAINAGE PATTERN

STREAM CHANNEL IMPACT – TEMPORARY WORKSPACE

STREAM CHANNEL IMPACT – PERMANENT RIGHT-OF-WAY

**FLOODWAY**

50' FLOODWAY

FLOODWAY IMPACT – TEMPORARY WORKSPACE

FLOODWAY IMPACT – PERMANENT RIGHT-OF-WAY

FEMA FLOODPLAIN

50

0

50

SCALE: 1" = 50'

| Latitude/Longitude    | Type     | Resource Name | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|-----------------------|----------|---------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                       |          |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.823588, -76.275092 | Waters   | Stream        | WW-T02-005                           | -            | -                                       | 2,528                                | 0.058        | 0.503                                   |
|                       | Waters   | Floodway      | WW-T02-005                           | -            | -                                       | 19,399                               | 0.445        | -                                       |
|                       | Wetlands |               |                                      | -            | -                                       | -                                    | -            | -                                       |
|                       |          |               |                                      | -            | -                                       | -                                    | -            | -                                       |
|                       | Type     | Resource Name | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |
|                       |          |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
|                       | Waters   | Stream        | WW-T02-005                           | 2,384        | 0.055                                   | 0.482                                | 140          | 0.003                                   |
|                       | Waters   | Floodway      | WW-T02-005                           | 18,617       | 0.427                                   | -                                    | 785          | 0.018                                   |
|                       | Wetlands |               |                                      | -            | -                                       | -                                    | -            | -                                       |

NOTES:

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP.

2. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.

3. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.

4. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".

5. DATE OF FLYOVER: DECEMBER 2015.

REVISIONS:

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| 1   |      |             |
| 2   |      |             |
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| 7   |      |             |
| 8   |      |             |
| 9   |      |             |

SEAL:

OWNER:

WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426

WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000

CONSULTANT:

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP  
  
CROSSING 5  
WW-T02-005  
  
EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA

PROJECT NO.:

US0044392.4002

DATE:

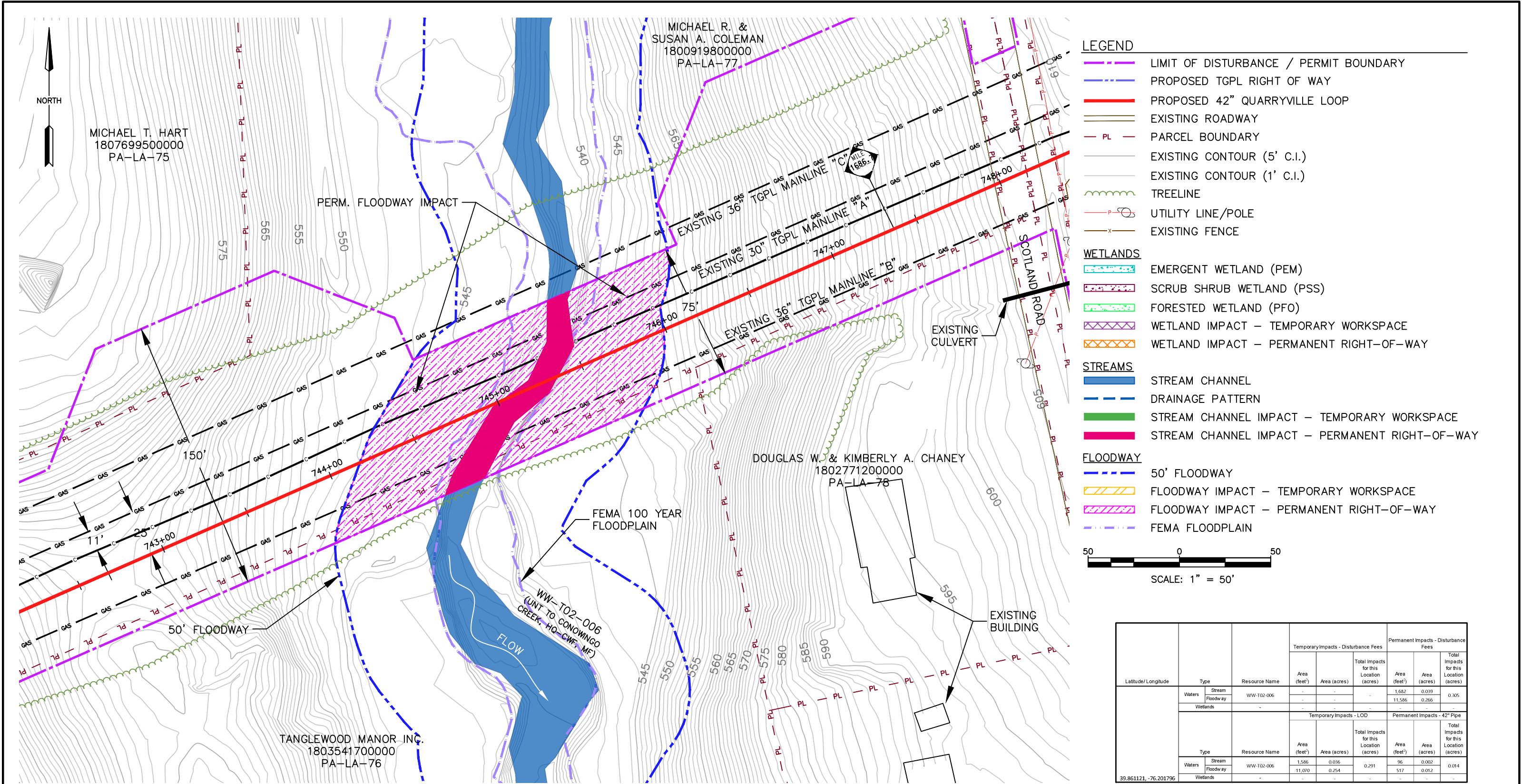
JUNE 2025

SCALE:

1" = 50'

SHEET NO.:

13 OF 25



NOTES:

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP.
2. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
4. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
5. DATE OF FLYOVER: DECEMBER 2015.

| REVISIONS: |      |             |
|------------|------|-------------|
| NO.        | DATE | DESCRIPTION |
| 1          |      |             |
| 2          |      |             |
| 3          |      |             |
| 4          |      |             |
| 5          |      |             |
| 6          |      |             |
| 7          |      |             |
| 8          |      |             |
| 9          |      |             |

SEAL:

OWNER:



WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426



WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000

CONSULTANT:

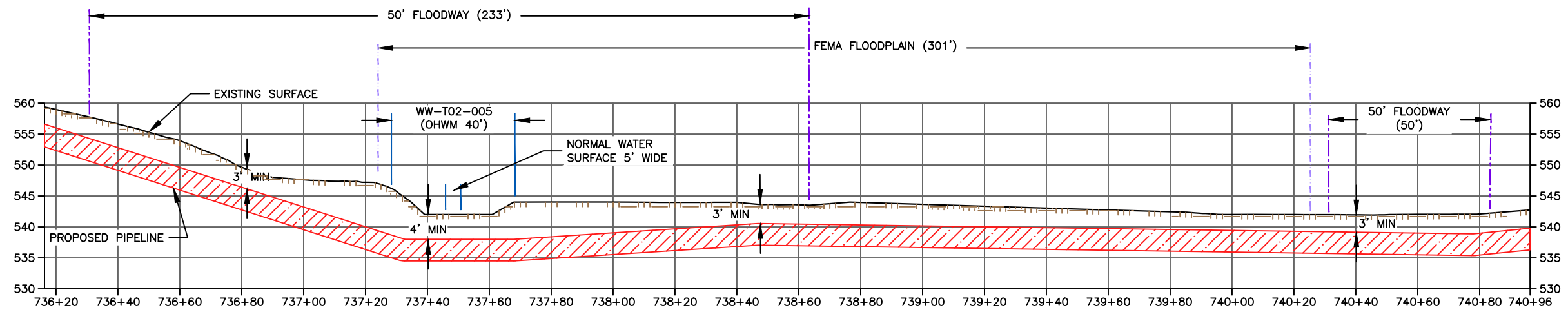
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP

CROSSING 6  
WW-T02-006

EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA

| PROJECT NO.:   |  |
|----------------|--|
| US0044392.4002 |  |
| DATE:          |  |
| JUNE 2025      |  |
| SCALE:         |  |
| 1" = 50'       |  |
| SHEET NO.:     |  |
| 14 OF 25       |  |

|                       |        |               | Temporary Impacts - Disturbance Fees |                         |                                         | Permanent Impacts - Disturbance Fees |                              |                                         |       |
|-----------------------|--------|---------------|--------------------------------------|-------------------------|-----------------------------------------|--------------------------------------|------------------------------|-----------------------------------------|-------|
| Latitude/Longitude    | Type   | Resource Name | Area (feet <sup>2</sup> )            | Area (acres)            | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres)                 | Total Impacts for this Location (acres) |       |
|                       |        |               |                                      |                         |                                         |                                      |                              |                                         |       |
| 39.861121, -76.201796 | Waters | Stream        | WW-T02-006                           | -                       | -                                       | 1,682                                | 0.039                        | 0.305                                   |       |
|                       |        | Floodway      |                                      | -                       | -                                       |                                      |                              |                                         |       |
|                       |        | Wetlands      |                                      | -                       | -                                       | 11,586                               | 0.266                        |                                         |       |
|                       |        |               |                                      | Temporary Impacts - LOD |                                         |                                      | Permanent Impacts - 42" Pipe |                                         |       |
|                       | Type   | Resource Name | Area (feet <sup>2</sup> )            | Area (acres)            | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres)                 | Total Impacts for this Location (acres) |       |
|                       | Waters | Stream        | WW-T02-006                           | 1,586                   | 0.036                                   | 0.291                                | 96                           | 0.002                                   | 0.014 |
|                       |        | Floodway      |                                      | 11,070                  | 0.254                                   |                                      | 517                          | 0.012                                   |       |
|                       |        | Wetlands      |                                      | -                       | -                                       |                                      |                              |                                         |       |

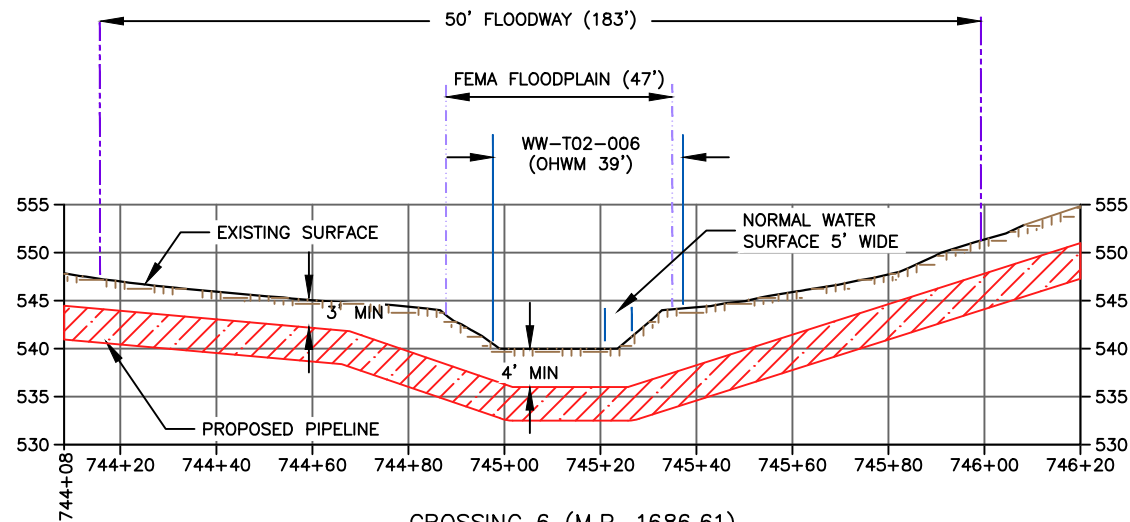


NOTES:

1. WW-T02-005 IS 2.0' - 3.0' DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 BANK SLOPES, NORMAL WATER SURFACE IS 5' WIDE.
2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
3. RESTORE STREAM TO PRE-CONSTRUCTION CONTOURS.
4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

CROSSING 5 (M.P. 1686.51)

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



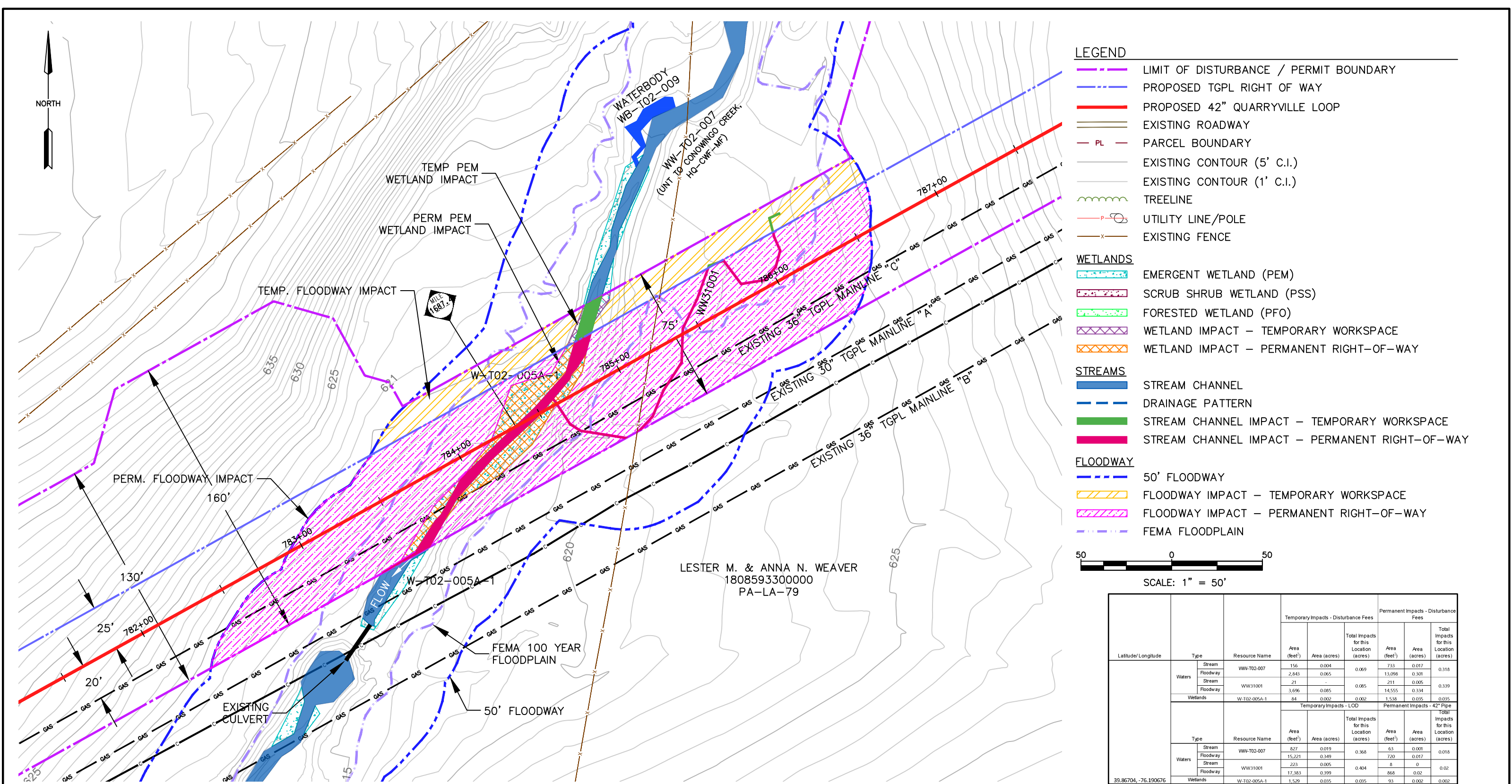
NOTES:

1. WW-T02-006 IS 1.5' - 2.0' DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 BANK SLOPES, NORMAL WATER SURFACE IS 5' WIDE.
2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
3. RESTORE STREAM TO PRE-CONSTRUCTION CONTOURS.
4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

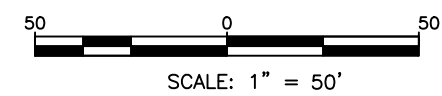
CROSSING 6 (M.P. 1686.61)

HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

|        |                      |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |
|--------|----------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| NOTES: | REVISIONS:           | SEAL: | OWNER:<br><br><b>Williams</b><br>WILLIAMS, INC.<br>ONE WILLIAMS CENTER<br>PO BOX 2400<br>TULSA, OK 74102-2400<br>PHONE: (800) 945-5426 | CONSULTANT:<br><br><b>WSP</b><br>WSP USA<br>350 EAGLEVIEW BOULEVARD<br>SUITE 250<br>EXTON, PA 19341-1178<br>PHONE: (610) 280-4000 | TRANSCONTINENTAL GAS PIPE LINE<br>COMPANY, LLC<br>NORTHEAST SUPPLY ENHANCEMENT<br>PROJECT QUARRYVILLE LOOP<br><br>CROSS SECTIONS<br>CROSSING 5 & CROSSING 6<br><br>LANCASTER COUNTY, PENNSYLVANIA | PROJECT NO.:   |
|        | NO. DATE DESCRIPTION |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | US0044392.4002 |
|        | 1                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | DATE:          |
|        | 2                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | JUNE 2025      |
|        | 3                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | SCALE:         |
|        | 4                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | AS SHOWN       |
|        | 5                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | SHEET NO.:     |
|        | 6                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   | 15 OF 25       |
|        | 7                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |
|        | 8                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |
|        | 9                    |       |                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                   |                |



- LEGEND**
- LIMIT OF DISTURBANCE / PERMIT BOUNDARY
  - PROPOSED TGPL RIGHT OF WAY
  - PROPOSED 42" QUARRYVILLE LOOP
  - EXISTING ROADWAY
  - PL --- PARCEL BOUNDARY
  - EXISTING CONTOUR (5' C.I.)
  - EXISTING CONTOUR (1' C.I.)
  - TREELINE
  - UTILITY LINE/POLE
  - EXISTING FENCE
- WETLANDS**
- EMERGENT WETLAND (PEM)
  - SCRUB SHRUB WETLAND (PSS)
  - FORESTED WETLAND (PFO)
  - WETLAND IMPACT - TEMPORARY WORKSPACE
  - WETLAND IMPACT - PERMANENT RIGHT-OF-WAY
- STREAMS**
- STREAM CHANNEL
  - DRAINAGE PATTERN
  - STREAM CHANNEL IMPACT - TEMPORARY WORKSPACE
  - STREAM CHANNEL IMPACT - PERMANENT RIGHT-OF-WAY
- FLOODWAY**
- 50' FLOODWAY
  - FLOODWAY IMPACT - TEMPORARY WORKSPACE
  - FLOODWAY IMPACT - PERMANENT RIGHT-OF-WAY
  - FEMA FLOODPLAIN



| Latitude/Longitude   | Type     | Resource Name       | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|----------------------|----------|---------------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                      |          |                     | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.86704, -76.190676 | Waters   | Stream WW-T02-007   | 156                                  | 0.004        | 0.009                                   | 733                                  | 0.017        | 0.318                                   |
|                      |          | Floodway WW-T02-007 | 2,843                                | 0.065        |                                         | 13,098                               | 0.301        |                                         |
|                      |          | Stream WW-T02-007   | 21                                   | -            | 0.005                                   | 211                                  | 0.005        | 0.339                                   |
|                      | Wetlands | W-T02-005A-1        | 3,696                                | 0.085        |                                         | 14,555                               | 0.334        |                                         |
|                      |          | W-T02-005A-1        | 84                                   | 0.002        | 0.002                                   | 1,538                                | 0.035        | 0.035                                   |
|                      |          | W-T02-005A-1        |                                      |              |                                         |                                      |              |                                         |
| Latitude/Longitude   | Type     | Resource Name       | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |
|                      |          |                     | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.86704, -76.190676 | Waters   | Stream WW-T02-007   | 827                                  | 0.019        | 0.368                                   | 63                                   | 0.001        | 0.018                                   |
|                      |          | Floodway WW-T02-007 | 15,221                               | 0.349        |                                         | 720                                  | 0.017        |                                         |
|                      |          | Stream WW-T02-007   | 223                                  | 0.005        | 0.404                                   | 8                                    | 0            | 0.02                                    |
|                      | Wetlands | W-T02-005A-1        | 17,383                               | 0.399        |                                         | 868                                  | 0.02         |                                         |
|                      |          | W-T02-005A-1        | 1,529                                | 0.035        | 0.035                                   | 93                                   | 0.002        | 0.002                                   |
|                      |          | W-T02-005A-1        |                                      |              |                                         |                                      |              |                                         |

**NOTES:**

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP, WETLANDS SHALL BE CONVENTIONAL LAY.
2. SEE REQUIREMENT T - MITIGATION PLAN AND/OR E&S PLAN DRAWINGS FOR THE RESTRICTIVE LAYER RESTORATION PLAN, SPECIFIC TO THIS CROSSING.
3. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
5. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
6. DATE OF FLYOVER: DECEMBER 2015.

**REVISIONS:**

| NO. | DATE | DESCRIPTION |
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**SEAL:**

**OWNER:**

**Williams.**

WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426

**CONSULTANT:**

**WSP**

WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**  
**NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP**

**CROSSING 7**  
**WW-T02-007 & W-T02-005A-1**

**EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA**

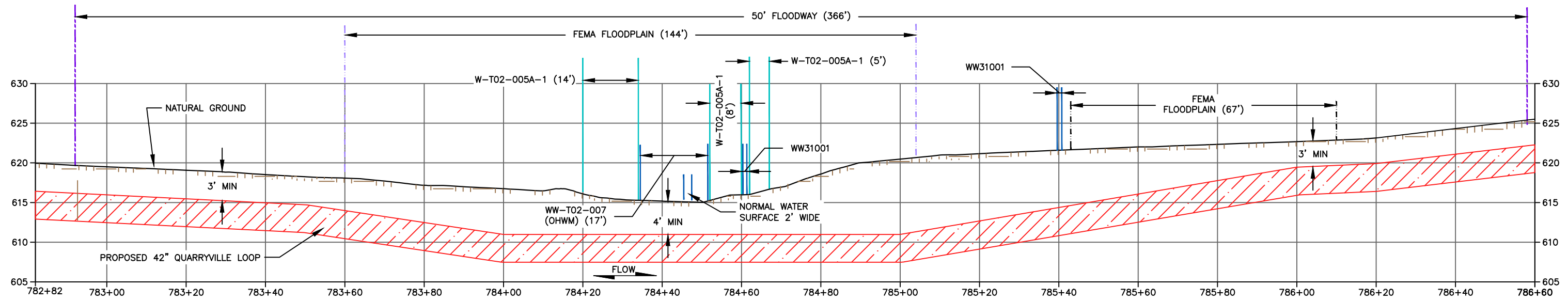
**PROJECT NO.:**  
**US0044392.4002**

**DATE:**  
**JUNE 2025**

**SCALE:**  
**1" = 50'**

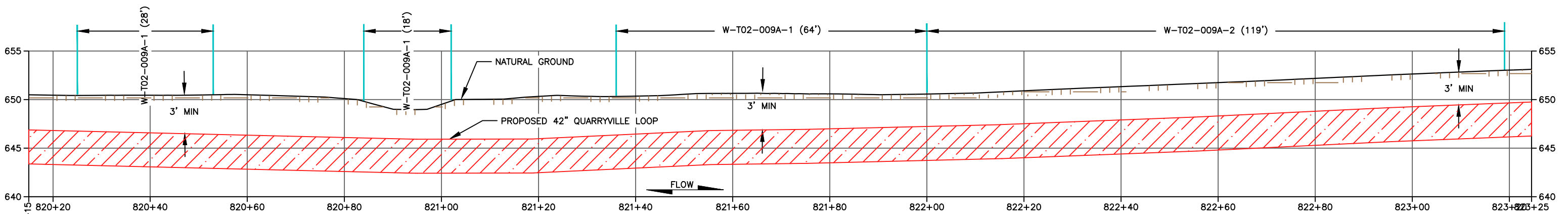
**SHEET NO.:**  
**16 OF 25**





CROSSING #7 (M.P. 1687.39)  
HORIZONTAL SCALE: 1" = 25'  
VERTICAL SCALE: 1" = 12.5'

- NOTES:
1. WW-T02-007 IS 0.5' - 1.0' DEEP AT THE CROSSING WITH APPROXIMATELY 4:1 BANK SLOPES, NORMAL WATER SURFACE IS 2' WIDE.
  2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  3. RESTORE STREAM AND WETLANDS TO PRE-CONSTRUCTION CONTOURS.
  4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.



CROSSING #8 (M.P. 1688.10)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

- NOTES:
1. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  2. RESTORE STREAM AND WETLANDS TO PRE-CONSTRUCTION CONTOURS.

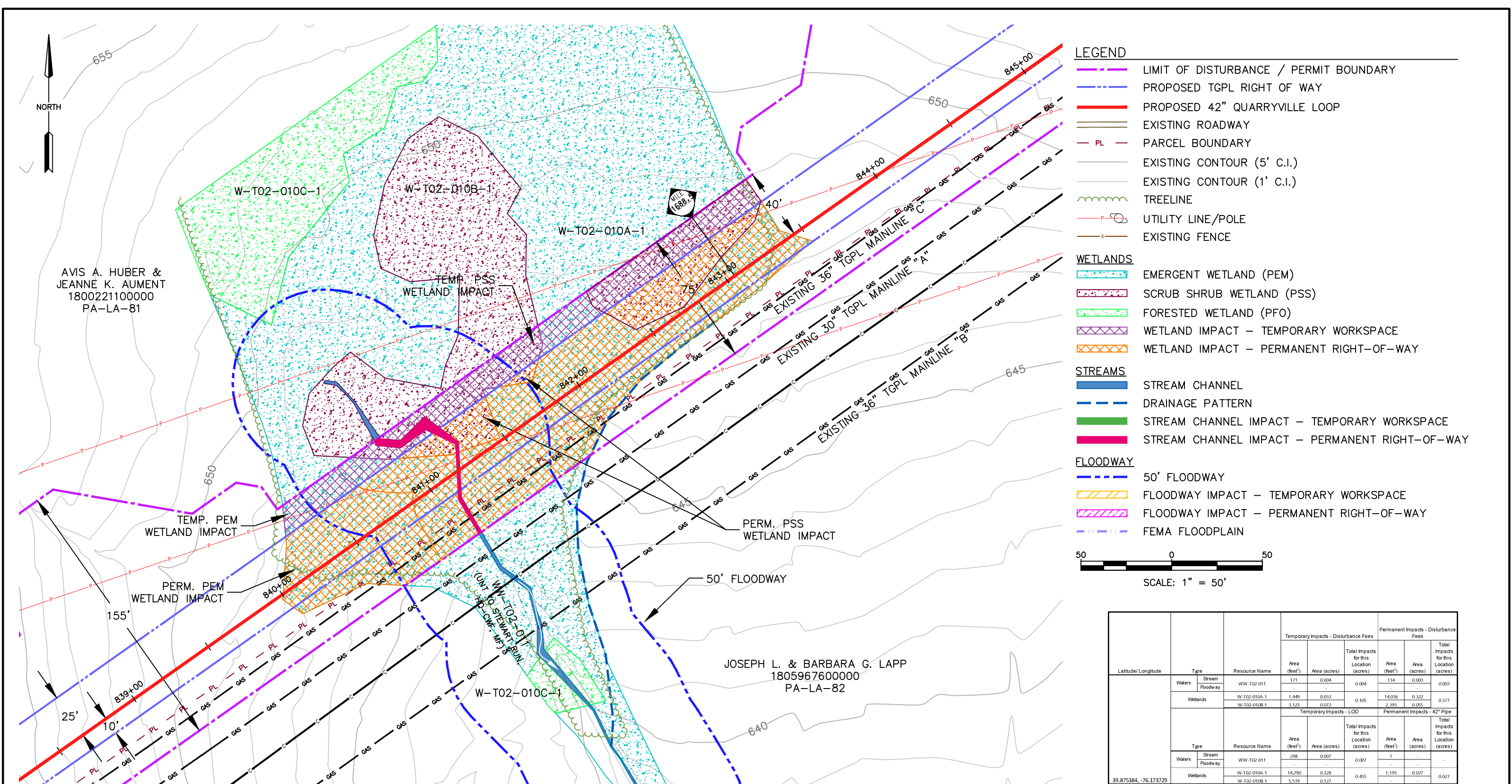
|        |            |      |       |        |             |                                                                                                                                                                                                   |                |
|--------|------------|------|-------|--------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| NOTES: | REVISIONS: |      | SEAL: | OWNER: | CONSULTANT: | TRANSCONTINENTAL GAS PIPE LINE<br>COMPANY, LLC<br>NORTHEAST SUPPLY ENHANCEMENT<br>PROJECT QUARRYVILLE LOOP<br><br>CROSS SECTIONS<br>CROSSING 7 & CROSSING 8<br><br>LANCASTER COUNTY, PENNSYLVANIA | PROJECT NO.:   |
|        | NO.        | DATE |       |        |             |                                                                                                                                                                                                   | US0044392.4002 |
|        | 1          |      |       |        |             |                                                                                                                                                                                                   | DATE:          |
|        | 2          |      |       |        |             |                                                                                                                                                                                                   | JUNE 2025      |
|        | 3          |      |       |        |             |                                                                                                                                                                                                   | SCALE:         |
|        | 4          |      |       |        |             |                                                                                                                                                                                                   | AS SHOWN       |
|        | 5          |      |       |        |             |                                                                                                                                                                                                   | SHEET NO.:     |
|        | 6          |      |       |        |             |                                                                                                                                                                                                   | 18 OF 25       |
|        | 7          |      |       |        |             |                                                                                                                                                                                                   |                |
|        | 8          |      |       |        |             |                                                                                                                                                                                                   |                |
|        | 9          |      |       |        |             |                                                                                                                                                                                                   |                |



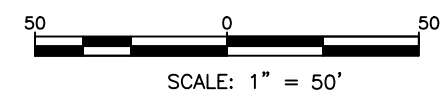
WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426



WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000



- LEGEND**
- LIMIT OF DISTURBANCE / PERMIT BOUNDARY
  - PROPOSED TGPL RIGHT OF WAY
  - PROPOSED 42" QUARRYVILLE LOOP
  - EXISTING ROADWAY
  - PL - PARCEL BOUNDARY
  - EXISTING CONTOUR (5' C.I.)
  - EXISTING CONTOUR (1' C.I.)
  - TREELINE
  - P - UTILITY LINE/POLE
  - x - EXISTING FENCE
- WETLANDS**
- EMERGENT WETLAND (PEM)
  - SCRUB SHRUB WETLAND (PSS)
  - FORESTED WETLAND (PFO)
  - WETLAND IMPACT - TEMPORARY WORKSPACE
  - WETLAND IMPACT - PERMANENT RIGHT-OF-WAY
- STREAMS**
- STREAM CHANNEL
  - DRAINAGE PATTERN
  - STREAM CHANNEL IMPACT - TEMPORARY WORKSPACE
  - STREAM CHANNEL IMPACT - PERMANENT RIGHT-OF-WAY
- FLOODWAY**
- 50' FLOODWAY
  - FLOODWAY IMPACT - TEMPORARY WORKSPACE
  - FLOODWAY IMPACT - PERMANENT RIGHT-OF-WAY
  - FEMA FLOODPLAIN



| Latitude/Longitude    | Type     | Resource Name      | Temporary Impacts - Disturbance Fees |                           |                                         | Permanent Impacts - Disturbance Fees    |                              |                                         |                                         |
|-----------------------|----------|--------------------|--------------------------------------|---------------------------|-----------------------------------------|-----------------------------------------|------------------------------|-----------------------------------------|-----------------------------------------|
|                       |          |                    | Area (feet <sup>2</sup> )            | Area (acres)              | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )               | Area (acres)                 | Total Impacts for this Location (acres) |                                         |
|                       |          |                    |                                      |                           |                                         |                                         |                              |                                         |                                         |
| 39.875384, -76.173729 | Waters   | Stream<br>Floodway | WW-T02-011                           | 171                       | 0.004                                   | 0.004                                   | 134                          | 0.003                                   | 0.003                                   |
|                       |          |                    |                                      |                           |                                         |                                         |                              |                                         |                                         |
|                       | Wetlands |                    | W-T02-010A-1                         | 1,449                     | 0.033                                   | 0.105                                   | 14,036                       | 0.322                                   | 0.377                                   |
|                       |          |                    | W-T02-010B-1                         | 3,123                     | 0.072                                   |                                         | 2,395                        | 0.055                                   |                                         |
|                       |          |                    |                                      |                           |                                         |                                         |                              |                                         |                                         |
|                       |          |                    |                                      | Temporary Impacts - LOD   |                                         |                                         | Permanent Impacts - 42" Pipe |                                         |                                         |
|                       |          |                    |                                      |                           |                                         |                                         |                              |                                         |                                         |
|                       |          | Type               | Resource Name                        | Area (feet <sup>2</sup> ) | Area (acres)                            | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )    | Area (acres)                            | Total Impacts for this Location (acres) |
|                       |          |                    |                                      |                           |                                         |                                         |                              |                                         |                                         |
|                       |          | Waters             | Stream<br>Floodway                   | WW-T02-011                | 298                                     | 0.007                                   | 0.007                        | 7                                       | -                                       |
| -                     |          |                    |                                      |                           | -                                       | -                                       |                              | -                                       | -                                       |
| Wetlands              |          |                    | W-T02-010A-1                         | 14,290                    | 0.328                                   | 0.455                                   | 1,195                        | 0.027                                   | 0.027                                   |
|                       |          |                    | W-T02-010B-1                         | 5,519                     | 0.127                                   |                                         | -                            | -                                       |                                         |

**NOTES:**

1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP, WETLANDS SHALL BE CONVENTIONAL LAY.
2. SEE REQUIREMENT T - MITIGATION PLAN AND/OR E&S PLAN DRAWINGS FOR THE RESTRICTIVE LAYER RESTORATION PLAN, SPECIFIC TO THIS CROSSING.
3. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
5. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
6. DATE OF FLYOVER: DECEMBER 2015.

**REVISIONS:**

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
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**SEAL:**

**OWNER:**

**Williams**

WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426

**CONSULTANT:**

**WSP**

WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**  
NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP

**CROSSING 9**  
WW-T02-011, W-T02-010A-1, & W-T02-010B-1

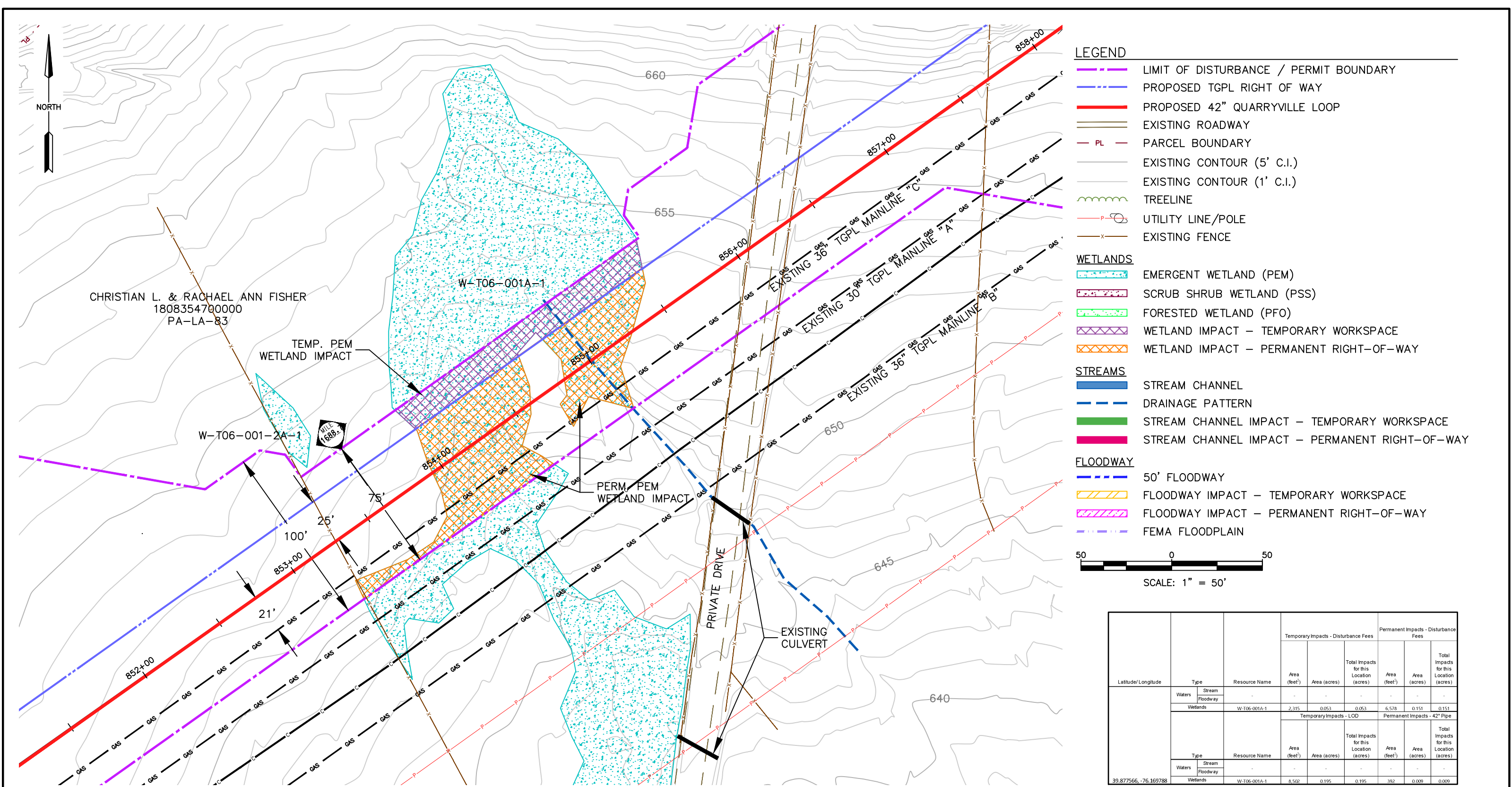
EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA

**PROJECT NO.:**  
US0044392.4002

**DATE:**  
MAY 2025

**SCALE:**  
1" = 50'

**SHEET NO.:**  
19 OF 25



LEGEND

LIMIT OF DISTURBANCE / PERMIT BOUNDARY

PROPOSED TGPL RIGHT OF WAY

PROPOSED 42" QUARRYVILLE LOOP

EXISTING ROADWAY

PARCEL BOUNDARY

EXISTING CONTOUR (5' C.I.)

EXISTING CONTOUR (1' C.I.)

TREELINE

UTILITY LINE/POLE

EXISTING FENCE

WETLANDS

EMERGENT WETLAND (PEM)

SCRUB SHRUB WETLAND (PSS)

FORESTED WETLAND (PFO)

WETLAND IMPACT – TEMPORARY WORKSPACE

WETLAND IMPACT – PERMANENT RIGHT-OF-WAY

STREAMS

STREAM CHANNEL

DRAINAGE PATTERN

STREAM CHANNEL IMPACT – TEMPORARY WORKSPACE

STREAM CHANNEL IMPACT – PERMANENT RIGHT-OF-WAY

FLOODWAY

50' FLOODWAY

FLOODWAY IMPACT – TEMPORARY WORKSPACE

FLOODWAY IMPACT – PERMANENT RIGHT-OF-WAY

FEMA FLOODPLAIN

50

0

50

SCALE: 1" = 50'

| Latitude/Longitude    | Type     | Resource Name | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|-----------------------|----------|---------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                       |          |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.877566, -76.169788 | Waters   | Stream        | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Floodway | -             | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Wetlands | W-T06-001A-1  | 2,315                                | 0.053        | 0.053                                   | 6,578                                | 0.151        | 0.151                                   |
|                       |          |               | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |
|                       | Type     | Resource Name | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
|                       | Waters   | Stream        | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Floodway | -             | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Wetlands | W-T06-001A-1  | 8,502                                | 0.195        | 0.195                                   | 392                                  | 0.009        | 0.009                                   |

NOTES:

1. WETLANDS CROSSING SHALL BE CONVENTIONAL LAY.

2. SEE REQUIREMENT T – MITIGATION PLAN AND/OR E&S PLAN DRAWINGS FOR THE RESTRICTIVE LAYER RESTORATION PLAN, SPECIFIC TO THIS CROSSING.

3. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.

4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.

5. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".

6. DATE OF FLYOVER: DECEMBER 2015.

REVISIONS:

| NO. | DATE | DESCRIPTION |
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SEAL:

OWNER:

Williams

WILLIAMS, INC.

ONE WILLIAMS CENTER

PO BOX 2400

TULSA, OK 74102-2400

PHONE: (800) 945-5426

CONSULTANT:

WSP

WSP USA

350 EAGLEVIEW BOULEVARD

SUITE 250

EXTON, PA 19341-1178

PHONE: (610) 280-4000

TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC

NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP

CROSSING 10

W-T06-001A-1

EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA

PROJECT NO.:

US0044392.4002

DATE:

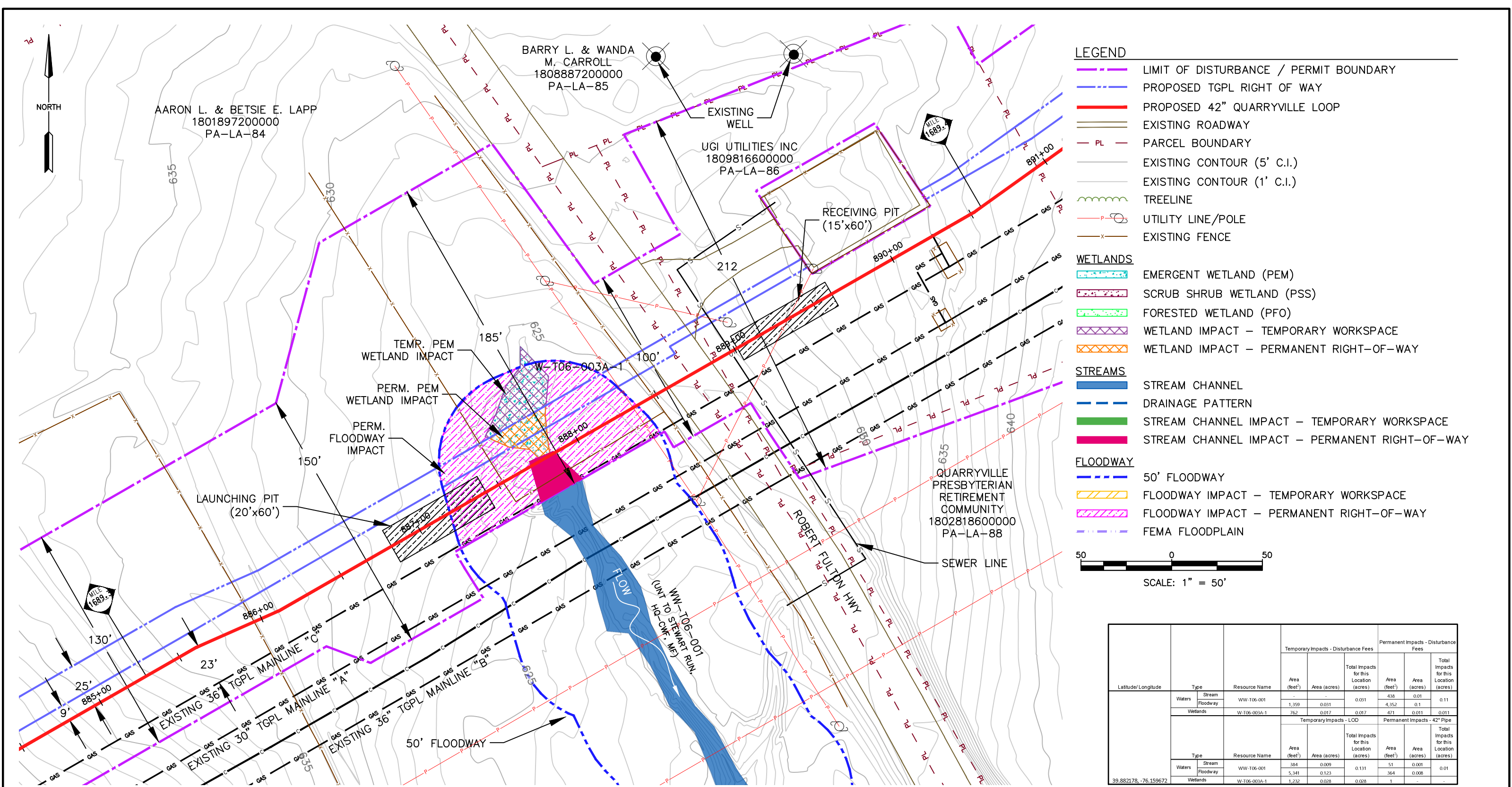
JUNE 2025

SCALE:

1" = 50'

SHEET NO.:

20 OF 25



- LEGEND**
- LIMIT OF DISTURBANCE / PERMIT BOUNDARY
  - PROPOSED TGPL RIGHT OF WAY
  - PROPOSED 42" QUARRYVILLE LOOP
  - EXISTING ROADWAY
  - PL --- PARCEL BOUNDARY
  - EXISTING CONTOUR (5' C.I.)
  - EXISTING CONTOUR (1' C.I.)
  - TREELINE
  - UTILITY LINE/POLE
  - EXISTING FENCE
- WETLANDS**
- EMERGENT WETLAND (PEM)
  - SCRUB SHRUB WETLAND (PSS)
  - FORESTED WETLAND (PFO)
  - WETLAND IMPACT - TEMPORARY WORKSPACE
  - WETLAND IMPACT - PERMANENT RIGHT-OF-WAY
- STREAMS**
- STREAM CHANNEL
  - DRAINAGE PATTERN
  - STREAM CHANNEL IMPACT - TEMPORARY WORKSPACE
  - STREAM CHANNEL IMPACT - PERMANENT RIGHT-OF-WAY
- FLOODWAY**
- 50' FLOODWAY
  - FLOODWAY IMPACT - TEMPORARY WORKSPACE
  - FLOODWAY IMPACT - PERMANENT RIGHT-OF-WAY
  - FEMA FLOODPLAIN

| Latitude/Longitude    | Type   | Resource Name | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|-----------------------|--------|---------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                       |        |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.882178, -76.159672 | Waters | Stream        | WW-T06-001                           |              | 0.031                                   | 438                                  | 0.01         | 0.11                                    |
|                       |        | Floodway      | WW-T06-001                           | 1,359        | 0.031                                   | 4,352                                | 0.1          | 0.11                                    |
|                       |        | Wetlands      | W-T06-003A-1                         | 762          | 0.017                                   | 471                                  | 0.011        | 0.011                                   |
|                       |        |               |                                      |              | 0.017                                   |                                      |              |                                         |
|                       | Type   | Resource Name | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |
|                       |        |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
|                       | Waters | Stream        | WW-T06-001                           | 384          | 0.009                                   | 51                                   | 0.001        | 0.01                                    |
|                       |        | Floodway      | WW-T06-001                           | 5,341        | 0.123                                   | 364                                  | 0.008        | 0.01                                    |
|                       |        | Wetlands      | W-T06-003A-1                         | 1,232        | 0.028                                   |                                      |              |                                         |

**NOTES:**

1. STREAM CROSSING METHOD SHALL BE CONVENTIONAL BORE.
2. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
4. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
5. DATE OF FLYOVER: DECEMBER 2015

**REVISIONS:**

| NO. | DATE | DESCRIPTION |
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**SEAL:**

**OWNER:**

**CONSULTANT:**

**TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC**

**NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP**

**CROSSING 11**

**WW-T06-001 & W-T06-003A-1**

**EAST DRUMORE TWP, LANCASTER CO, PENNSYLVANIA**

**PROJECT NO.:**

**US0044392.4002**

**DATE:**

**MAY 2025**

**SCALE:**

**1" = 50'**

**SHEET NO.:**

**21 OF 25**

**Williams**

**WILLIAMS, INC.**

**ONE WILLIAMS CENTER**

**PO BOX 2400**

**TULSA, OK 74102-2400**

**PHONE: (800) 945-5426**

**WSP**

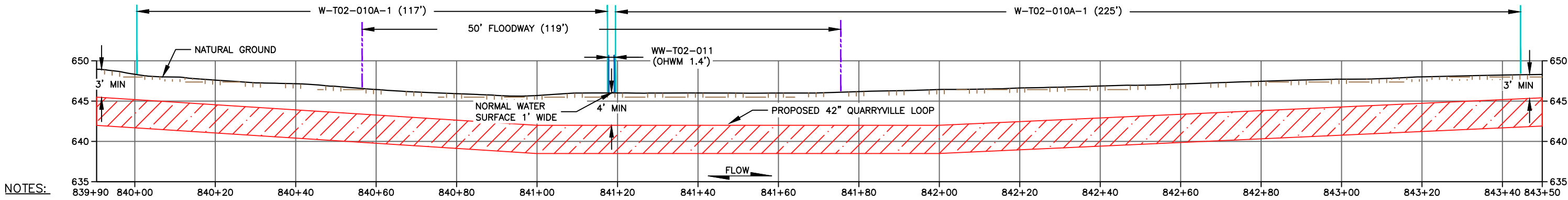
**WSP USA**

**350 EAGLEVIEW BOULEVARD**

**SUITE 250**

**EXTON, PA 19341-1178**

**PHONE: (610) 280-4000**



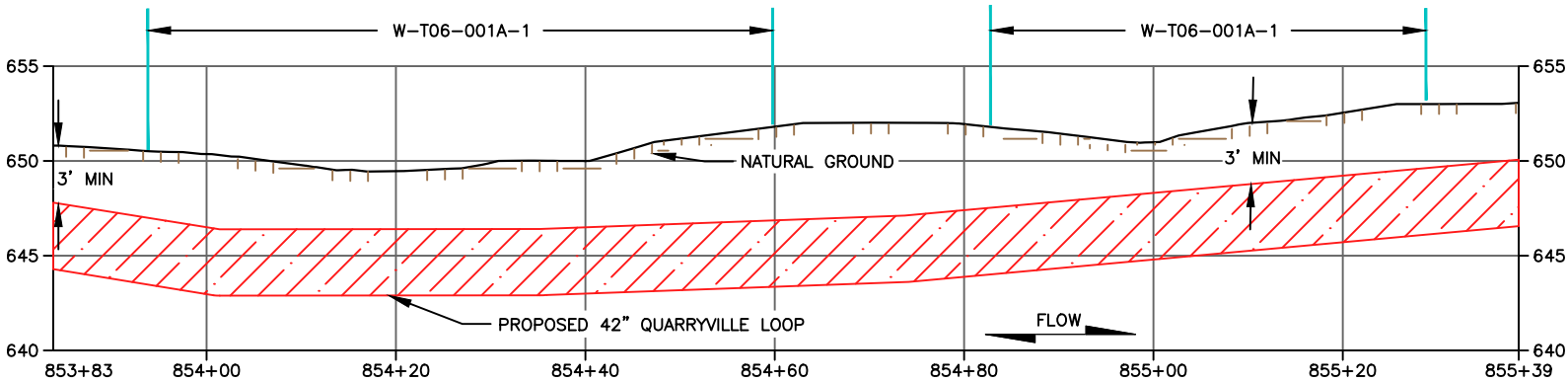
NOTES:

- 1. WW-T02-011 IS 0.0' - 0.5' DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 LEFT BANK SLOPE AND 4:1 RIGHT BANK SLOPE, NORMAL WATER SURFACE IS 1' WIDE.
- 2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
- 3. RESTORE STREAM AND WETLANDS TO PRE-CONSTRUCTION CONTOURS.
- 4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

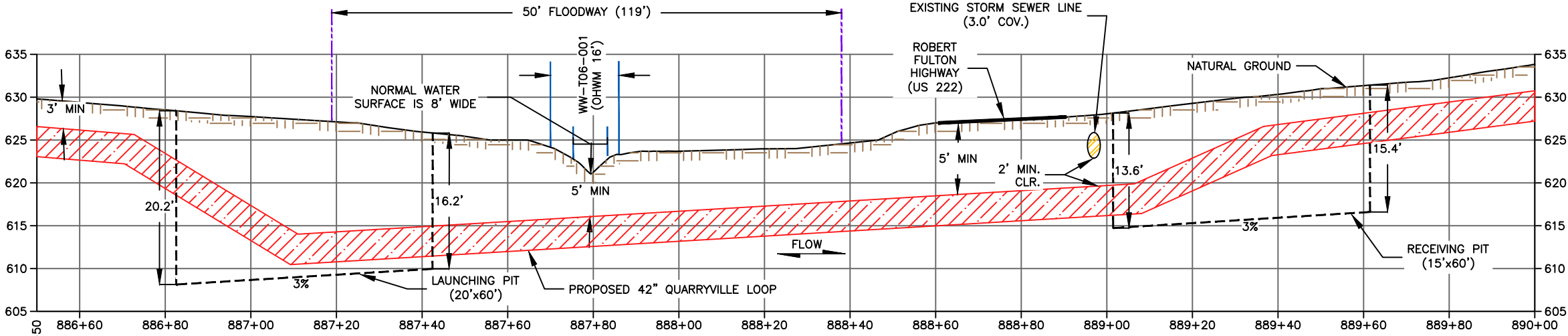
CROSSING #9 (M.P. 1688.46)  
HORIZONTAL SCALE: 1" = 25'  
VERTICAL SCALE: 1" = 12.5'

NOTES:

- 1. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
- 2. RESTORE WETLANDS TO PRE-CONSTRUCTION CONTOURS.
- 3. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.



CROSSING #10 (M.P. 1688.71)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



CROSSING #11 (M.P. 1689.34)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

NOTES:

- 1. WW-T06-001 IS 0.0' - 0.5' DEEP AT THE CROSSING WITH APPROXIMATELY 3:1 BANK SLOPES, NORMAL WATER SURFACE IS 8' WIDE.
- 2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
- 3. RESTORE STREAM TO PRE-CONSTRUCTION CONTOURS.
- 4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

NOTES:

REVISIONS:

NO. DATE DESCRIPTION

1  
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SEAL:

OWNER:



WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426

CONSULTANT:



WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000

TRANSCONTINENTAL GAS PIPE LINE  
COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT  
PROJECT QUARRYVILLE LOOP

CROSS SECTIONS  
CROSSING 9, CROSSING 10  
& CROSSING 11

LANCASTER COUNTY, PENNSYLVANIA

PROJECT NO.:

US0044392.4002

DATE:

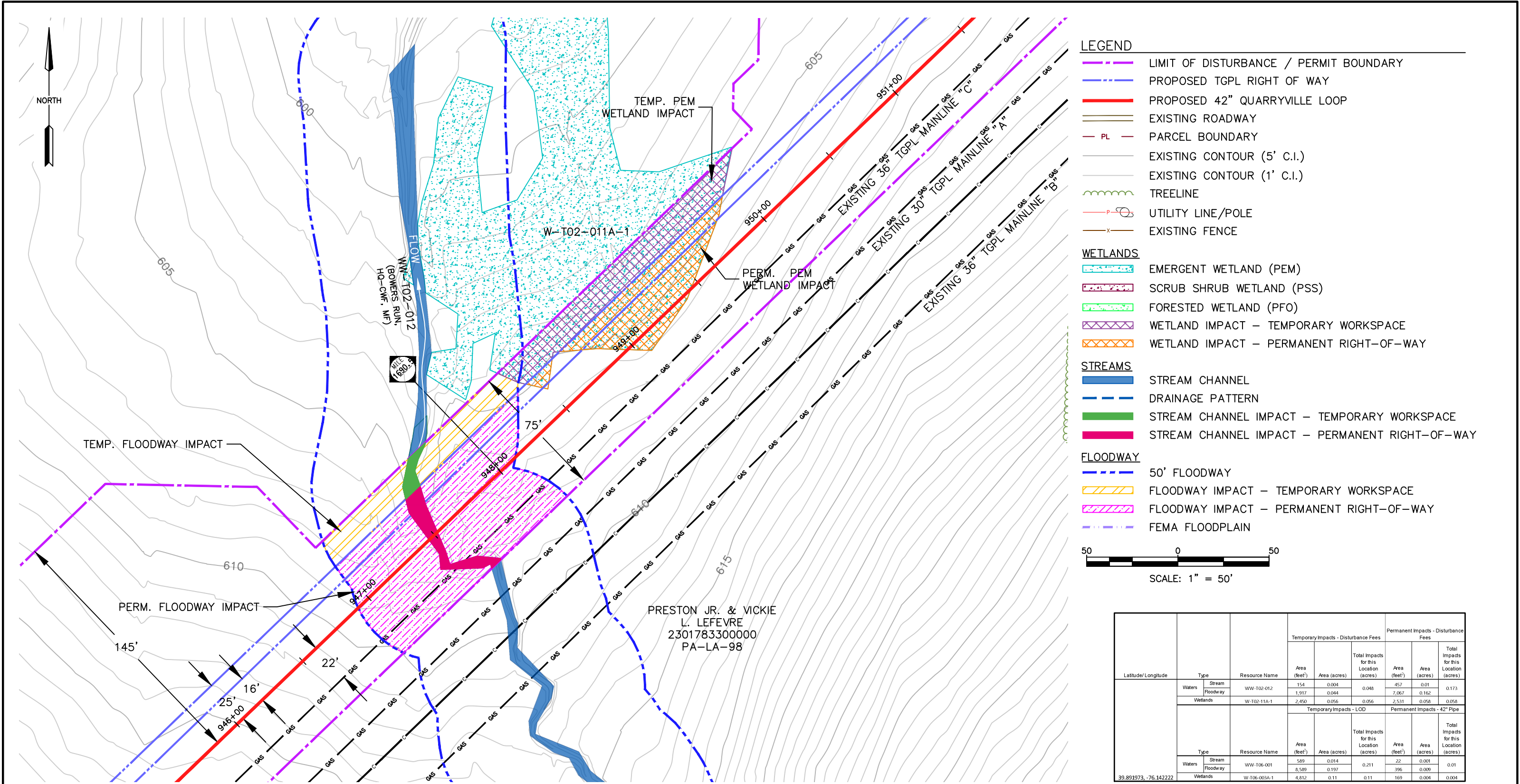
JUNE 2025

SCALE:

AS SHOWN

SHEET NO.:

22 OF 25



- NOTES:
1. STREAM CROSSING METHOD SHALL BE DAM AND PUMP, WETLANDS SHALL BE CONVENTIONAL LAY.
  2. SEE REQUIREMENT T – MITIGATION PLAN AND/OR E&S PLAN DRAWINGS FOR THE RESTRICTIVE LAYER RESTORATION PLAN, SPECIFIC TO THIS CROSSING.
  3. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
  4. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
  5. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
  6. DATE OF FLYOVER: DECEMBER 2015.

| REVISIONS: |      |             |
|------------|------|-------------|
| NO.        | DATE | DESCRIPTION |
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SEAL:

OWNER:



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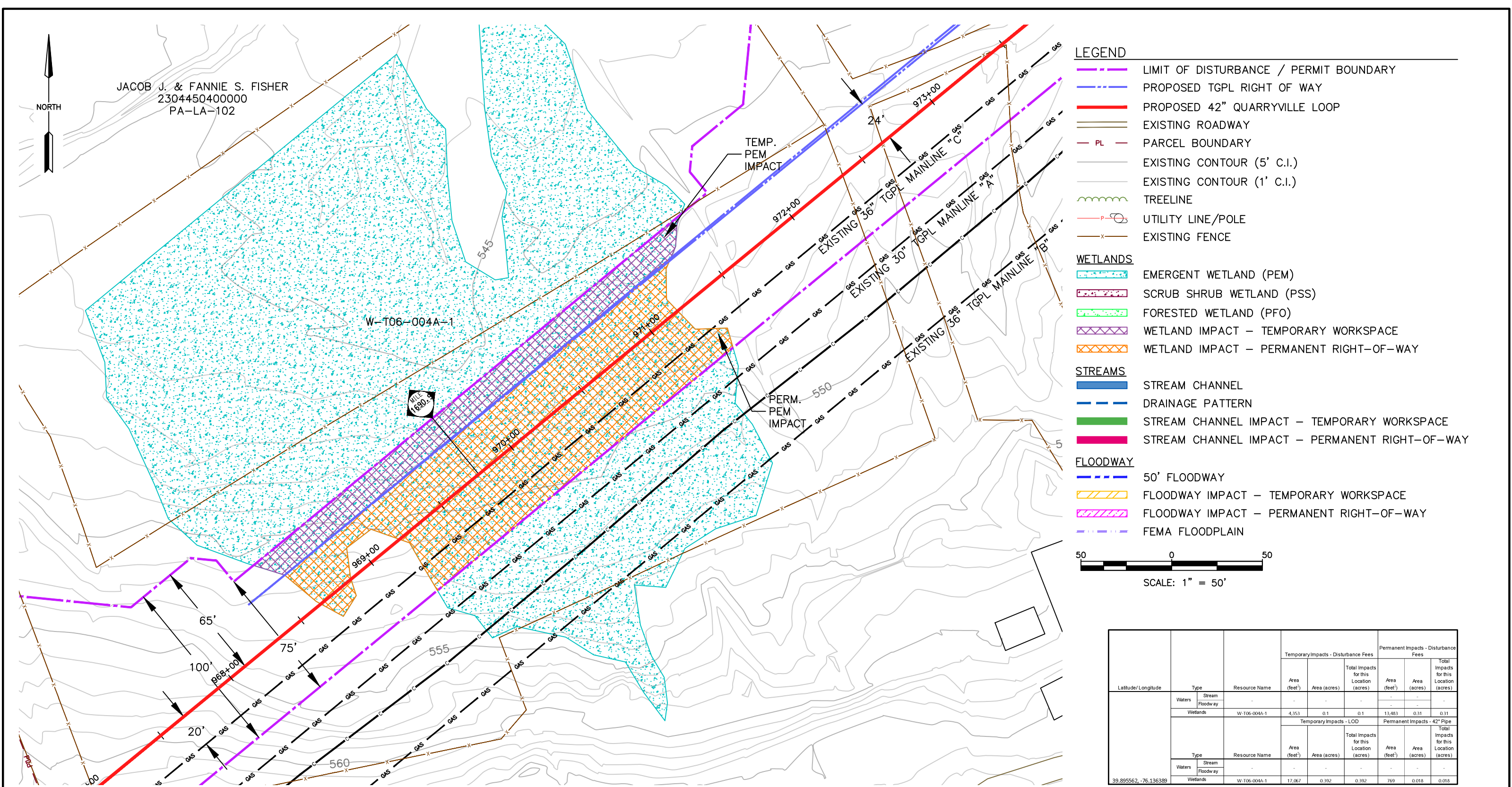
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP

CROSSING 12  
WW-T02-012 & W-T02-11A-1

EDEN TWP, LANCASTER CO,  
PENNSYLVANIA

|              |                |
|--------------|----------------|
| PROJECT NO.: | US0044392.4002 |
| DATE:        | MAY 2025       |
| SCALE:       | 1" = 50'       |
| SHEET NO.:   | 23 OF 25       |

| Latitude/Longitude    | Type     | Resource Name | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |      |
|-----------------------|----------|---------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|------|
|                       |          |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |      |
|                       |          |               |                                      |              |                                         |                                      |              |                                         |      |
| 39.891973, -76.142222 | Waters   | Stream        | 154                                  | 0.004        | 0.048                                   | 457                                  | 0.01         | 0.173                                   |      |
|                       |          | Floodway      | 1,917                                | 0.044        |                                         | 7,067                                | 0.162        |                                         |      |
|                       | Wetlands | W-T02-11A-1   | 2,450                                | 0.056        | 0.056                                   | 2,531                                | 0.058        | 0.058                                   |      |
|                       |          |               | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |      |
|                       | Waters   | Stream        | WW-T06-001                           | 589          | 0.014                                   | 0.211                                | 22           | 0.001                                   | 0.01 |
|                       |          |               |                                      |              |                                         |                                      | Floodway     | 8,589                                   |      |
|                       | Wetlands | W-T06-003A-1  | 4,812                                | 0.11         | 0.11                                    | 169                                  | 0.004        | 0.004                                   |      |
|                       |          |               |                                      |              |                                         |                                      |              |                                         |      |



NOTES:

1. WETLANDS CROSSING SHALL BE CONVENTIONAL LAY.
2. COORDINATES REFERENCED TO PA SOUTH NAD83 COORDINATE SYSTEM.
3. ELEVATIONS SHOWN ARE REFERENCED TO THE NAVD88.
4. STATIONS SHOWN FOR PROPOSED 42" QUARRYVILLE LOOP ARE BASED ON EXISTING 30" TGPL MAINLINE "A".
5. DATE OF FLYOVER: DECEMBER 2015

| REVISIONS: |      |             |
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| NO.        | DATE | DESCRIPTION |
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SEAL:

OWNER:



WILLIAMS, INC.  
ONE WILLIAMS CENTER  
PO BOX 2400  
TULSA, OK 74102-2400  
PHONE: (800) 945-5426

CONSULTANT:



WSP USA  
350 EAGLEVIEW BOULEVARD  
SUITE 250  
EXTON, PA 19341-1178  
PHONE: (610) 280-4000

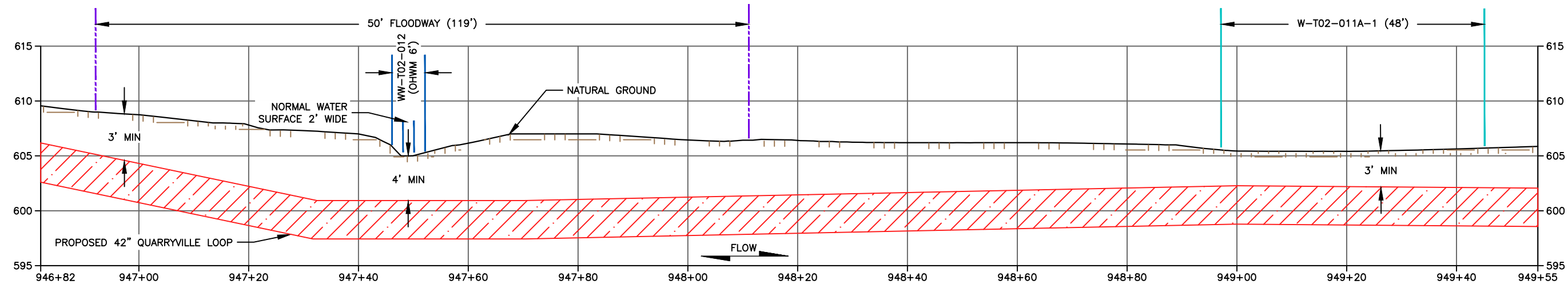
TRANSCONTINENTAL GAS PIPE LINE COMPANY, LLC  
NORTHEAST SUPPLY ENHANCEMENT PROJECT QUARRYVILLE LOOP

CROSSING 13  
W-T06-004A-1

EDEN TWP, LANCASTER CO,  
PENNSYLVANIA

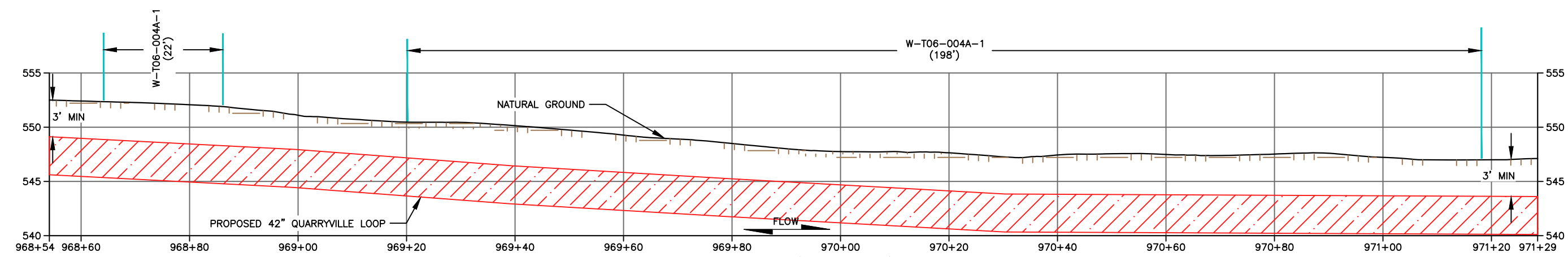
|              |                |
|--------------|----------------|
| PROJECT NO.: | US0044392.4002 |
| DATE:        | JUNE 2025      |
| SCALE:       | 1" = 50'       |
| SHEET NO.:   | 24 OF 25       |

| Latitude/Longitude    | Type     | Resource Name | Temporary Impacts - Disturbance Fees |              |                                         | Permanent Impacts - Disturbance Fees |              |                                         |
|-----------------------|----------|---------------|--------------------------------------|--------------|-----------------------------------------|--------------------------------------|--------------|-----------------------------------------|
|                       |          |               | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
| 39.895562, -76.136389 | Waters   | Stream        | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Floodway | -             | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Wetlands | W-T06-004A-1  | 4,353                                | 0.1          | 0.1                                     | 13,483                               | 0.31         | 0.31                                    |
|                       |          |               | Temporary Impacts - LOD              |              |                                         | Permanent Impacts - 42" Pipe         |              |                                         |
| 39.895562, -76.136389 | Type     | Resource Name | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) | Area (feet <sup>2</sup> )            | Area (acres) | Total Impacts for this Location (acres) |
|                       | Waters   | Stream        | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Floodway | -             | -                                    | -            | -                                       | -                                    | -            | -                                       |
|                       | Wetlands | W-T06-004A-1  | 17,067                               | 0.392        | 0.392                                   | 769                                  | 0.018        | 0.018                                   |



- NOTES:
- 1. WW-T02-012 IS 0.5' - 1" DEEP AT THE CROSSING WITH APPROXIMATELY 1:1 BANK SLOPES, NORMAL WATER SURFACE IS 2' WIDE.
  - 2. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  - 3. RESTORE STREAM AND WETLANDS TO PRE-CONSTRUCTION CONTOURS.
  - 4. A 50' OFFSET HAS BEEN DELINEATED FROM THE TOP OF STREAM BANK TO DEFINE THE WATERBODIES 50' FLOODWAY.

CROSSING #12 (M.P. 1690.47)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



- NOTES:
- 1. ONSITE SOILS FROM THE PIPELINE TRENCH SHALL BE REPLACED OVER THE PIPELINE AS OUTLINED IN WETLAND AND WATERBODY CONSTRUCTION AND MITIGATION PROCEDURES. NO ADDITIONAL FILL WILL BE PLACED WITHIN THE RESOURCE.
  - 2. RESTORE WETLANDS TO PRE-CONSTRUCTION CONTOURS.

CROSSING #13 (M.P. 1690.90)  
HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

|        |            |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             |                |
|--------|------------|------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| NOTES: | REVISIONS: |      | SEAL: | OWNER:<br><div>Williams</div> <div>WILLIAMS, INC.<br/>ONE WILLIAMS CENTER<br/>PO BOX 2400<br/>TULSA, OK 74102-2400<br/>PHONE: (800) 945-5426</div> | CONSULTANT:<br><div>WSP</div> <div>WSP USA<br/>350 EAGLEVIEW BOULEVARD<br/>SUITE 250<br/>EXTON, PA 19341-1178<br/>PHONE: (610) 280-4000</div> | TRANSCONTINENTAL GAS PIPE LINE<br>COMPANY, LLC<br>NORTHEAST SUPPLY ENHANCEMENT<br>PROJECT QUARRYVILLE LOOP<br><div>CROSS SECTIONS<br/>CROSSING 9, CROSSING 10<br/>&amp; CROSSING 11</div><br>LANCASTER COUNTY, PENNSYLVANIA | PROJECT NO.:   |
|        | NO.        | DATE |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | US0044392.4002 |
|        | 1          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | DATE:          |
|        | 2          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | JUNE 2025      |
|        | 3          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | SCALE:         |
|        | 4          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | AS SHOWN       |
|        | 5          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | SHEET NO.:     |
|        | 6          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             | 25 OF 25       |
|        | 7          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             |                |
|        | 8          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             |                |
|        | 9          |      |       |                                                                                                                                                    |                                                                                                                                               |                                                                                                                                                                                                                             |                |