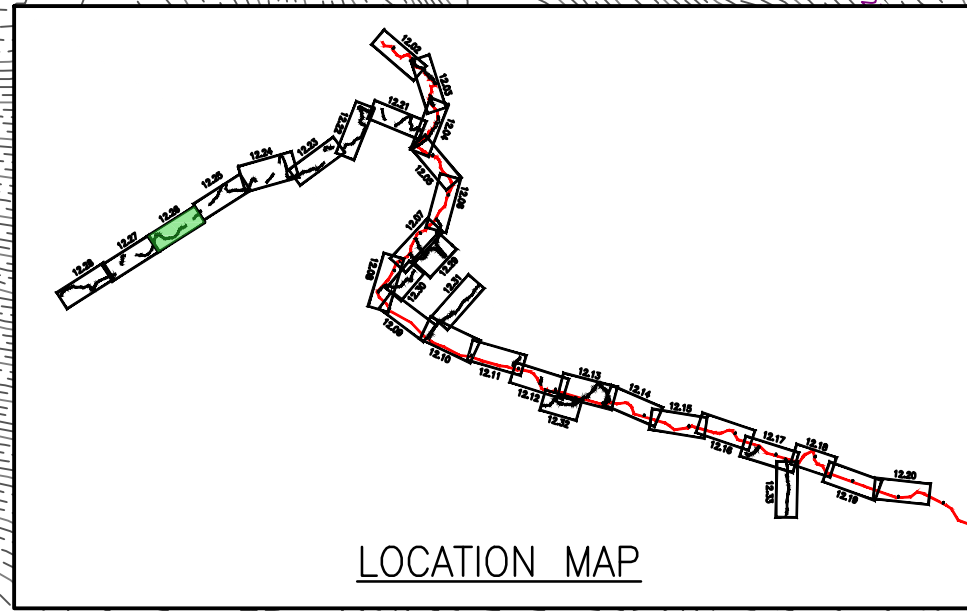
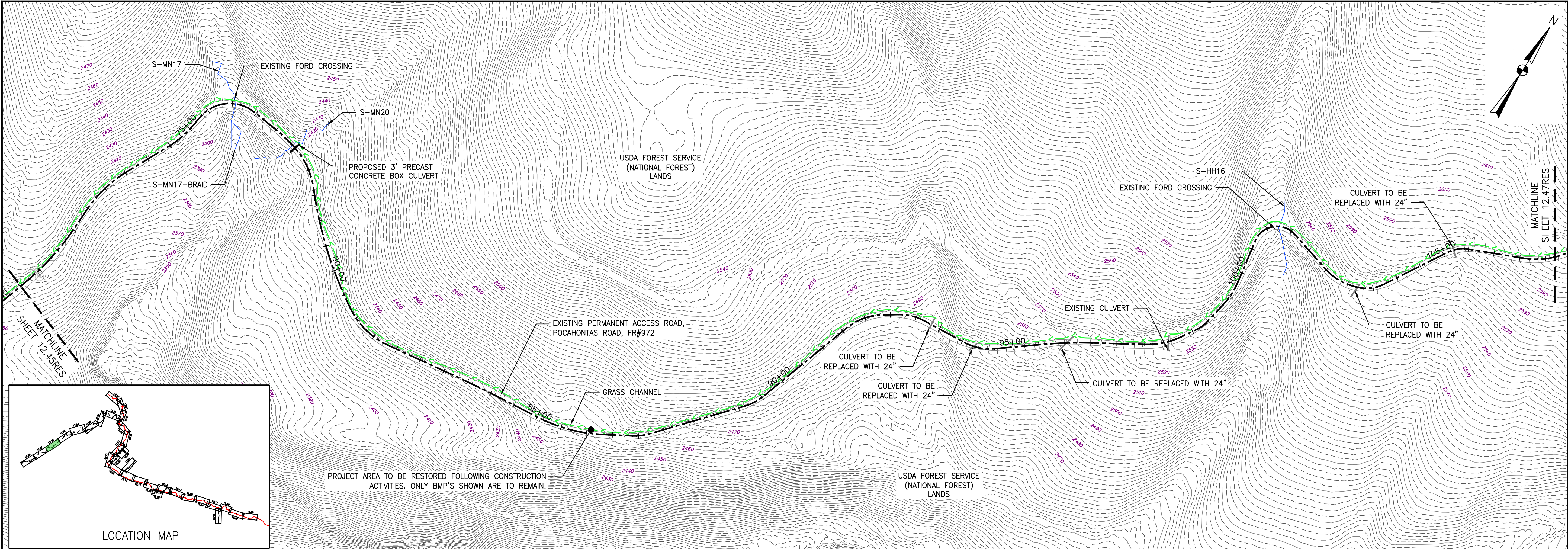
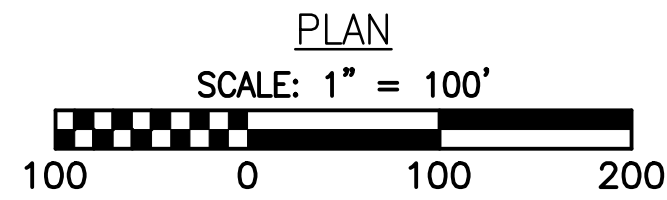




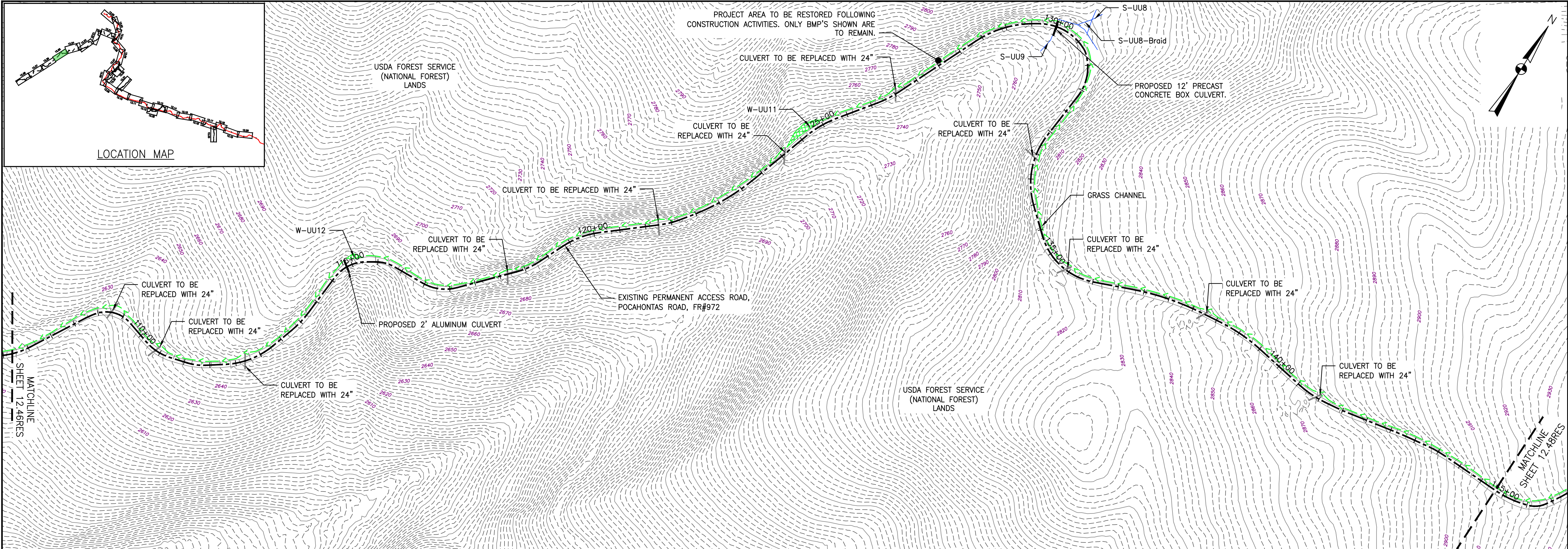
NOTE:  
POCAHONTAS ROAD WILL HAVE A ROADSIDE DITCH  
AND THE ROAD WILL BE CROWNED AS NEEDED.



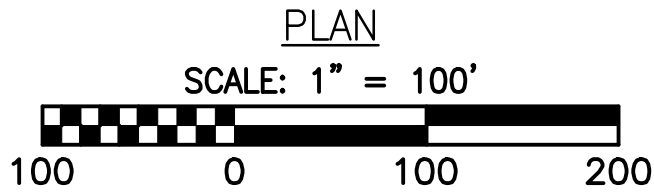
#### LEGEND

- |     |                                             |       |                                                                                        |
|-----|---------------------------------------------|-------|----------------------------------------------------------------------------------------|
| —   | EXISTING CULVERT                            | ---   | EXISTING ROAD/TRAIL                                                                    |
| —   | STREAM                                      | —>—>— | GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)                                              |
| --- | EXISTING PROPERTY LINE                      | ---   | PROPOSED ACCESS ROAD CENTERLINE                                                        |
| --- | EXISTING STATE LINE                         | ---   | PROPOSED PIPELINE                                                                      |
| --- | EXISTING COUNTY LINE                        | ■     | POND                                                                                   |
| --- | USDA FOREST SERVICE (NATIONAL FOREST) LANDS | ■     | WETLAND                                                                                |
| --- | APPALACHIAN NATIONAL SCENIC TRAIL           | —     | PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1)                     |
| --- | PROPOSED LEVEL SPREADER DIVERSION           | ▲     | PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, 18, AND SCHEDULE) |
| --- | PROPOSED LEVEL SPREADER                     | ●     | PROPOSED BROAD BASED DIP (SEE DETAIL MVP-ES5)                                          |
| --- | PROPOSED PERMANENT RIGHT OF WAY             |       |                                                                                        |

|                                              |  |                                                                  |  |
|----------------------------------------------|--|------------------------------------------------------------------|--|
| JEFFERSON NATIONAL FOREST — RESTORATION PLAN |  | MOUNTAIN VALLEY PIPELINE PROJECT — H600 LINE                     |  |
| GILES COUNTY, VIRGINIA                       |  | MOUNTAIN VALLEY PIPELINE, LLC                                    |  |
| 555 SOUTHPOINTE BOULEVARD, SUITE 200         |  | CANONSBURG, PA 15311                                             |  |
| TETRA TECH                                   |  | 661 ANDERSEN DRIVE<br>FOSTER PLAZA 7<br>PITTSBURGH, PA 15220     |  |
| RESTORATION PLANS                            |  | DAVID J. WALLNER<br>Lic. No. 0402057593<br>Professional Engineer |  |
| DRAWN BY: LJK                                |  | CHECKED BY: JDO                                                  |  |
| APPROVED BY: RE                              |  | DATE: 09/25/2017                                                 |  |
| SCALE: AS SHOWN                              |  | REVISION                                                         |  |
| SHT. NO. 12.46RES OF 13.06RES                |  |                                                                  |  |



NOTE:  
POCAHONTAS ROAD WILL HAVE A ROADSIDE DITCH  
AND THE ROAD WILL BE CROWNED AS NEEDED.

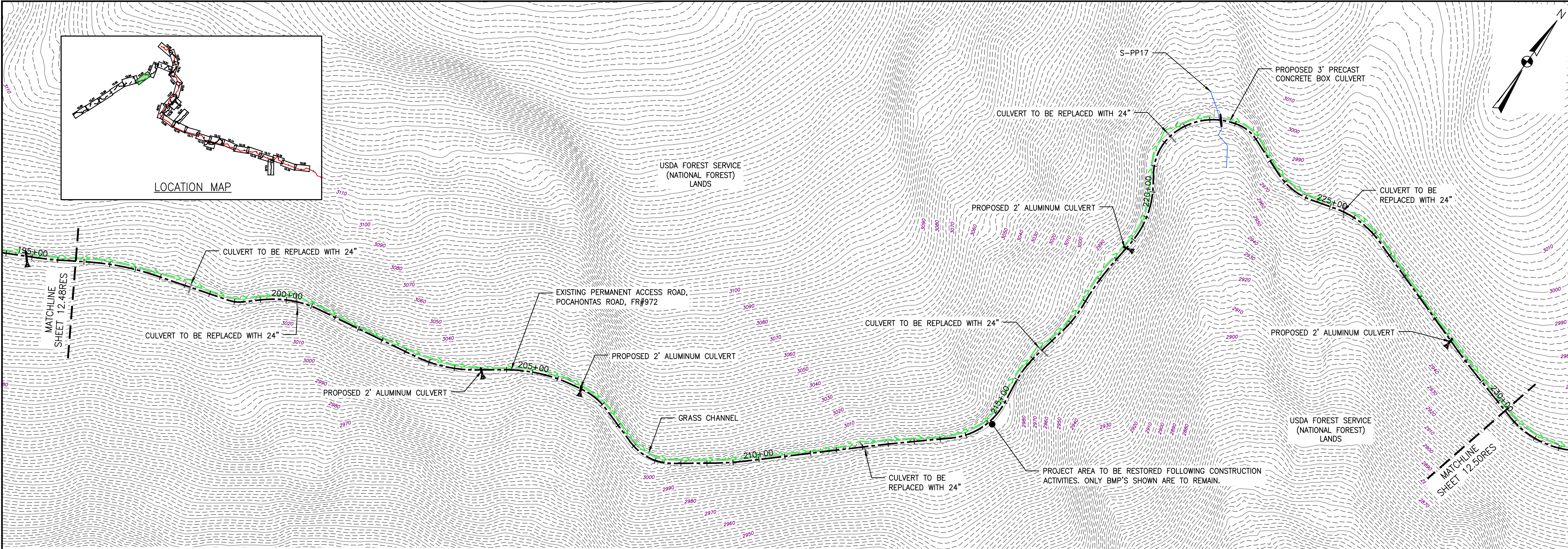


LEGEND

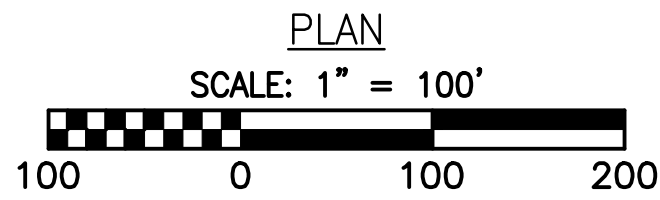
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|-----------------------------------------------|------------------------------------------------------------------------------------------|
| — EXISTING CULVERT                            | — EXISTING ROAD/TRAIL                                                                    |
| — STREAM                                      | — GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)                                              |
| — EXISTING PROPERTY LINE                      | — PROPOSED ACCESS ROAD CENTERLINE                                                        |
| — EXISTING STATE LINE                         | — PROPOSED PIPELINE                                                                      |
| — EXISTING COUNTY LINE                        | — POND                                                                                   |
| — USDA FOREST SERVICE (NATIONAL FOREST) LANDS | — WETLAND                                                                                |
| — APPALACHIAN NATIONAL SCENIC TRAIL           | — PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1)                     |
| — PROPOSED LEVEL SPREADER DIVERSION           | — PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, 18, AND SCHEDULE) |
| — PROPOSED LEVEL SPREADER                     | — PROPOSED BROAD BASED DIP (SEE DETAIL MVP-ESS)                                          |
| — PROPOSED PERMANENT RIGHT OF WAY             |                                                                                          |

|                                                                  |              |
|------------------------------------------------------------------|--------------|
| JEFFERSON NATIONAL FOREST — RESTORATION PLAN                     |              |
| MOUNTAIN VALLEY PIPELINE PROJECT — H600 LINE                     |              |
| GILES COUNTY, VIRGINIA                                           |              |
| MOUNTAIN VALLEY PIPELINE, LLC                                    |              |
| 555 SOUTHPOINTE BOULEVARD, SUITE 200                             |              |
| CANONSBURG, PA 15311                                             |              |
| REVISIONS:                                                       |              |
| NO.                                                              | DATE:        |
| CHKD.                                                            | DWN.         |
| APPD.                                                            | DESCRIPTION: |
| RESTORATION PLANS                                                |              |
| TETRA TECH                                                       |              |
| complex world   CLEAR SOLUTIONS®                                 |              |
| 661 ANDERSEN DRIVE<br>FOSTER PLAZA 7<br>PITTSBURGH, PA 15220     |              |
| DAVID J. WALLNER<br>Lic. No. 0402057593<br>Professional Engineer |              |
| DRAWN BY:                                                        | LJK          |
| CHECKED BY:                                                      | JDO          |
| APPROVED BY:                                                     | RE           |
| DATE:                                                            | 09/25/2017   |
| SCALE:                                                           | AS SHOWN     |
| SHT. NO. 12.47RES OF 13.06RES                                    |              |





NOTE:  
POCAHONTAS ROAD WILL HAVE A ROADSIDE DITCH  
AND THE ROAD WILL BE CROWNED AS NEEDED.

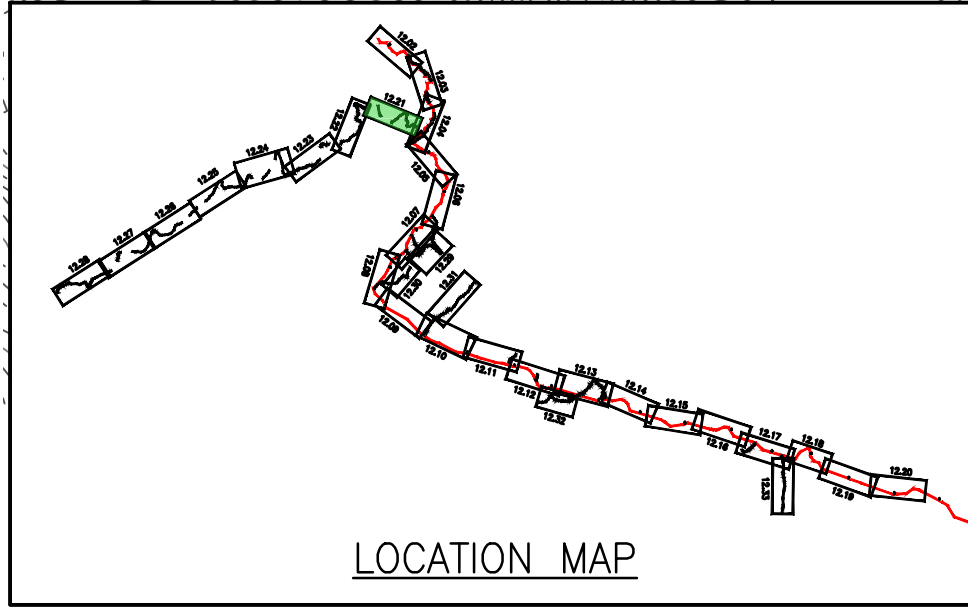
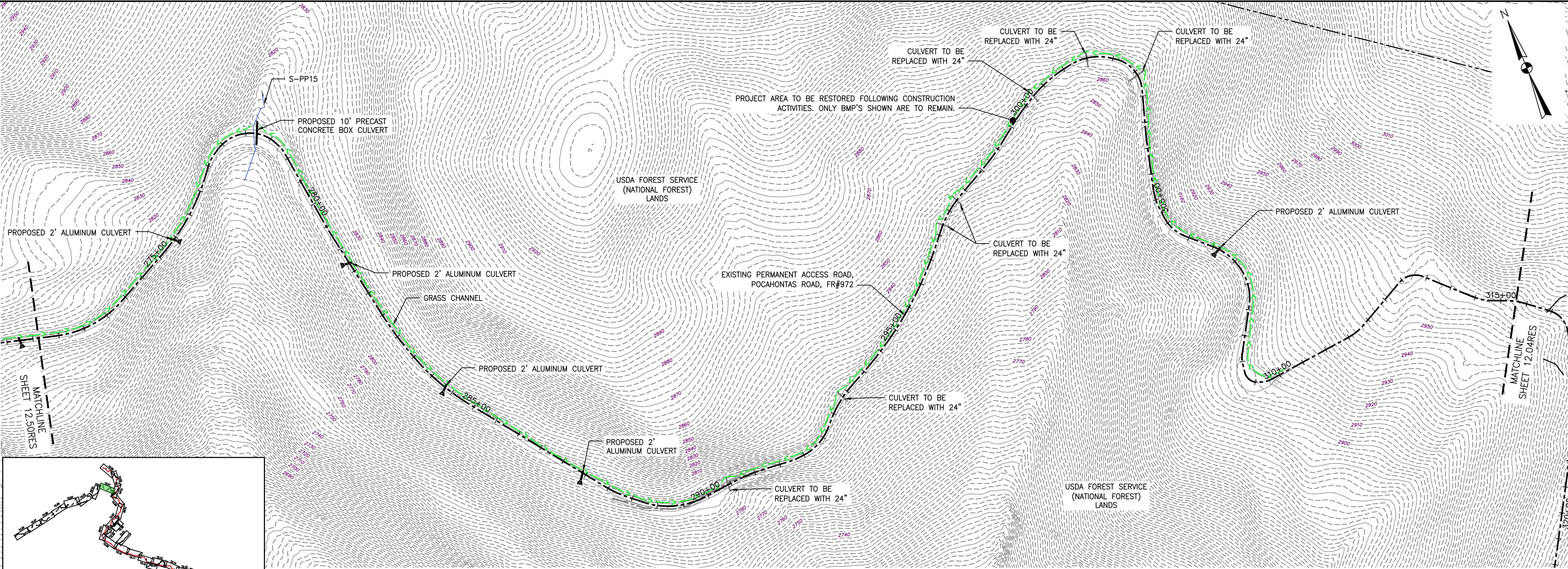


LEGEND

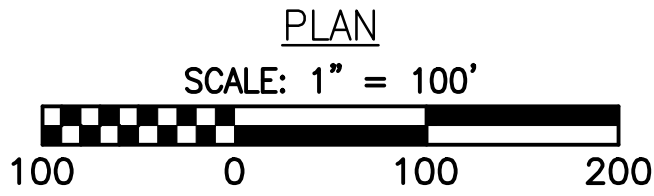
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|-----------------------------------------------|------------------------------------------------------------------------------------------|
| — EXISTING CULVERT                            | — EXISTING ROAD/TRAIL                                                                    |
| — STREAM                                      | — GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)                                              |
| — EXISTING PROPERTY LINE                      | — PROPOSED ACCESS ROAD CENTERLINE                                                        |
| — EXISTING STATE LINE                         | — PROPOSED PIPELINE                                                                      |
| — EXISTING COUNTY LINE                        | — POND                                                                                   |
| — USDA FOREST SERVICE (NATIONAL FOREST) LANDS | — WETLAND                                                                                |
| — APPALACHIAN NATIONAL SCENIC TRAIL           | — PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1)                     |
| — PROPOSED LEVEL SPREADER DIVERSION           | — PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, 18, AND SCHEDULE) |
| — PROPOSED LEVEL SPREADER                     | — PROPOSED BROAD BASED DIP (SEE DETAIL MVP-ES5)                                          |
| — PROPOSED PERMANENT RIGHT OF WAY             |                                                                                          |

|                                              |                 |
|----------------------------------------------|-----------------|
| JEFFERSON NATIONAL FOREST – RESTORATION PLAN |                 |
| MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE |                 |
| GILES COUNTY, VIRGINIA                       |                 |
| MOUNTAIN VALLEY PIPELINE, LLC                |                 |
| 555 SOUTHPOINTE BOULEVARD, SUITE 200         |                 |
| CANONSBURG, PA 15311                         |                 |
| REVISIONS:                                   |                 |
| NO.                                          | DATE            |
| DWN.                                         | CHKD.           |
| APPD.                                        | DESCRIPTION     |
| DRAWN BY: LJK                                |                 |
| CHECKED BY: JDO                              |                 |
| APPROVED BY: RE                              |                 |
| DATE: 09/25/2017                             | SCALE: AS SHOWN |
| SHT. NO. 12.49RES OF 13.06RES                |                 |





NOTE:  
POCAHONTAS ROAD WILL HAVE A ROADSIDE DITCH  
AND THE ROAD WILL BE CROWNED AS NEEDED.



- LEGEND**
- EXISTING CULVERT
  - STREAM
  - EXISTING PROPERTY LINE
  - EXISTING STATE LINE
  - EXISTING COUNTY LINE
  - USDA FOREST SERVICE (NATIONAL FOREST) LANDS
  - APPALACHIAN NATIONAL SCENIC TRAIL
  - PROPOSED LEVEL SPREADER DIVERSION
  - PROPOSED LEVEL SPREADER
  - PROPOSED PERMANENT RIGHT OF WAY
  - EXISTING ROAD/TRAIL
  - GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)
  - PROPOSED ACCESS ROAD CENTERLINE
  - PROPOSED PIPELINE
  - POND
  - WETLAND
  - PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1)
  - PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, 18, AND SCHEDULE)
  - PROPOSED BROAD BASED DIP (SEE DETAIL MVP-ES5)

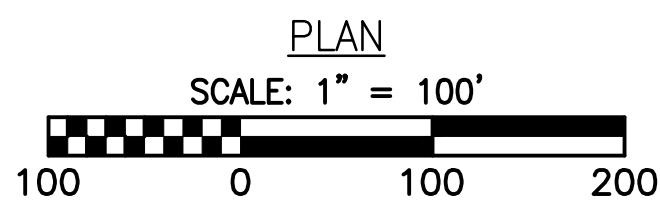
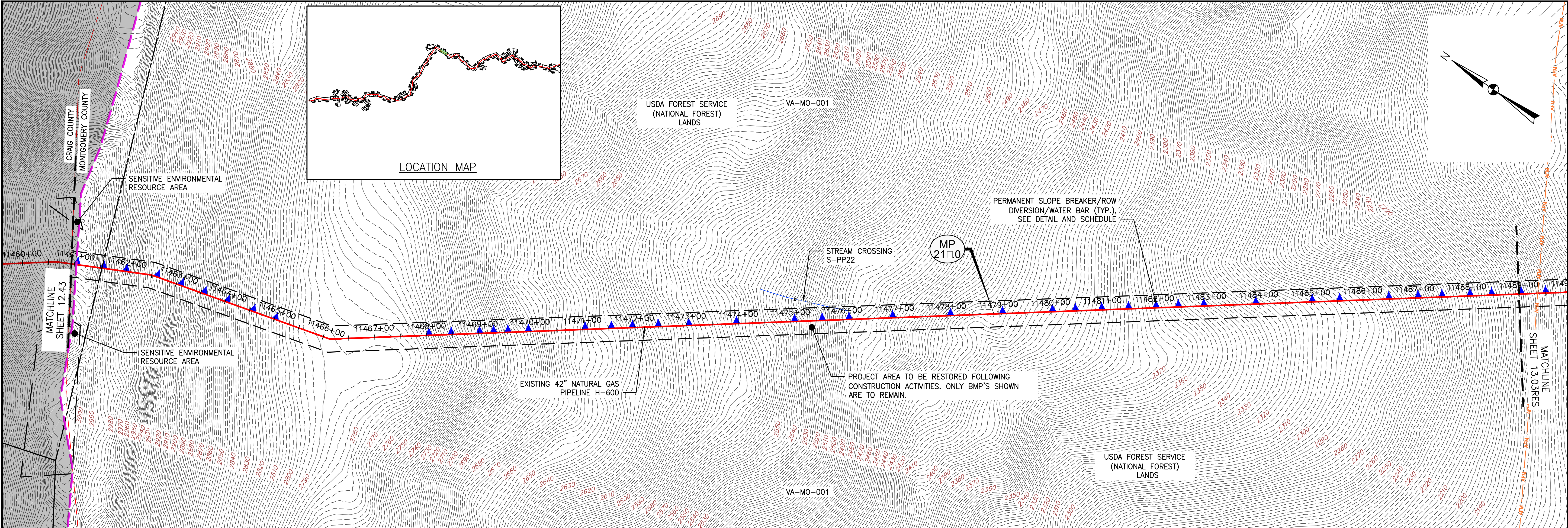
| JEFFERSON NATIONAL FOREST - RESTORATION PLAN |       |       |        |
|----------------------------------------------|-------|-------|--------|
| MOUNTAIN VALLEY PIPELINE PROJECT - H600 LINE |       |       |        |
| GILES COUNTY, VIRGINIA                       |       |       |        |
| MOUNTAIN VALLEY PIPELINE, LLC                |       |       |        |
| 555 SOUTHPOINTE BOULEVARD, SUITE 200         |       |       |        |
| CANONSBURG, PA 15311                         |       |       |        |
| NO.:                                         | DATE: | DWN.: | CHKD.: |
| APPROVED BY: JDO                             |       |       |        |
| DATE: 09/25/2017                             |       |       |        |
| SCALE: AS SHOWN                              |       |       |        |
| SHT. NO. 12.51RES OF 13.06RES                |       |       |        |

**RESTORATION PLANS**

**TETRA TECH**  
complex world | CLEAR SOLUTIONS™  
661 ANDERSEN DRIVE  
FOSTER PLAZA 7  
PITTSBURGH, PA 15220

DAVID J. WALLNER  
Lic. No. 0402057593  
Professional Engineer

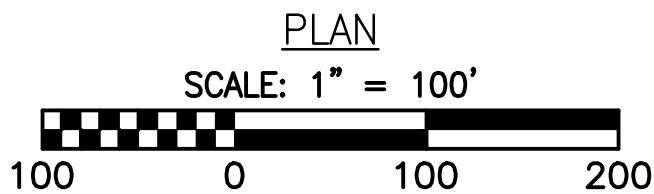
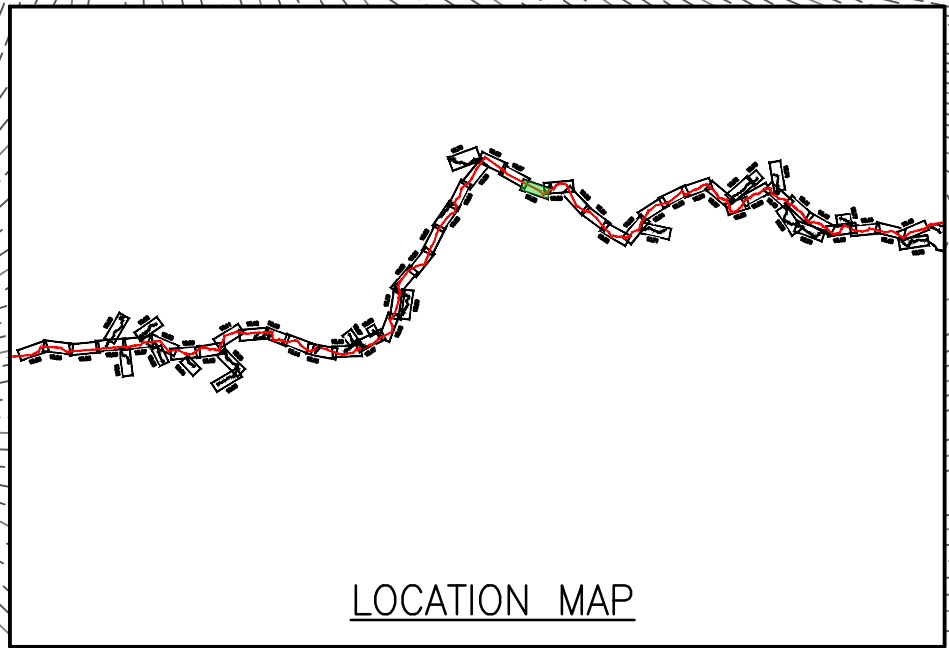
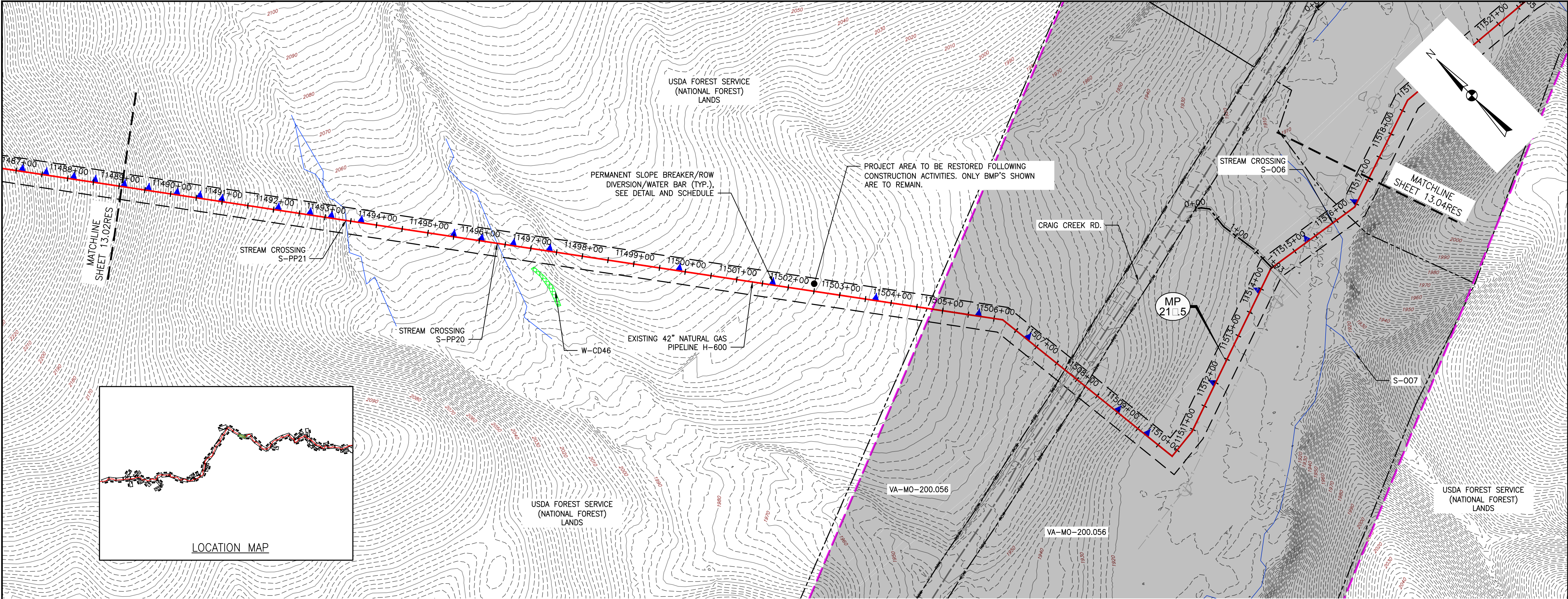




LEGEND

- |                                               |                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------|
| — EXISTING CULVERT                            | — EXISTING ROAD/TRAIL                                                                    |
| — STREAM                                      | — GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)                                              |
| — EXISTING PROPERTY LINE                      | — PROPOSED ACCESS ROAD CENTERLINE                                                        |
| — EXISTING STATE LINE                         | — PROPOSED PIPELINE                                                                      |
| — EXISTING COUNTY LINE                        |                                                                                          |
| — USDA FOREST SERVICE (NATIONAL FOREST) LANDS | — POND                                                                                   |
| — APPALACHIAN NATIONAL SCenic TRAIL           | — WETLAND                                                                                |
| — PROPOSED LEVEL SPREADER DIVERSION           | — PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1)                     |
| — PROPOSED LEVEL SPREADER                     | — PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, 18, AND SCHEDULE) |
| — PROPOSED PERMANENT RIGHT OF WAY             | — PROPOSED BROAD BASED DIP (SEE DETAIL MVP-ES5)                                          |

|                                              |                 |
|----------------------------------------------|-----------------|
| JEFFERSON NATIONAL FOREST — RESTORATION PLAN |                 |
| MOUNTAIN VALLEY PIPELINE PROJECT — H600 LINE |                 |
| MONTGOMERY COUNTY, VIRGINIA                  |                 |
| MOUNTAIN VALLEY PIPELINE, LLC                |                 |
| 555 SOUTHPOINTE BOULEVARD, SUITE 200         |                 |
| CANONSBURG, PA 15311                         |                 |
| REVISIONS:                                   |                 |
| NO.                                          | DATE:           |
| DWN.:                                        | CHKD.:          |
| DESCRIPTION:                                 |                 |
| DRAWN BY: LJK                                |                 |
| CHECKED BY: JRK                              |                 |
| APPROVED BY: RE                              |                 |
| DATE: 09/25/2017                             | SCALE: AS SHOWN |
| SHT. NO. 13.02RES OF 13.06RES                |                 |



LEGEND

- EXISTING CULVERT

—

STREAM

---

EXISTING PROPERTY LINE

---

EXISTING STATE LINE

---

EXISTING COUNTY LINE

---

USDA FOREST SERVICE (NATIONAL FOREST) LANDS

---

APPALACHIAN NATIONAL SCENIC TRAIL

---

PROPOSED LEVEL SPREADER DIVERSION

+

PROPOSED LEVEL SPREADER

---

PROPOSED PERMANENT RIGHT OF WAY
- EXISTING ROAD/TRAIL
- GRASS-LINED CHANNEL (SEE DETAIL MVP-ES39)
- PROPOSED ACCESS ROAD CENTERLINE
- PROPOSED PIPELINE
- POND
- WETLAND
- PROPOSED CULVERT WITH OUTLET PROTECTION (SEE DETAILS MVP-ES7, 7.1)
- ▲

PERMANENT SLOPE BREAKER/ROW DIVERSION/WATER BAR (SEE DETAILS MVP-17, 18, AND SCHEDULE)
- PROPOSED BROAD BASED DIP (SEE DETAIL MVP-ES5)

TETRA TECH CAD FILE PATH: X:\CADD\Pittsburgh\EQ\7157 - MVP\13 - Montgomery\EA&S\Version 5.0.0\INE REST\7157RES13.03.dwg PLOTTED ON: 10/5/2017 2:27 PM PLOTTED BY: Kusowski, Jim PLOT FILE: ENVIRONMENTAL\_COLOR.ctb

Mountain Valley Pipeline

JEFFERSON NATIONAL FOREST – RESTORATION PLAN

MOUNTAIN VALLEY PIPELINE PROJECT – H600 LINE

MONTGOMERY COUNTY, VIRGINIA

NO:

DATE:

DWN:

CHKD:

APPD:

DESCRIPTION:

REVISIONS:

Mountain Valley Pipeline, LLC

555 SOUTHPOINTE BOULEVARD, SUITE 200

CANONSBURG, PA 15311

TETRA TECH

complex world | CLEAR SOLUTIONS™

661 ANDERSEN DRIVE

FOSTER PLAZA 7

PITTSBURGH, PA 15220

RESTORATION PLANS

COMMONWEALTH OF PENNSYLVANIA

DAVID J. WALLNER

Exp. No. 0402057593

Professional Engineer

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE:

SCALE:

SHT. NO. 13.03RES OF 13.06RES

LJK

JRK

RE

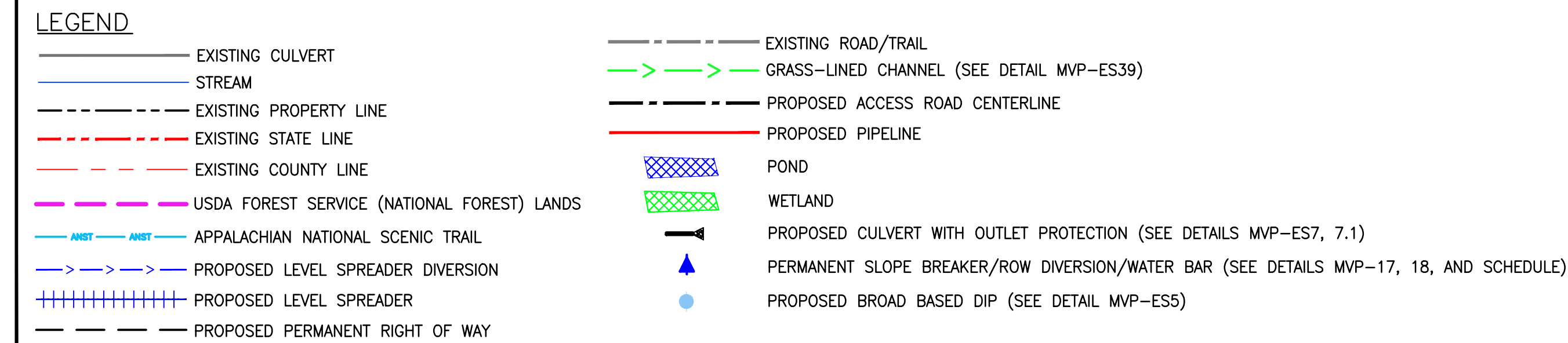
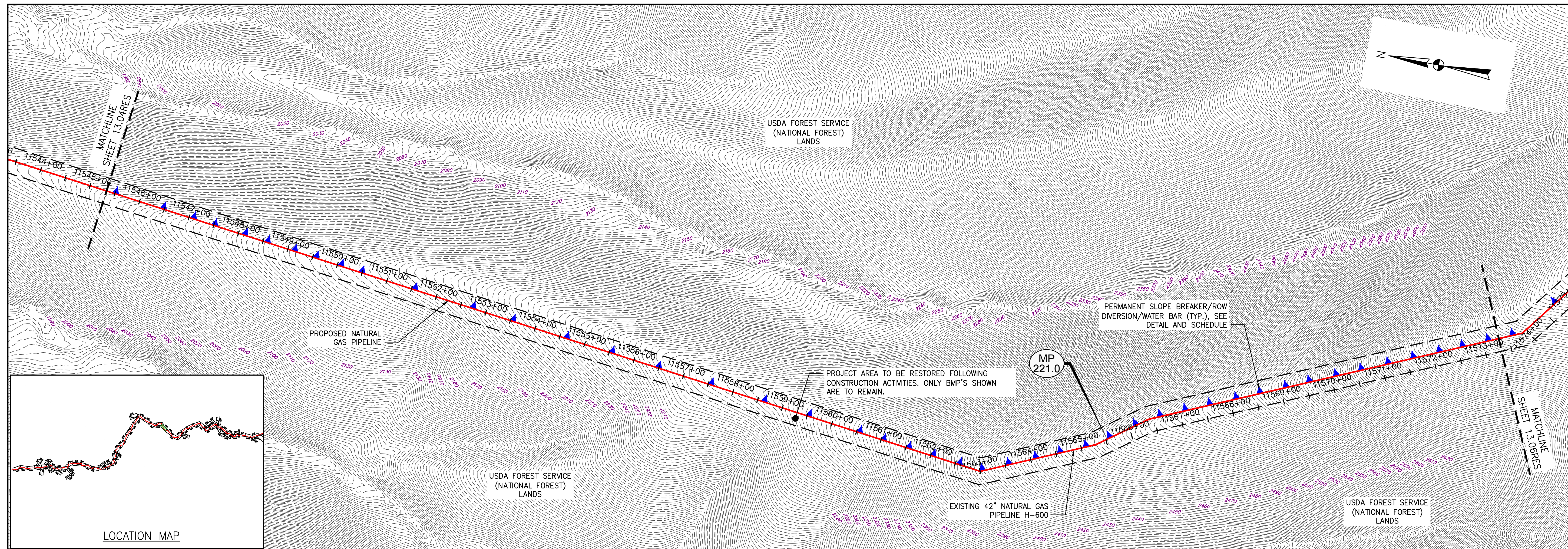
09/25/2017

AS SHOWN

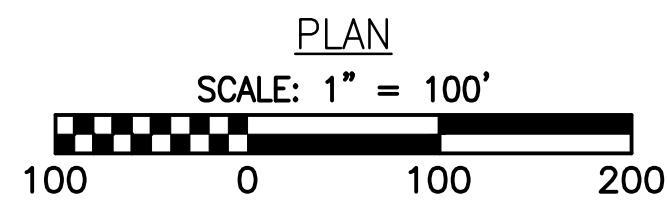
REVISION

October 20, 2017





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|                                                                                                                         |                                                                                                                                            |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Mountain Valley<br/>PIPELINE</p> | <p>JEFFERSON NATIONAL FOREST — RESTORATION PLAN</p> <p>MOUNTAIN VALLEY PIPELINE PROJECT — H600 LINE</p> <p>MONTGOMERY COUNTY, VIRGINIA</p> |
| <p>MOUNTAIN VALLEY PIPELINE, LLC</p> <p>555 SOUTHPOINT BOULEVARD, SUITE 200</p> <p>CANONSBURG, PA 15311</p>             |                                                                                                                                            |

