

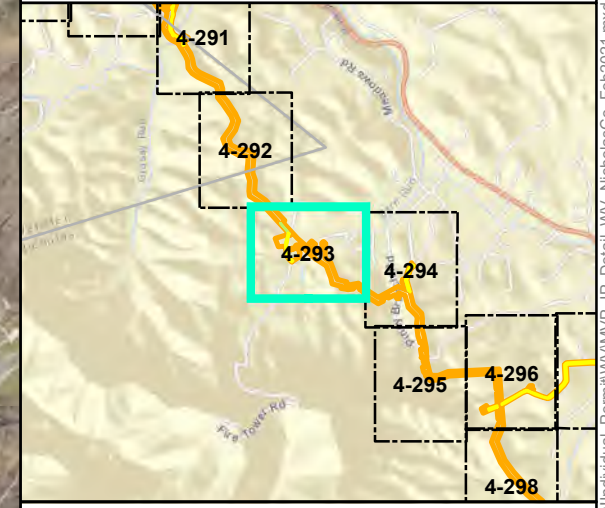
### Legend

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



## Mountain Valley Pipeline Project

**Detail Map**  
**Individual Permit Application**

Figure 4-293  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

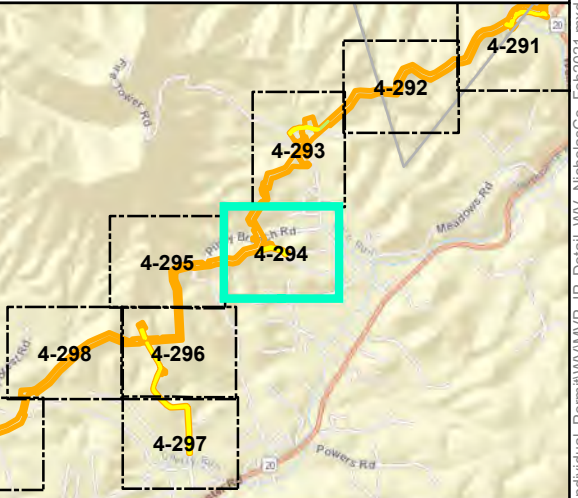
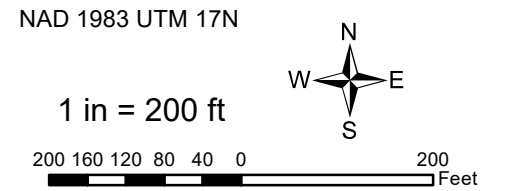
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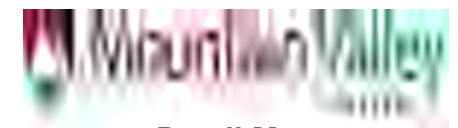
**Legend**

- Milepost
- - - Alignment Centerline
- Access Road Temporary LOD
- Access Road Permanent LOD
- Permanent Facility
- Limit of Disturbance
- Bore Pit
- Culvert
- Stream
- - - Intermittent
- · · Perennial
- Ephemeral
- Pond
- Wetland
- Palustrine Forested
- Palustrine Emergent
- Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-294  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\_WV\_NicholasCo\_Feb2021.mxd



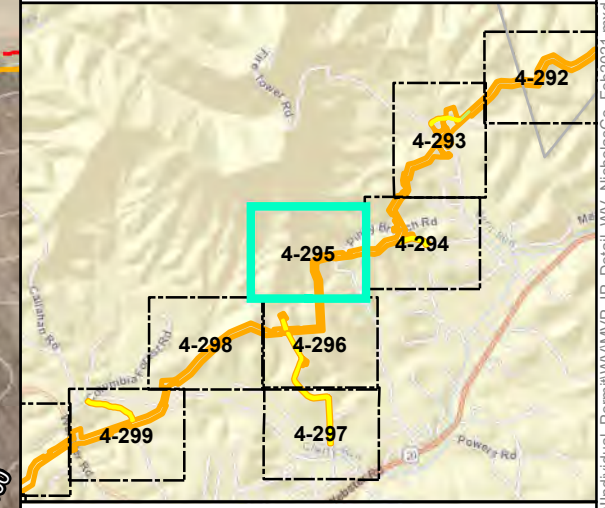
### Legend

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



## Mountain Valley Pipeline Project

**Detail Map**  
**Individual Permit Application**

Figure 4-295  
Nicholas County, West Virginia

February 2021

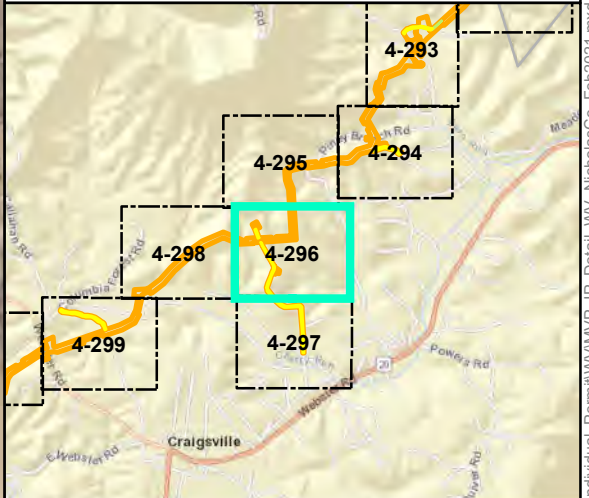
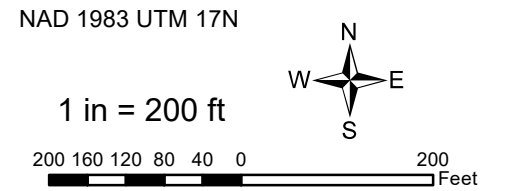
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-296  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

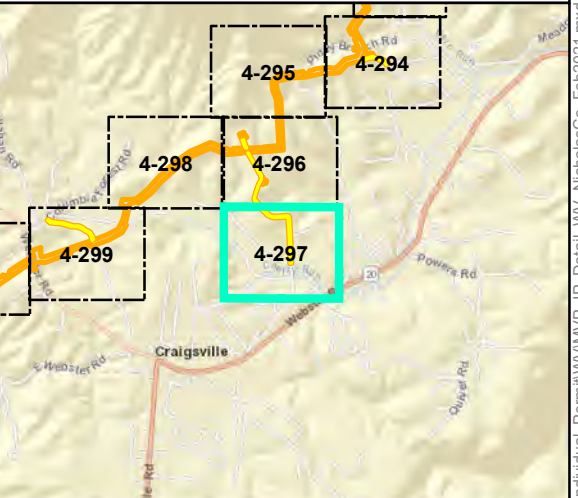
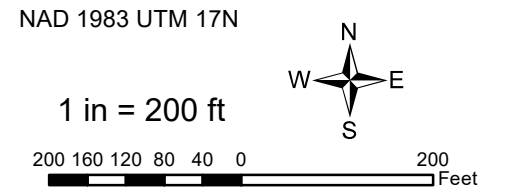
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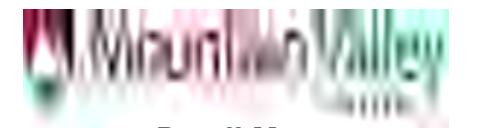
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ⊙ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-297  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



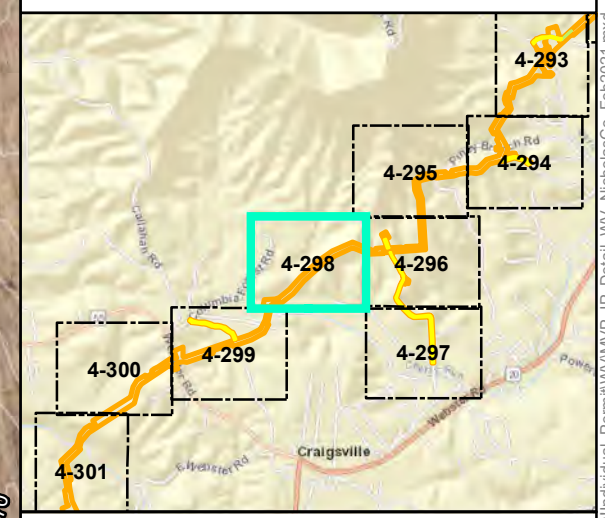
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-298  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



E&S BMP protection for W-B26-PSS-1 & W-B26-PSS-2. No impact to W-B26-PSS-1 or W-B26-PSS-2 in access road.

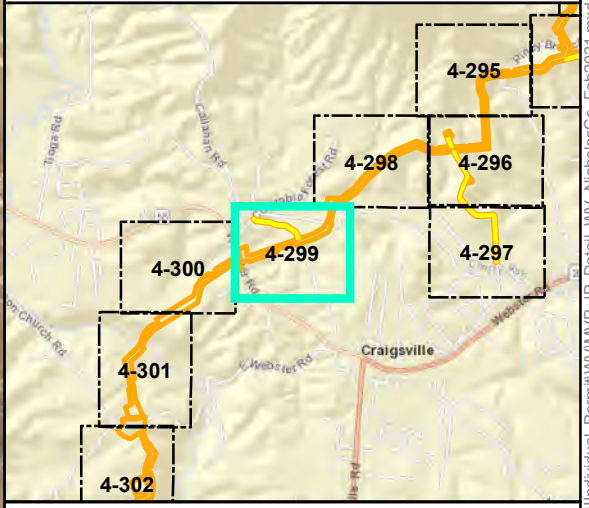
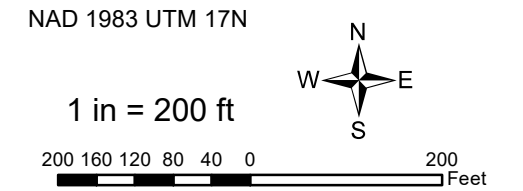
W-FF6-PSS Proposed bore. Temporary crossing structure impact.  
W-FF6-PEM Proposed bore. Temporary crossing structure impact.

S-B28 Proposed bore. Temporary crossing structure impact.

W-B27 Proposed bore. Temporary crossing structure impact.

- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
    - Intermittent
    - Perennial
    - Ephemeral
  - Pond
  - Wetland
    - Palustrine Forested
    - Palustrine Emergent
    - Palustrine Scrub-Shrub

Note: Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-299  
Nicholas County, West Virginia

February 2021

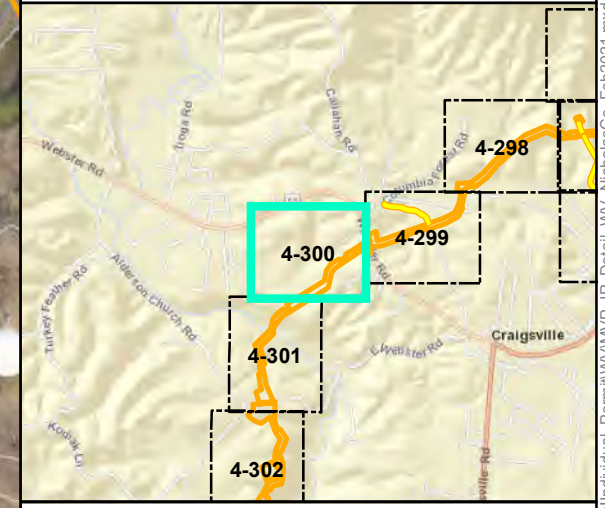
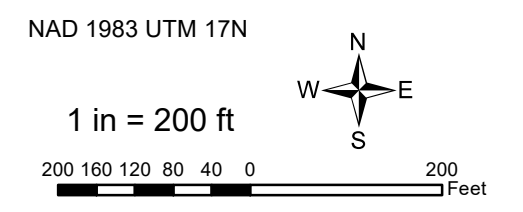
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\_MVP\Mapdocs\Wetlands\Individual\_Permit\WV\_MVP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- Milepost
  - - - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-300  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





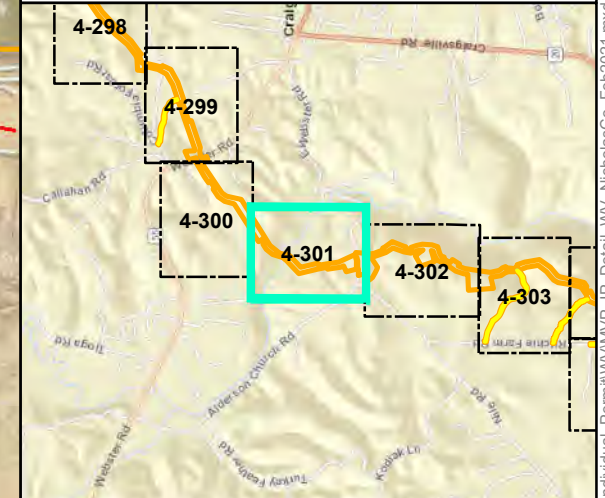
### Legend

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



## Mountain Valley Pipeline Project

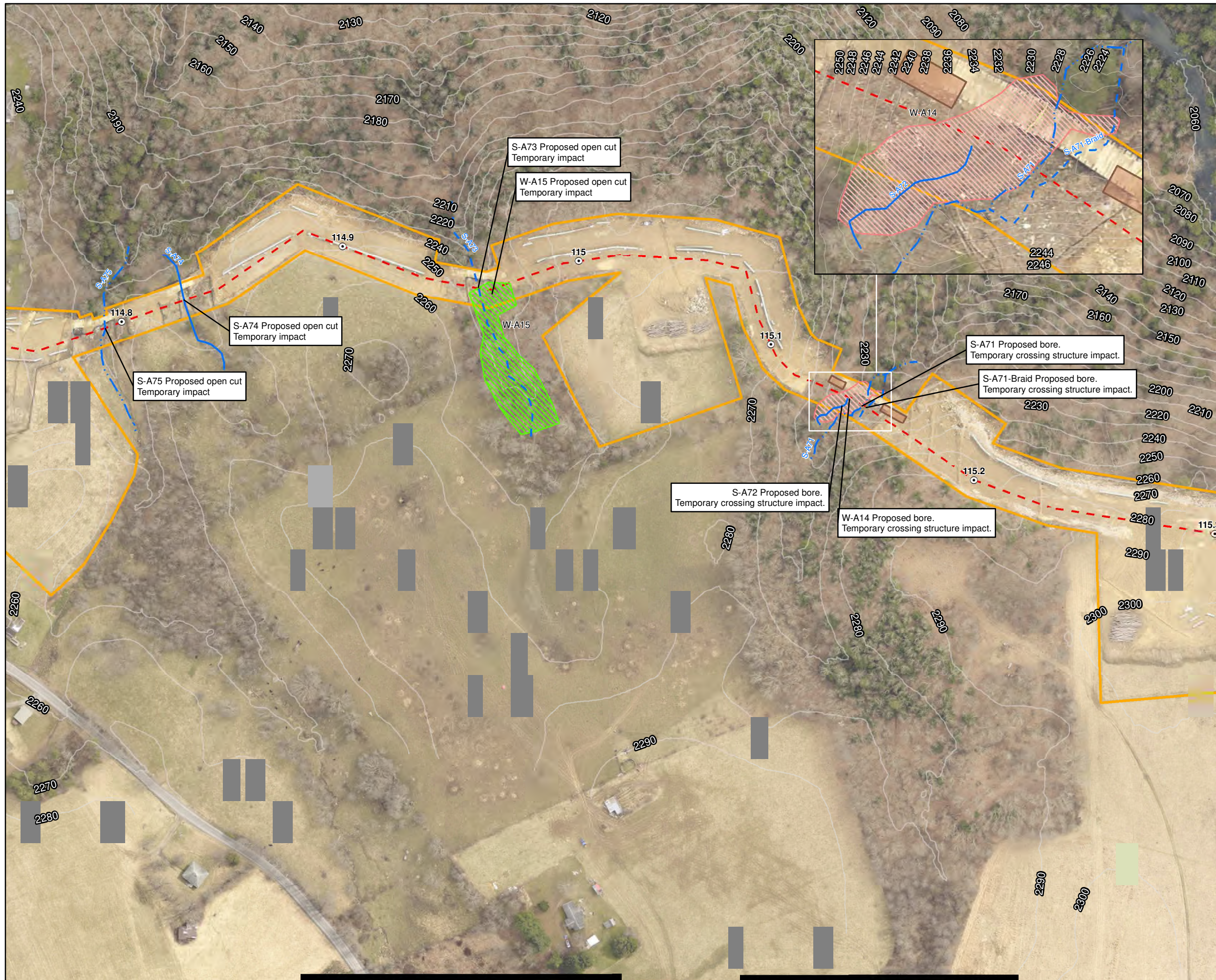
**Detail Map**  
**Individual Permit Application**

Figure 4-301  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



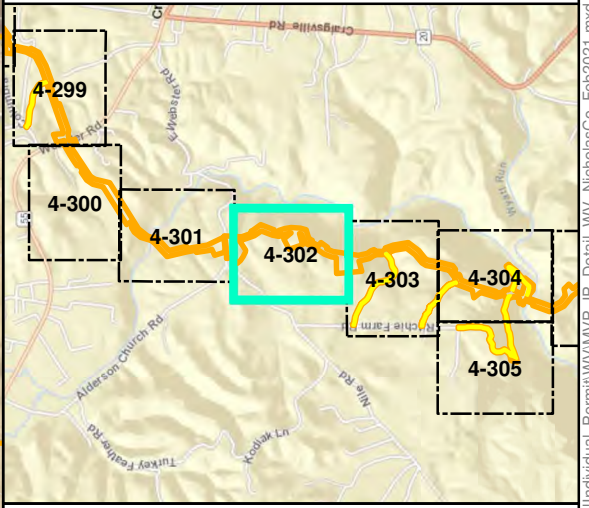
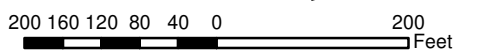
**Legend**

- Milepost
- Alignment Centerline
- Access Road Temporary LOD
- Access Road Permanent LOD
- Permanent Facility
- Limit of Disturbance
- Bore Pit
- Culvert
- Stream
- Intermittent
- Perennial
- Ephemeral
- ▨ Pond
- ▨ Wetland
- ▨ Palustrine Forested
- ▨ Palustrine Emergent
- ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-302  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\10152\GIS\GIS\ECOT\_MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\_WV\_NicholasCo\_Feb2021.mxd



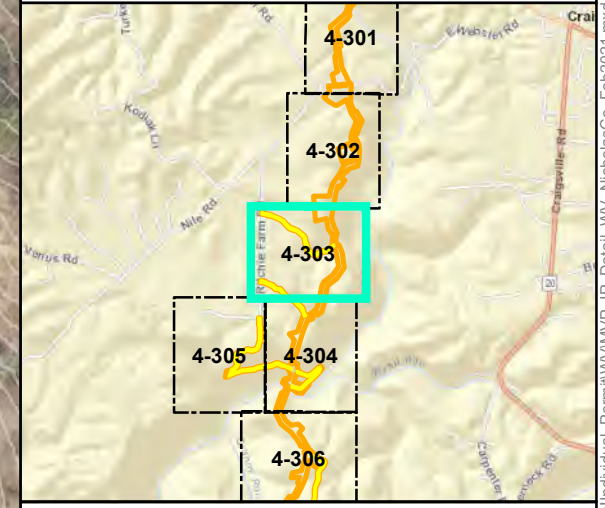
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-303  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\_MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





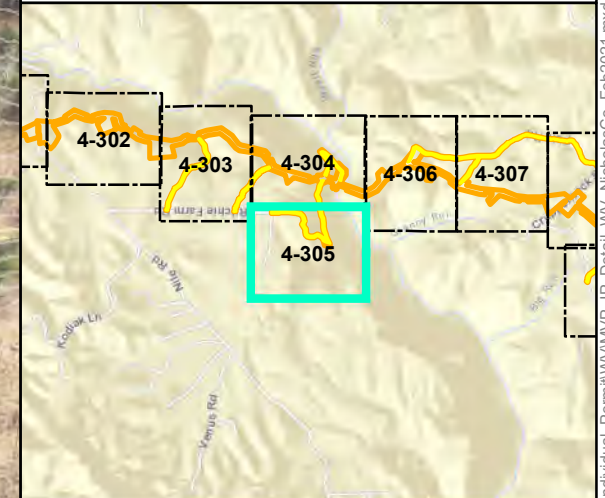
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
▬ Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-305  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_L\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



**Legend**

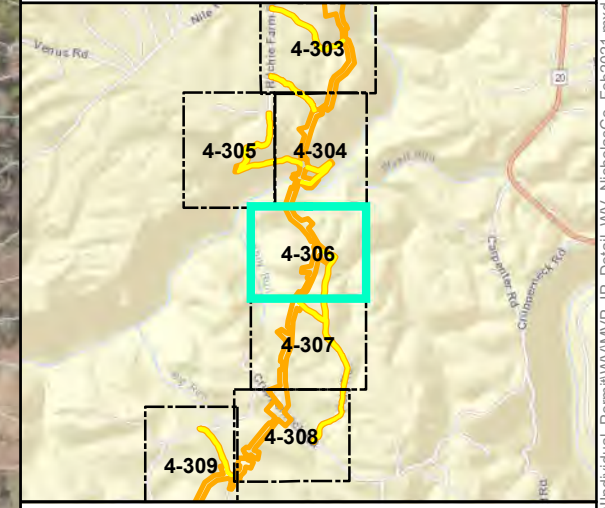
○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft

200 160 120 80 40 0 200 Feet



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-306  
Nicholas County, West Virginia

February 2021

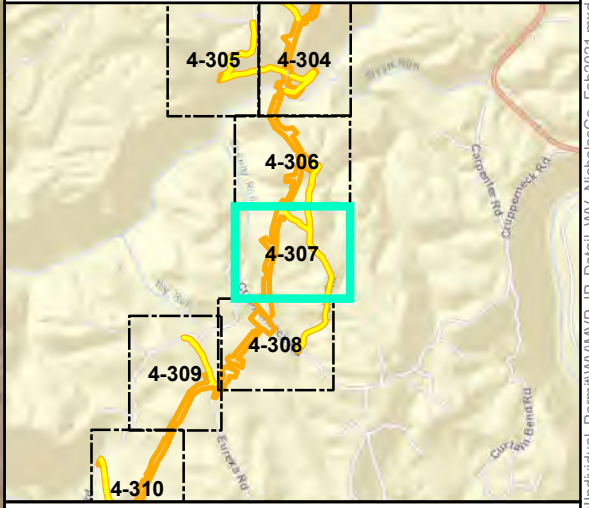
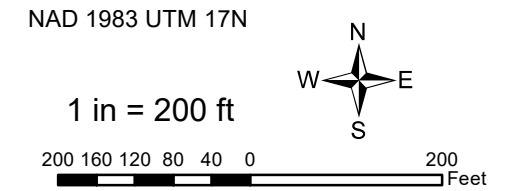
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - ▨ Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-307  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\01010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



**Legend**

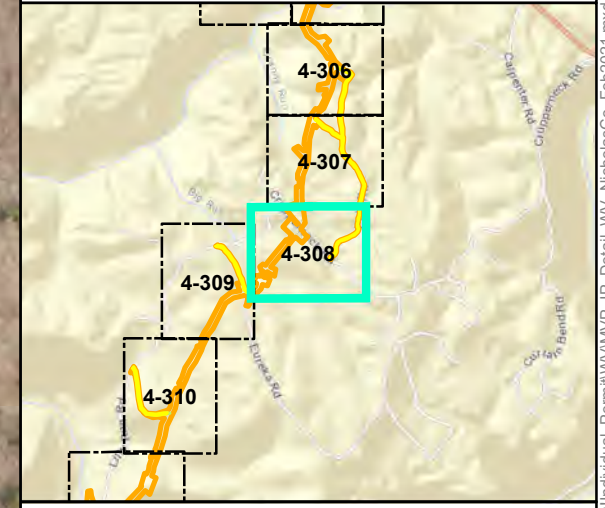
○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft

200 160 120 80 40 0 200 Feet



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-308  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\IP\_Detail\WV\_NicholasCo\_Feb2021.mxd

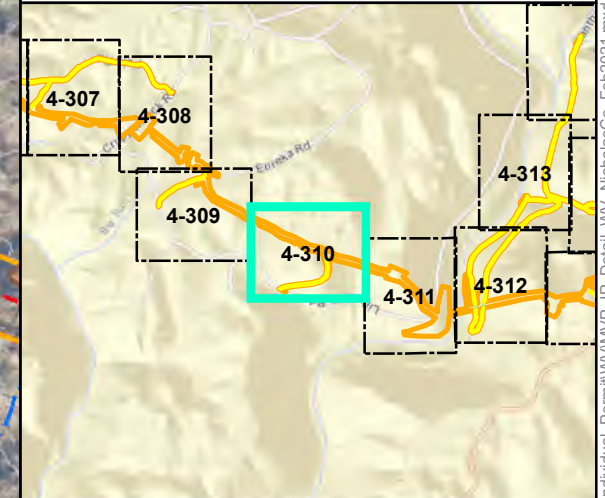
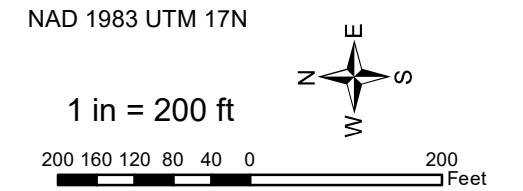






- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - ▨ Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map**  
**Individual Permit Application**

Figure 4-310  
Nicholas County, West Virginia

February 2021

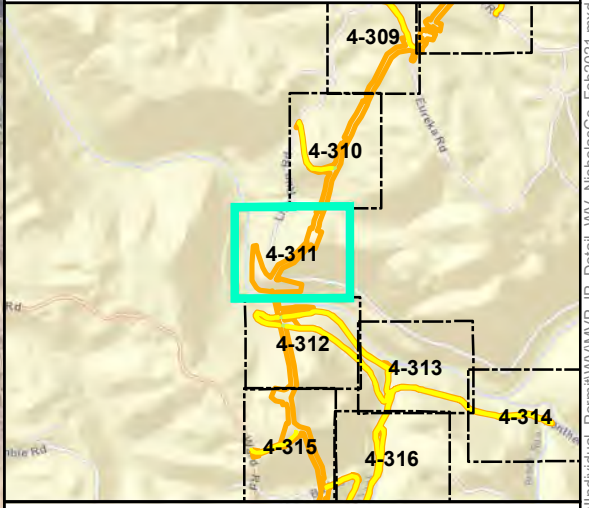
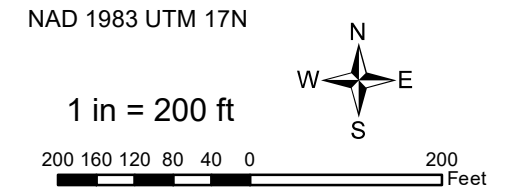
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
    - Intermittent
    - Perennial
    - Ephemeral
  - ▨ Pond
  - ▨ Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-311  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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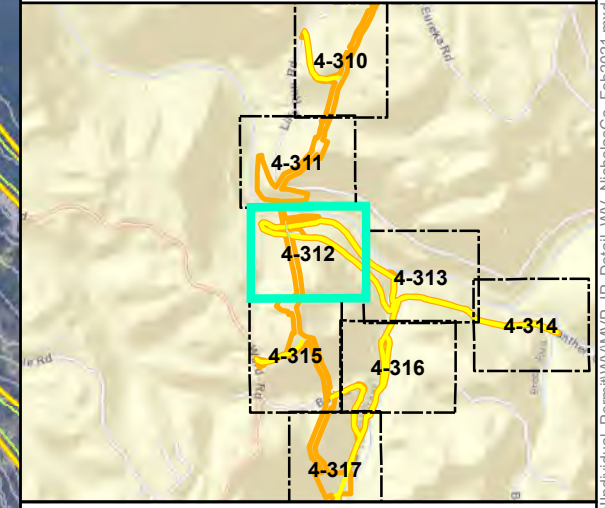
### Legend

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



## Mountain Valley Pipeline Project

**Detail Map**  
**Individual Permit Application**

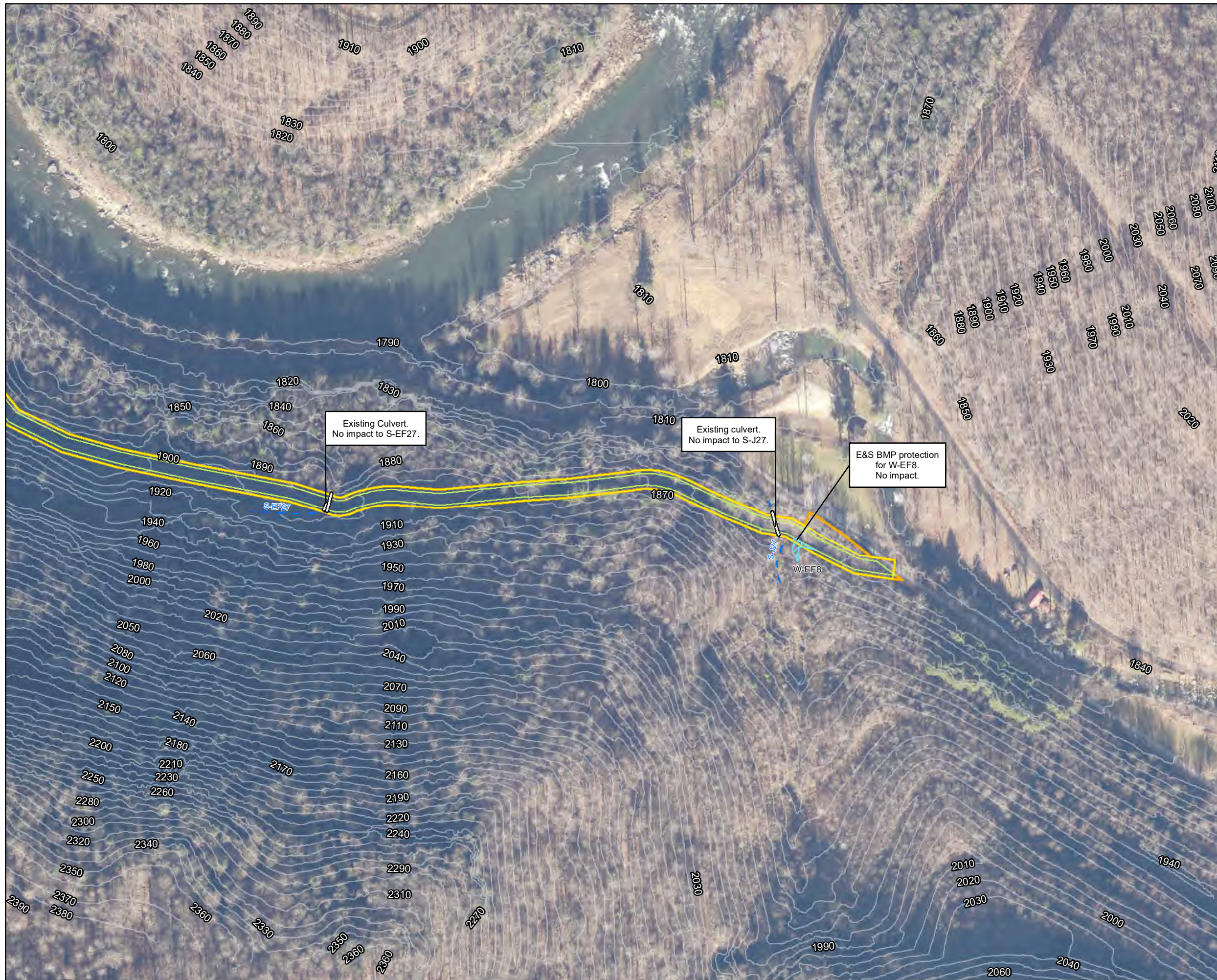
Figure 4-312  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

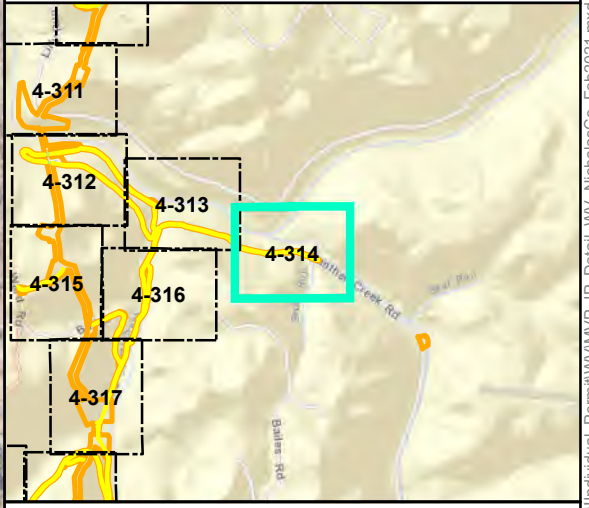
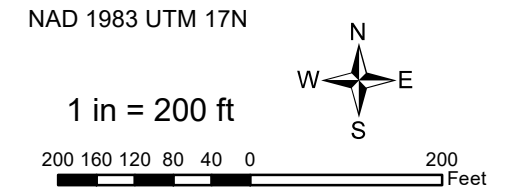
Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-314  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



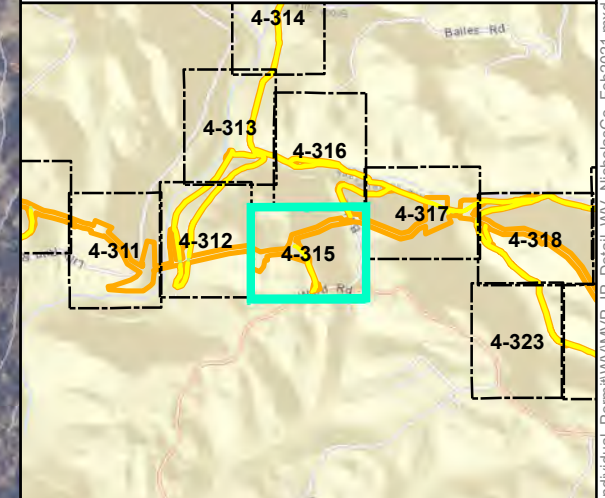
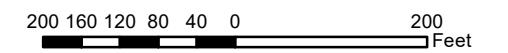
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



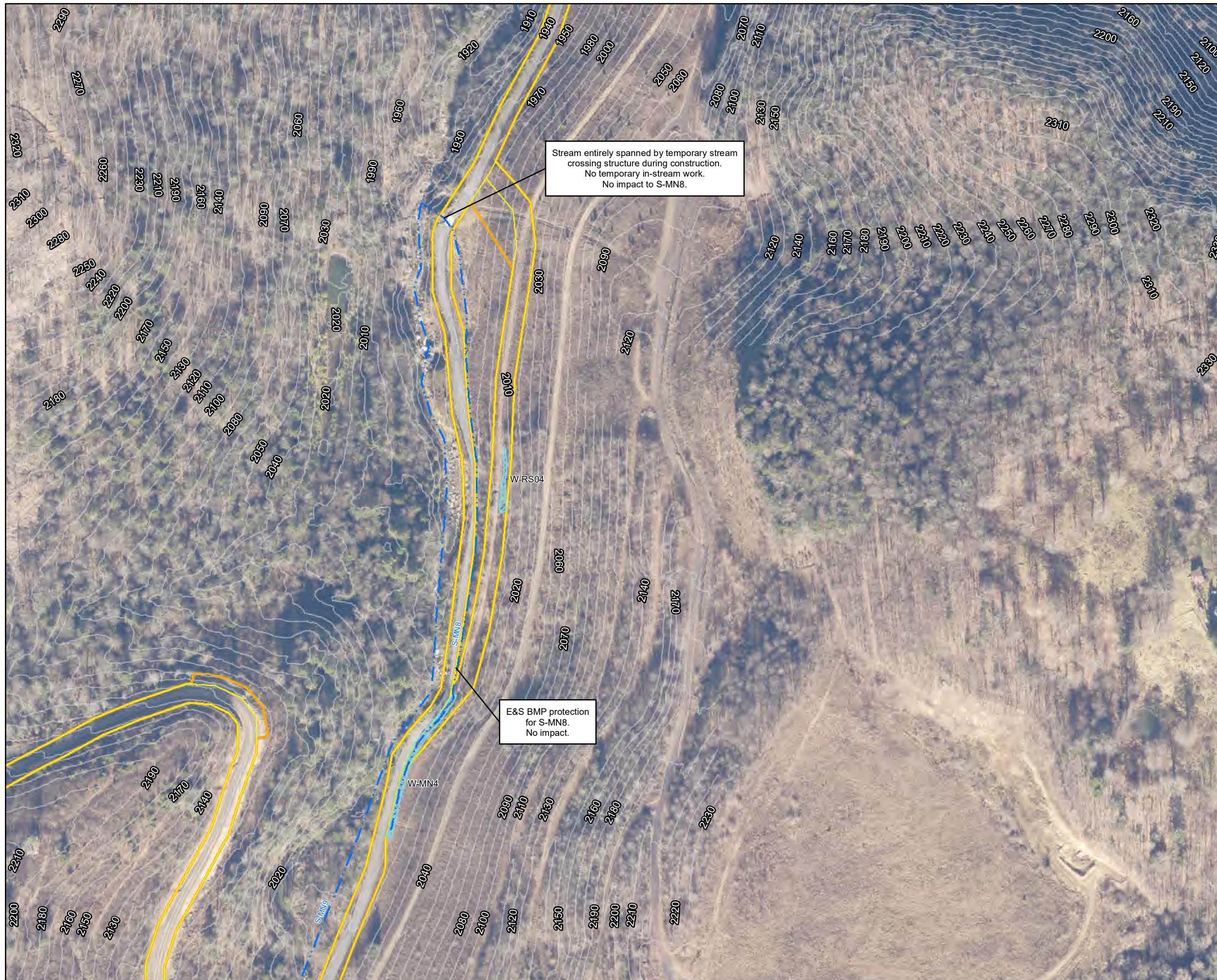
**Detail Map  
Individual Permit Application**

Figure 4-315  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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Stream entirely spanned by temporary stream crossing structure during construction.  
No temporary in-stream work.  
No impact to S-MN8.

E&S BMP protection for S-MN8.  
No impact.

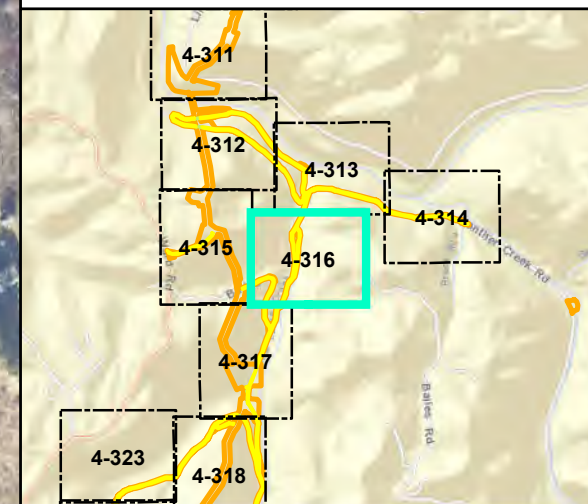
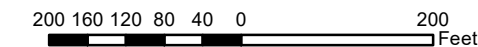
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

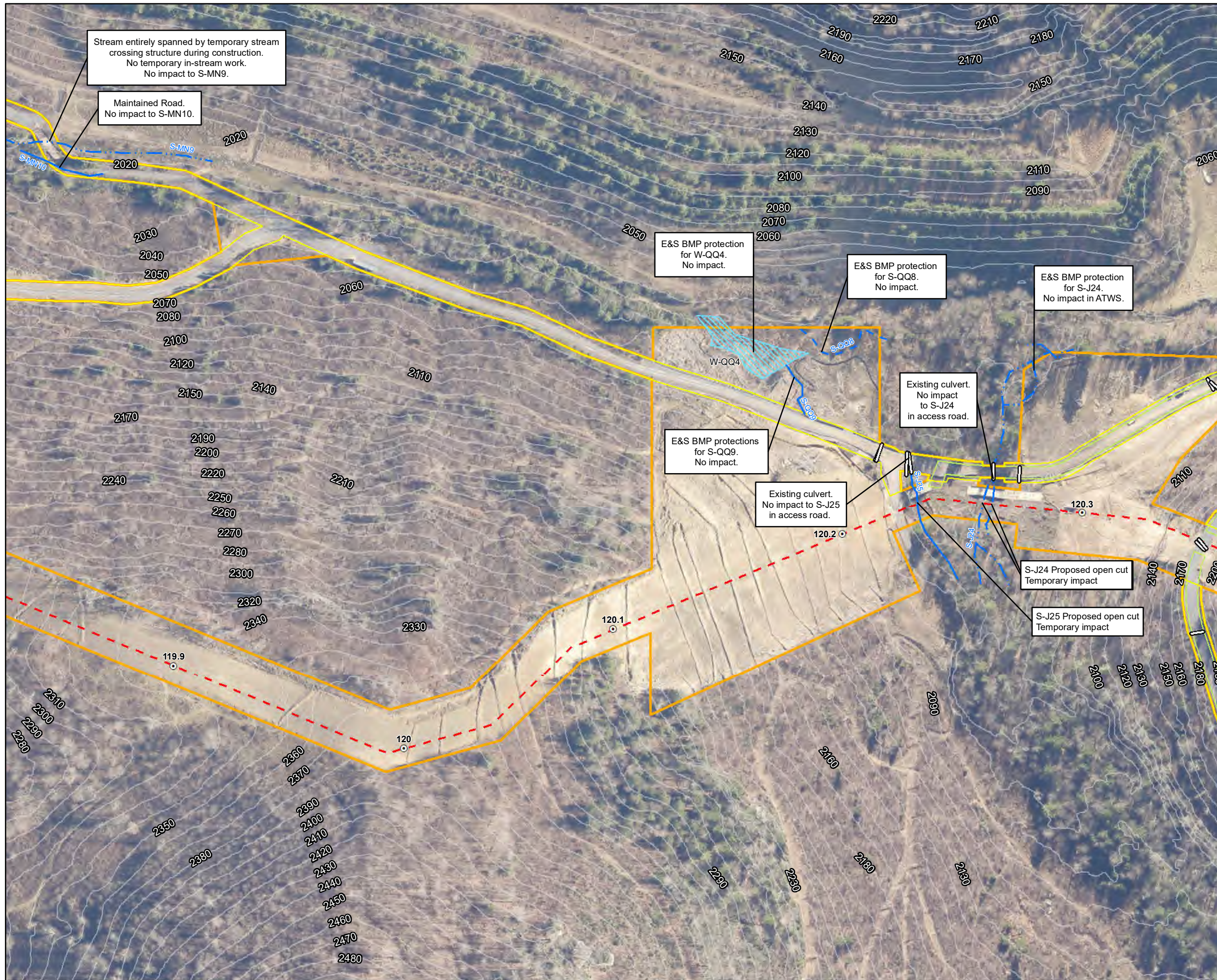
Figure 4-316  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

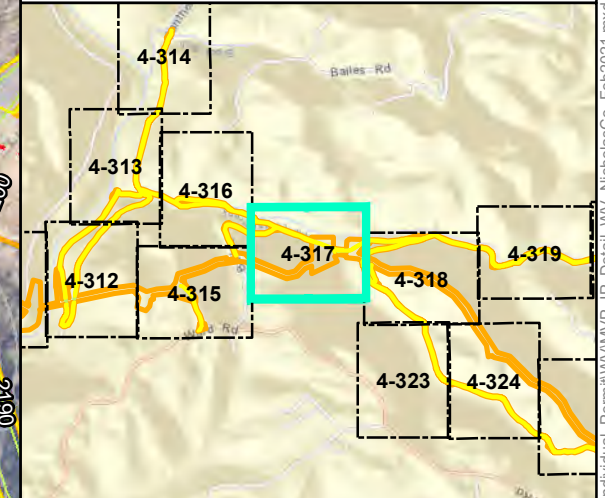
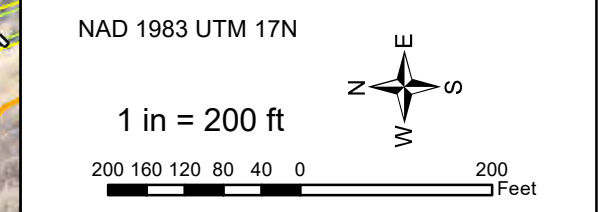
Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





- ### Legend
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
    - Intermittent
    - Perennial
    - Ephemeral
  - Pond
  - Wetland
    - Palustrine Forested
    - Palustrine Emergent
    - Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



## Mountain Valley Pipeline Project



**Detail Map**  
**Individual Permit Application**

Figure 4-317  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



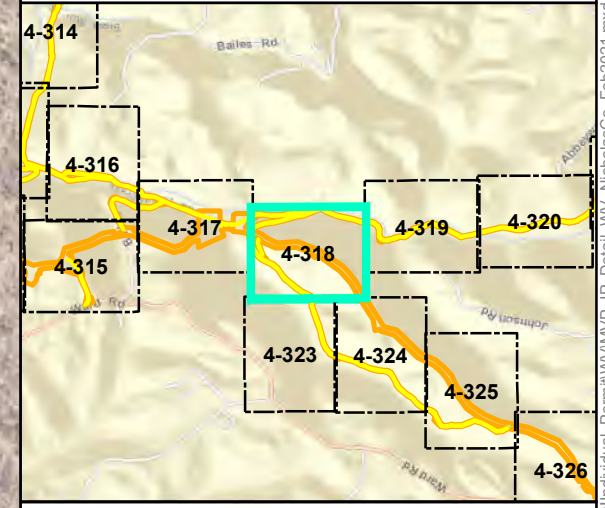
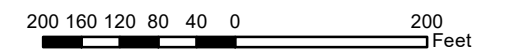
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| ▭ Access Road Temporary LOD | - · - · - Perennial      |
| ▭ Access Road Permanent LOD | — Ephemeral              |
| ▭ Permanent Facility        | ▨ Pond                   |
| ▭ Limit of Disturbance      | ▨ Wetland                |
| ▭ Bore Pit                  | ▨ Palustrine Forested    |
| ▭ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

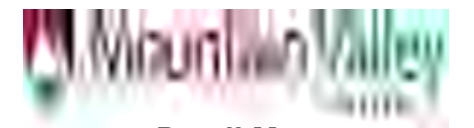
Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-318  
Nicholas County, West Virginia

February 2021

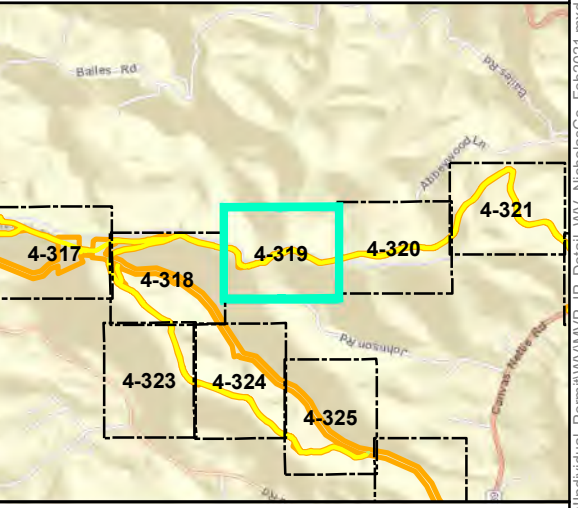
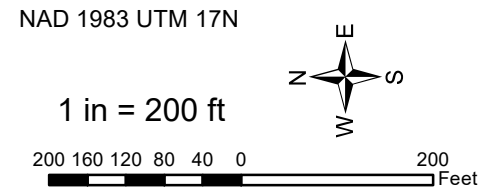
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\_MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - ▨ Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map**  
**Individual Permit Application**

Figure 4-319  
Nicholas County, West Virginia

February 2021

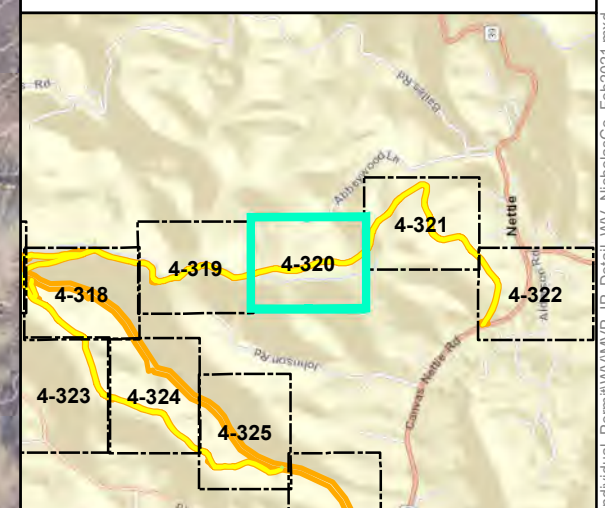
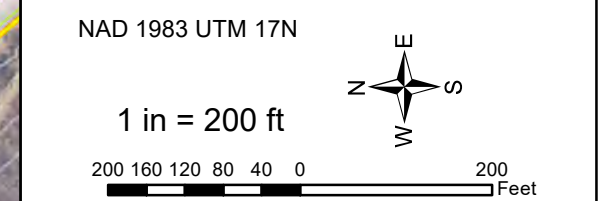
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- ### Legend
- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · Perennial        |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| □ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



## Mountain Valley Pipeline Project



### Detail Map Individual Permit Application

Figure 4-320  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



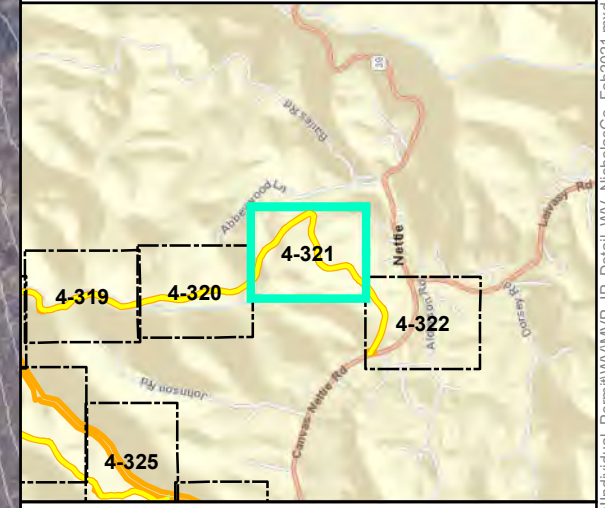
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
▬ Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-321  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

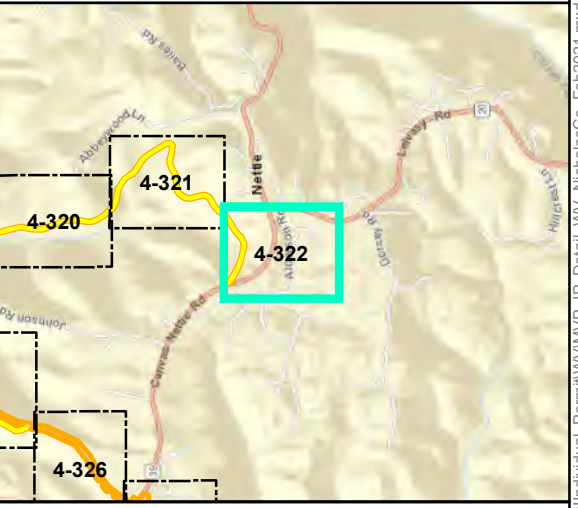
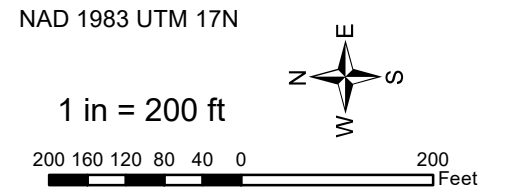
Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| ▭ Access Road Temporary LOD | - · - · - Perennial      |
| ▭ Access Road Permanent LOD | — Ephemeral              |
| ▭ Permanent Facility        | ▨ Pond                   |
| ▭ Limit of Disturbance      | ▨ Wetland                |
| ▭ Bore Pit                  | ▨ Palustrine Forested    |
| ▭ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-322  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



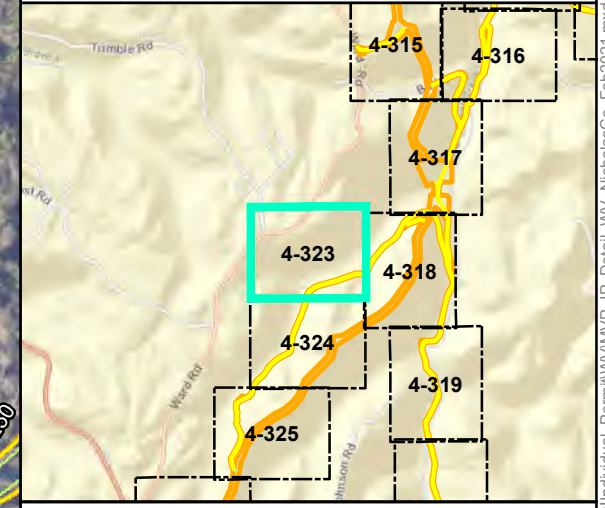
**Legend**

⊙ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
▭ Access Road Temporary LOD	- · - · - Perennial
▭ Access Road Permanent LOD	— Ephemeral
▭ Permanent Facility	▨ Pond
▭ Limit of Disturbance	▨ Wetland
▭ Bore Pit	▨ Palustrine Forested
▭ Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-323  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



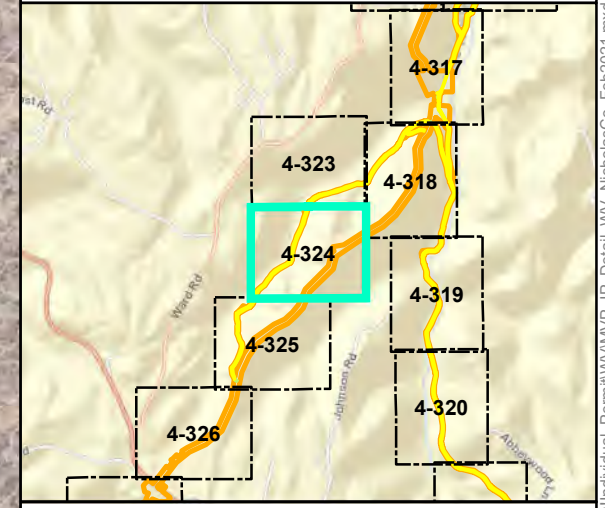
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-324  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

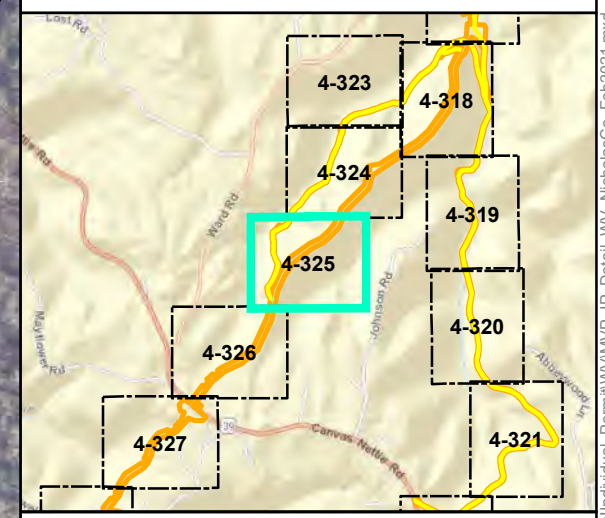
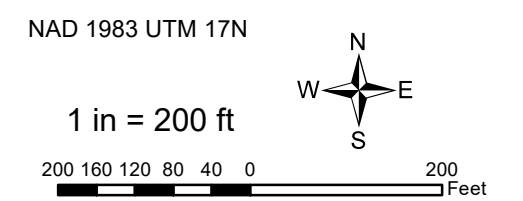
Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





- Legend**
- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · Perennial        |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| ▭ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-325  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

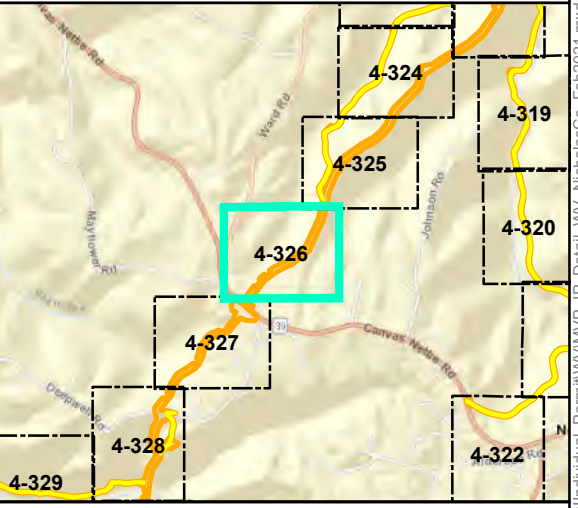
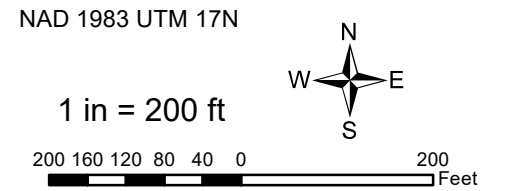
Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| ▭ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| ▭ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-326  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_Detail\WV\_NicholasCo\_Feb2021.mxd



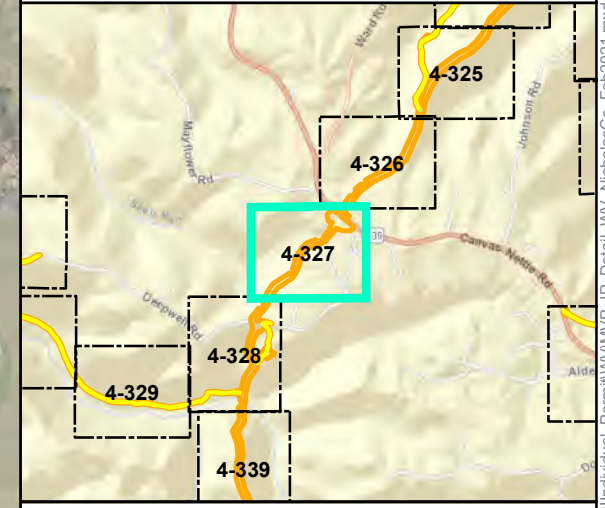
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-327  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\MapDocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





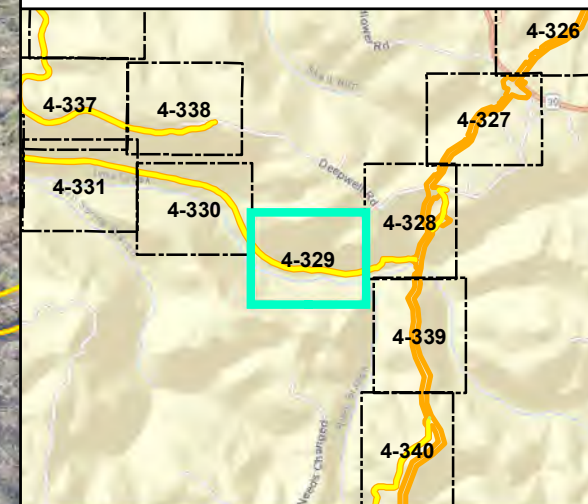
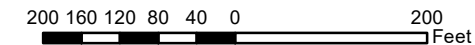
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-329  
Nicholas County, West Virginia

February 2021

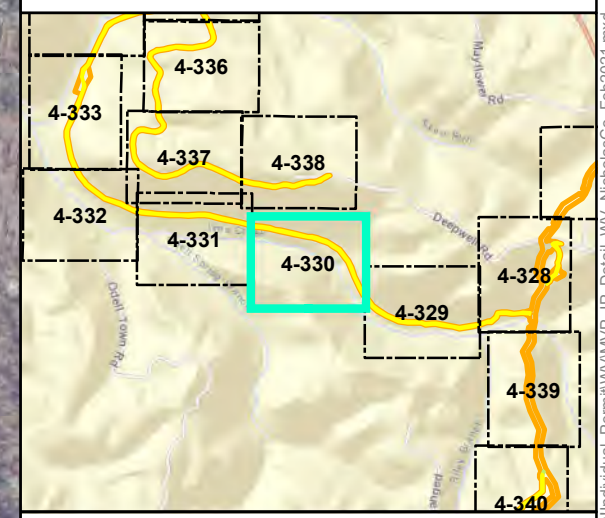
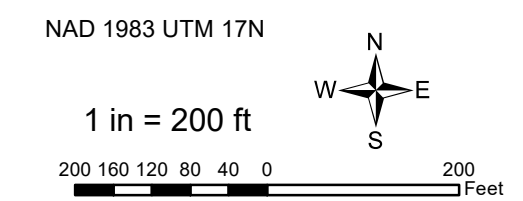
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- |                             |                          |
|-----------------------------|--------------------------|
| ⊙ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · · · Perennial        |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| ▬ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-330  
Nicholas County, West Virginia  
February 2021

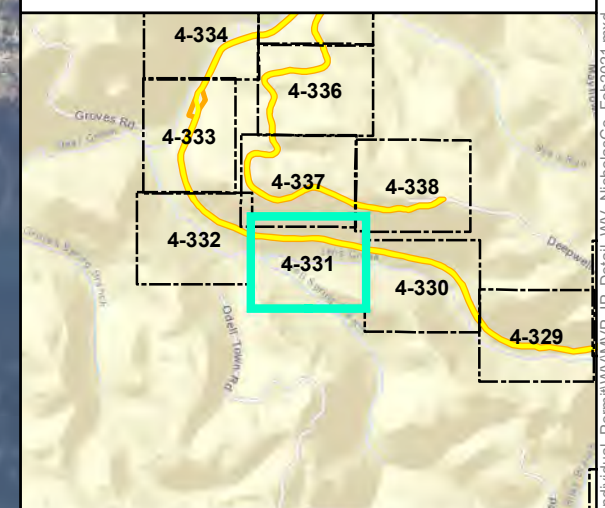
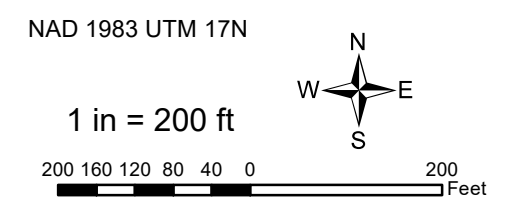
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd

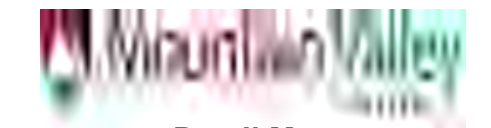


- Legend**
- ⊙ Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - ▬ Culvert
  - Stream
  - Intermittent
  - ⋯ Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-331  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



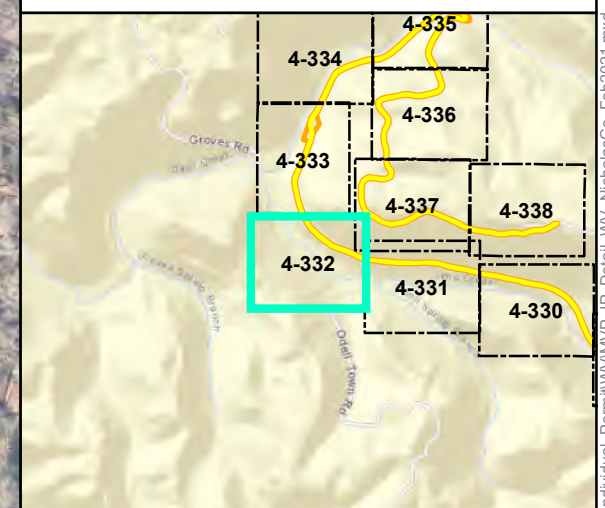
**Legend**

⊙ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · · · Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
▬ Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-332  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

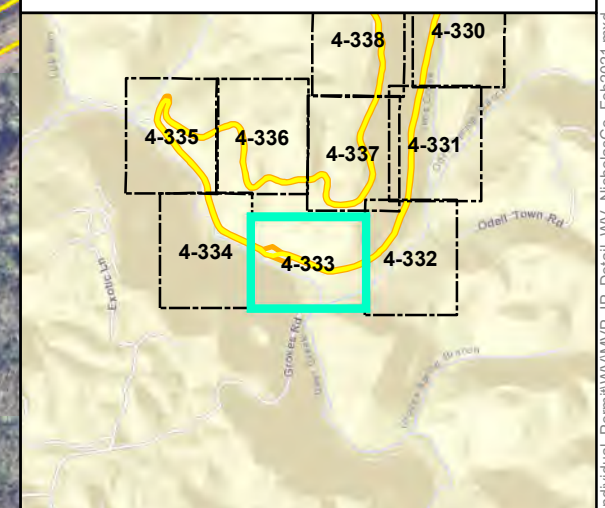
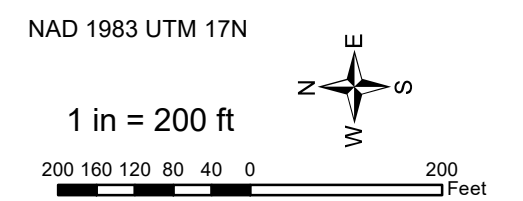
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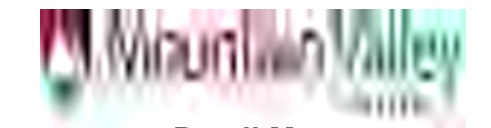


- Legend**
- |                             |                          |
|-----------------------------|--------------------------|
| ⊙ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-333  
Nicholas County, West Virginia

February 2021

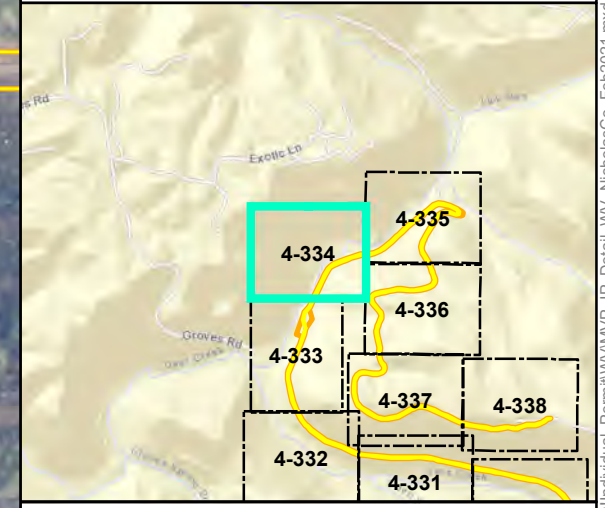
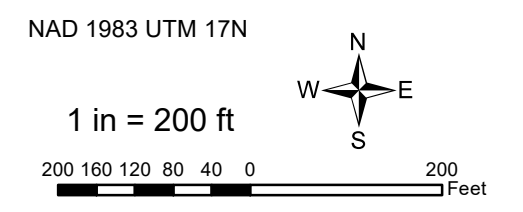
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- ⊙ Milepost
  - - - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - - - Intermittent
  - ⋯ Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-334  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



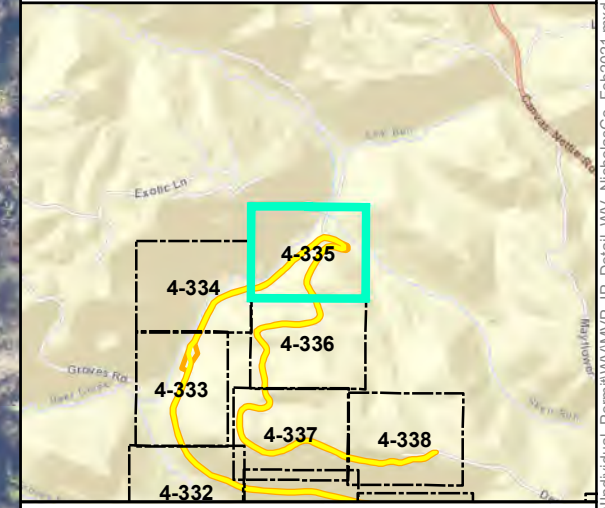
**Legend**

⊙ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-335  
Nicholas County, West Virginia  
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

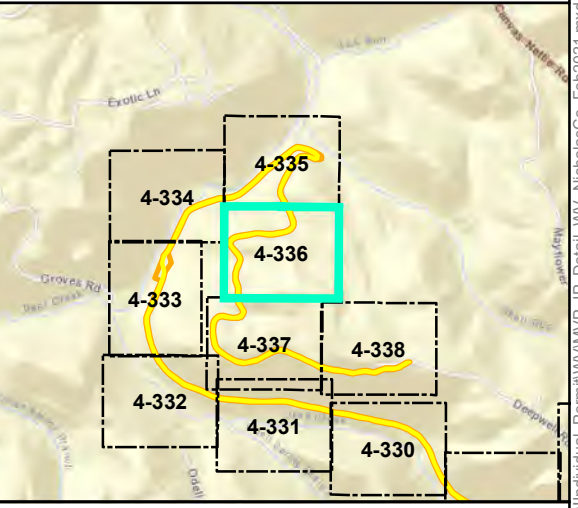
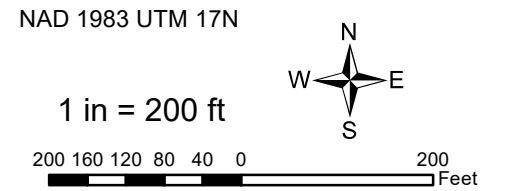
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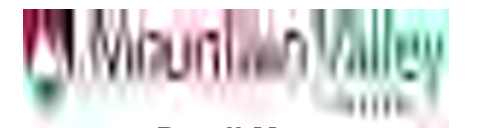
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ⊙ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · · · Perennial        |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| ▬ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-336  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

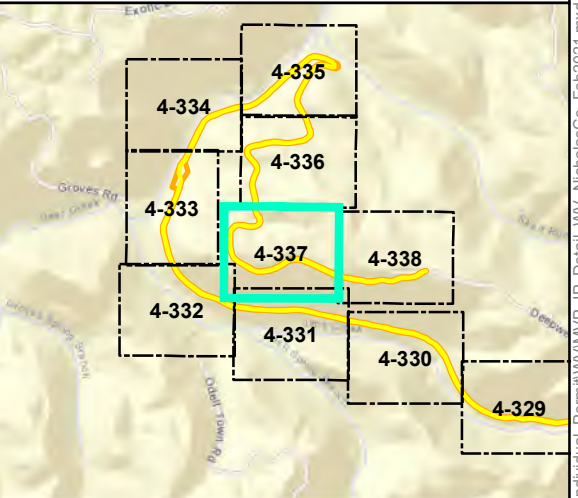
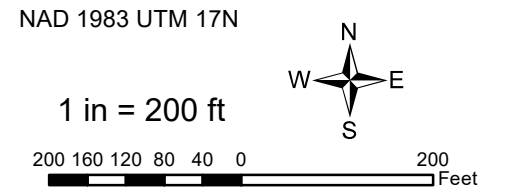
Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ⊙ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| ▬ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-337  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\_WV\_NicholasCo\_Feb2021.mxd

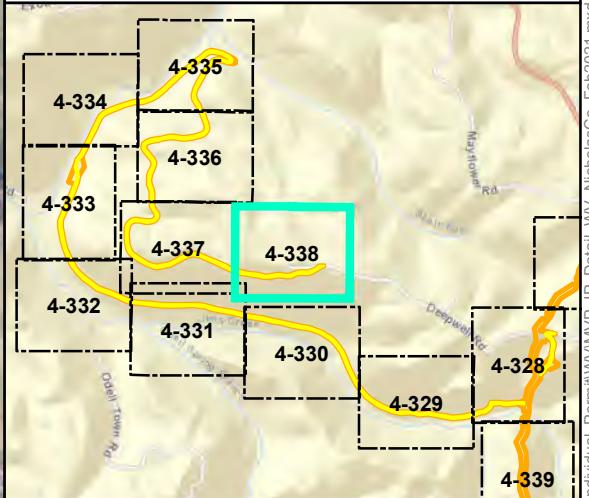
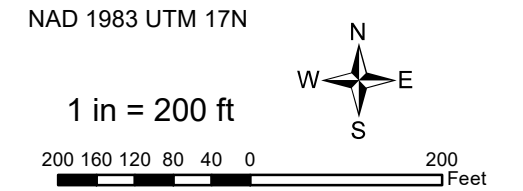


Maintained road.  
Existing culvert.  
No impact to S-W2

Maintained road.  
Existing culvert.  
No impact to S-W1

- Legend**
- ⊙ Milepost
  - - - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - ▬ Culvert
  - Stream
  - - - Intermittent
  - ⋯ Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-338  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\IMVP\Mapdocs\Wetlands\Individual\_Permit\WV\IMVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



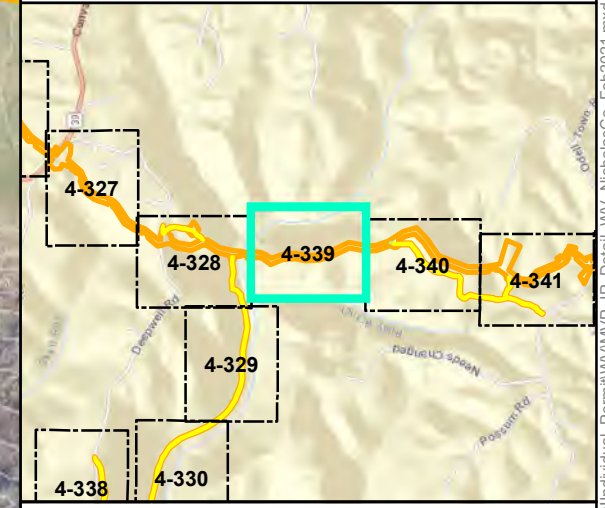
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-339  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



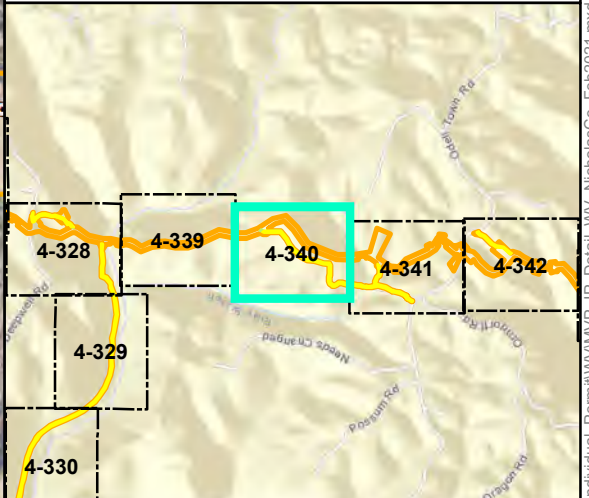
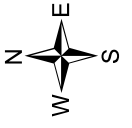
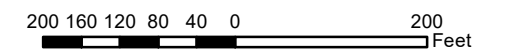
**Legend**

- Milepost
- Alignment Centerline
- Access Road Temporary LOD
- Access Road Permanent LOD
- Permanent Facility
- Limit of Disturbance
- Bore Pit
- Culvert
- Stream
- Intermittent
- Perennial
- Ephemeral
- ▨ Pond
- Wetland
- ▨ Palustrine Forested
- ▨ Palustrine Emergent
- ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

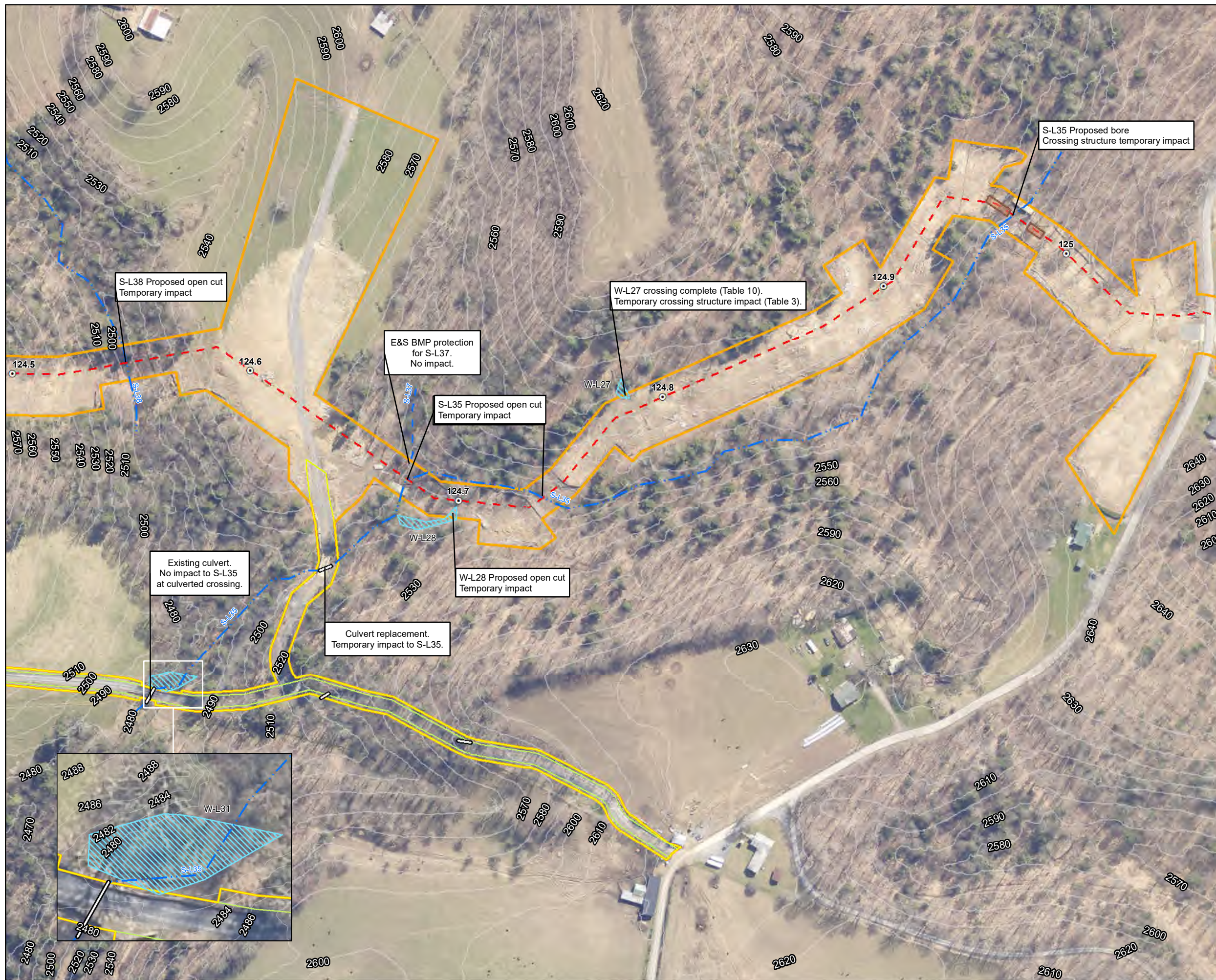
Figure 4-340  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





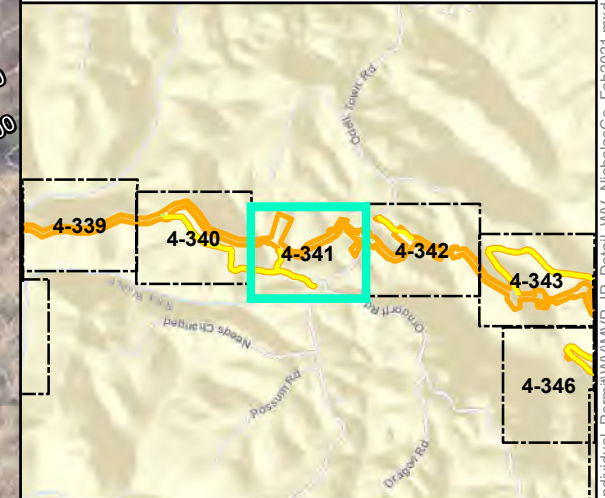
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-341  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\_MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



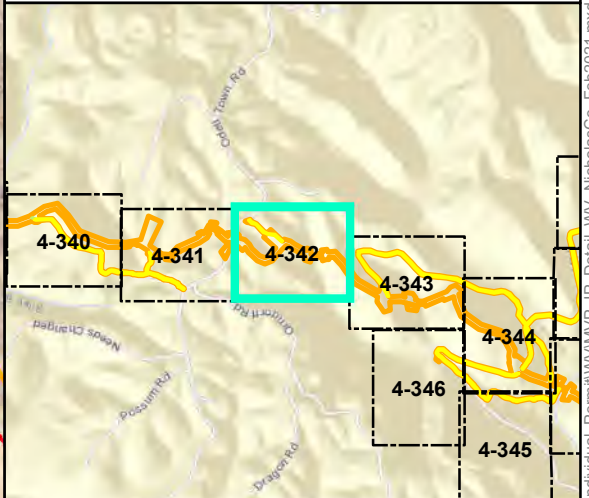
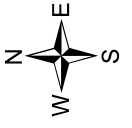
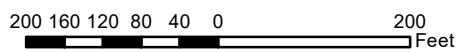
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-342  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd

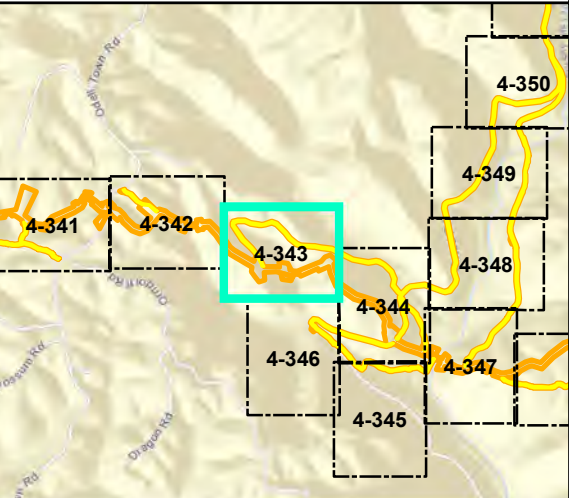
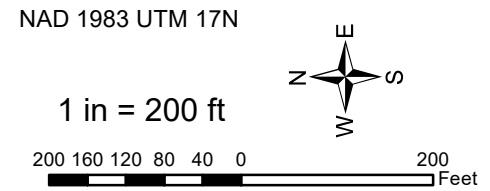


Existing culvert.  
No impact to S-N19.

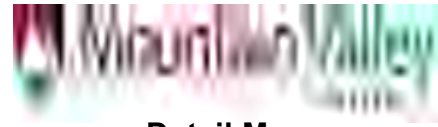
S-140 Proposed open cut  
Temporary impact

- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - ▨ Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-343  
Nicholas County, West Virginia

February 2021

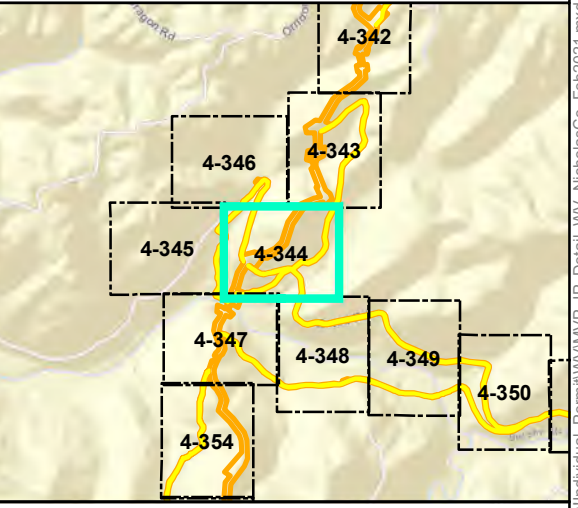
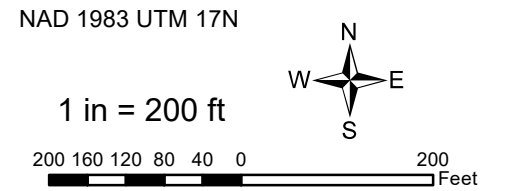
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- Milepost
  - - - Alignment Centerline
  - ▭ Access Road Temporary LOD
  - ▭ Access Road Permanent LOD
  - ▭ Permanent Facility
  - ▭ Limit of Disturbance
  - ▭ Bore Pit
  - ▭ Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▭ Pond
  - ▭ Wetland
  - ▭ Palustrine Forested
  - ▭ Palustrine Emergent
  - ▭ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map**  
**Individual Permit Application**

Figure 4-344  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Maintained road.  
Existing culvert.  
No impact to S-EF42

S-141 & W-11a Proposed open cut  
Temporary impact

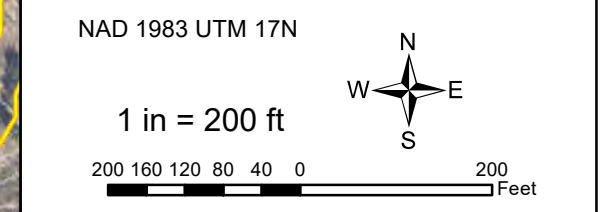
Continued on  
Page 352

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd

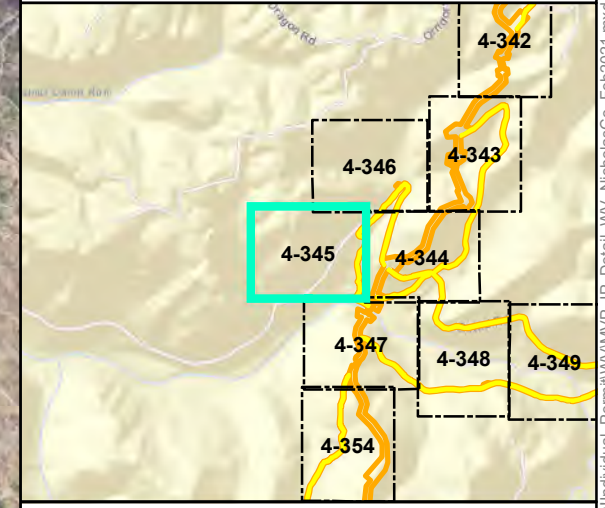


- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream Intermittent
  - Stream Perennial
  - Stream Ephemeral
  - ▨ Pond
  - Wetland Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



Mountain Valley does not plan to use access road MVP-NI-160(Ext). No impacts are anticipated to S-SR03 & S-RS04.



**Mountain Valley Pipeline Project**



**Detail Map**  
**Individual Permit Application**

Figure 4-345  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

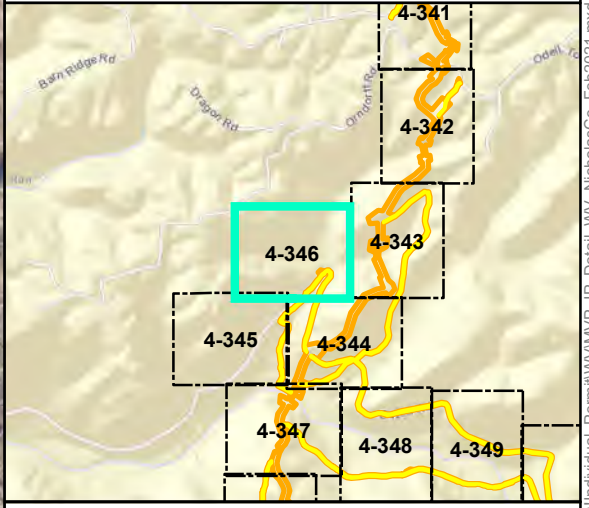
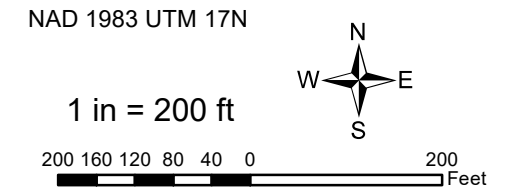
Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-346  
Nicholas County, West Virginia

February 2021

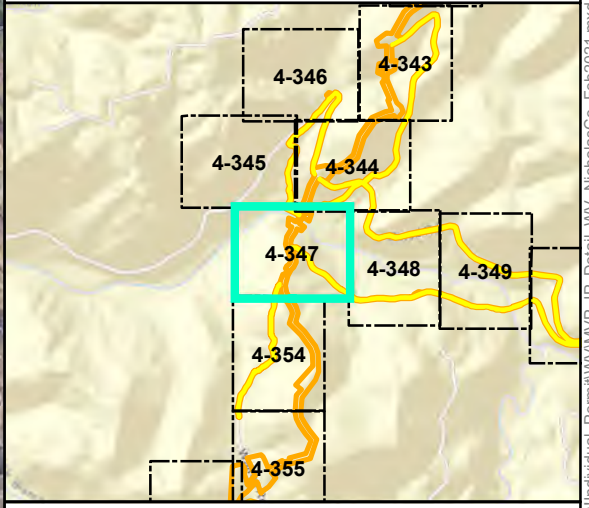
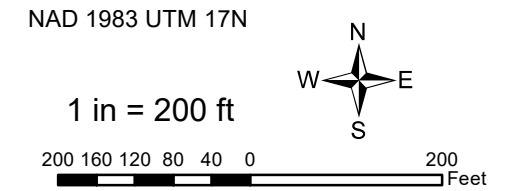
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- Legend**
- Milepost
  - Alignment Centerline
  - ▭ Access Road Temporary LOD
  - ▭ Access Road Permanent LOD
  - ▭ Permanent Facility
  - ▭ Limit of Disturbance
  - ▭ Bore Pit
  - ▭ Culvert
  - Stream
    - Intermittent
    - Perennial
    - Ephemeral
  - ▭ Pond
  - ▭ Wetland
    - ▭ Palustrine Forested
    - ▭ Palustrine Emergent
    - ▭ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-347  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\WV\Mapdocs\Wetlands\Individual\_Permit\WV\WVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



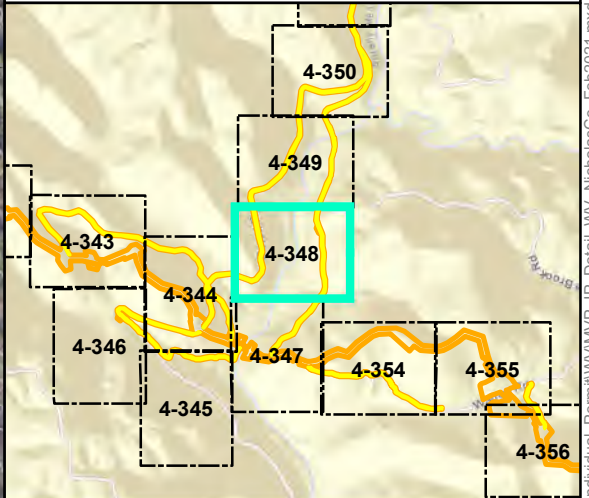
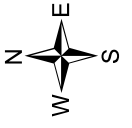
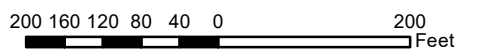
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-348  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Continued From  
Page 349

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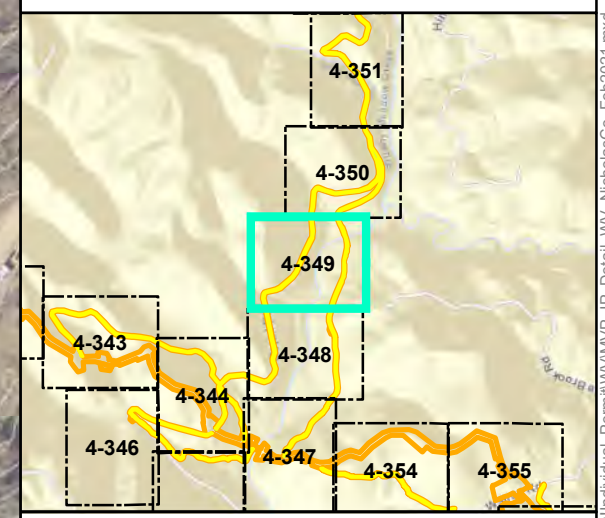
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
▬ Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-349  
Nicholas County, West Virginia

February 2021

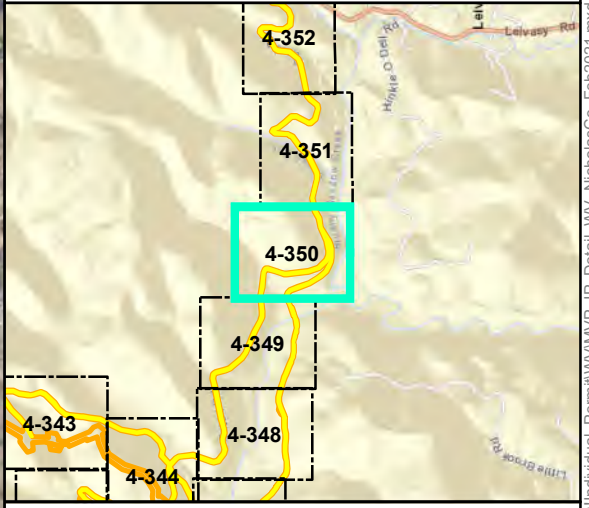
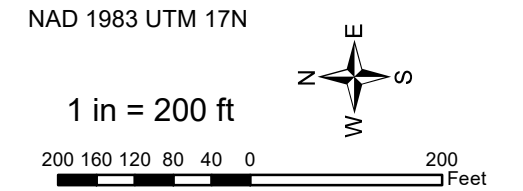
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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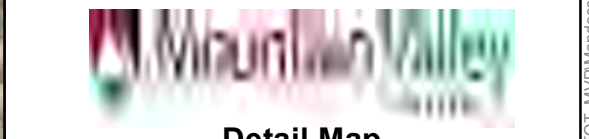


- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - ▬ Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - ▨ Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map**  
**Individual Permit Application**

Figure 4-350  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\01012\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





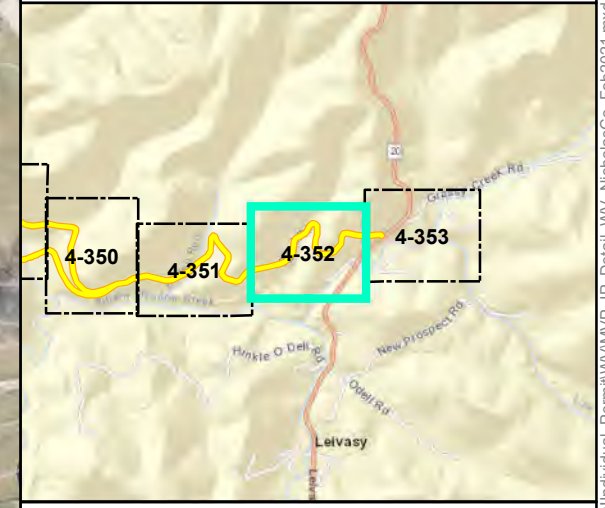
### Legend

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



## Mountain Valley Pipeline Project

**Detail Map**  
**Individual Permit Application**

Figure 4-352  
Nicholas County, West Virginia

February 2021

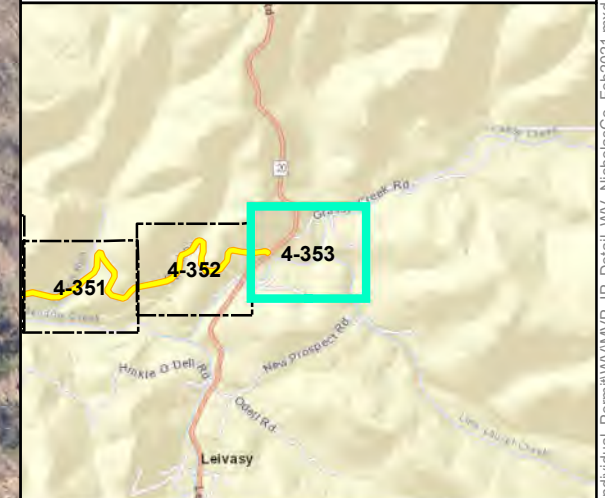
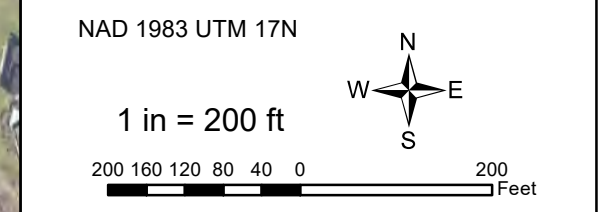
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- Legend**
- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-353  
Nicholas County, West Virginia  
February 2021

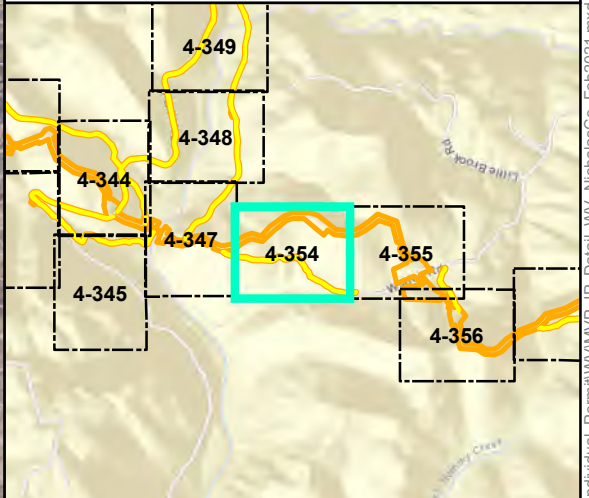
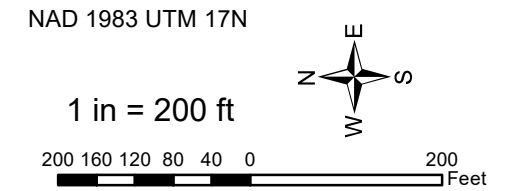
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



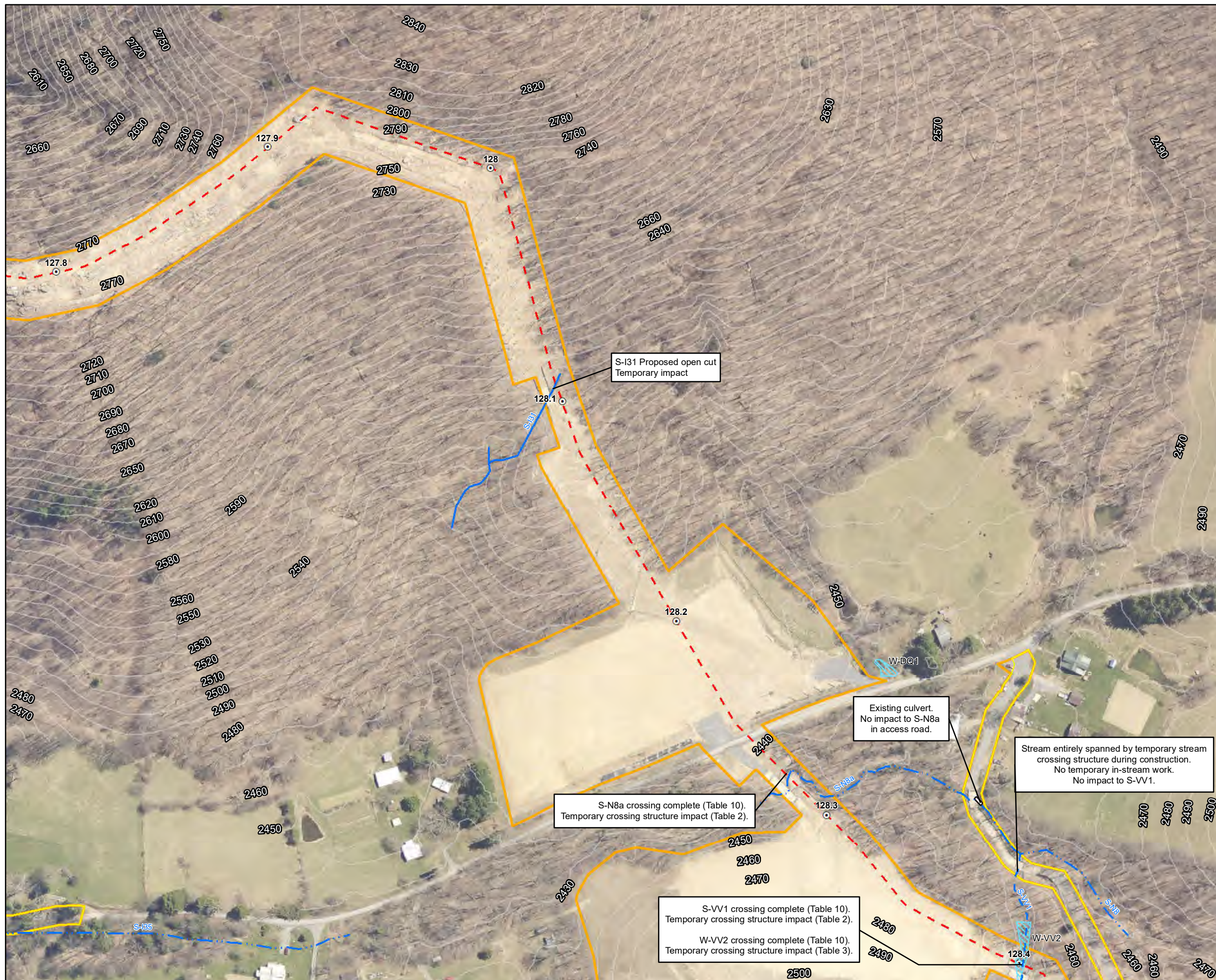
**Detail Map  
Individual Permit Application**

Figure 4-354  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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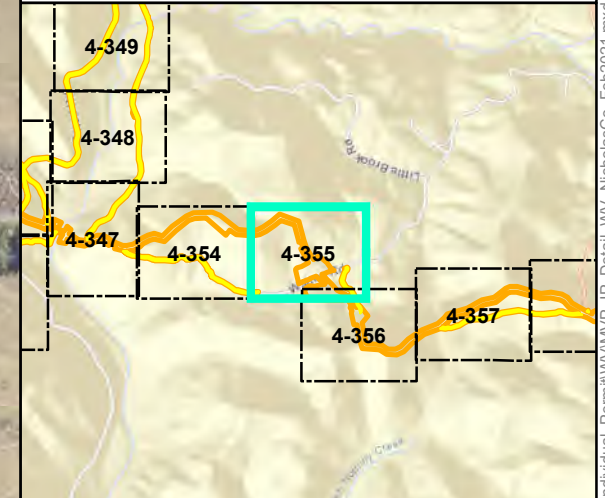
### Legend

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
▭ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



## Mountain Valley Pipeline Project



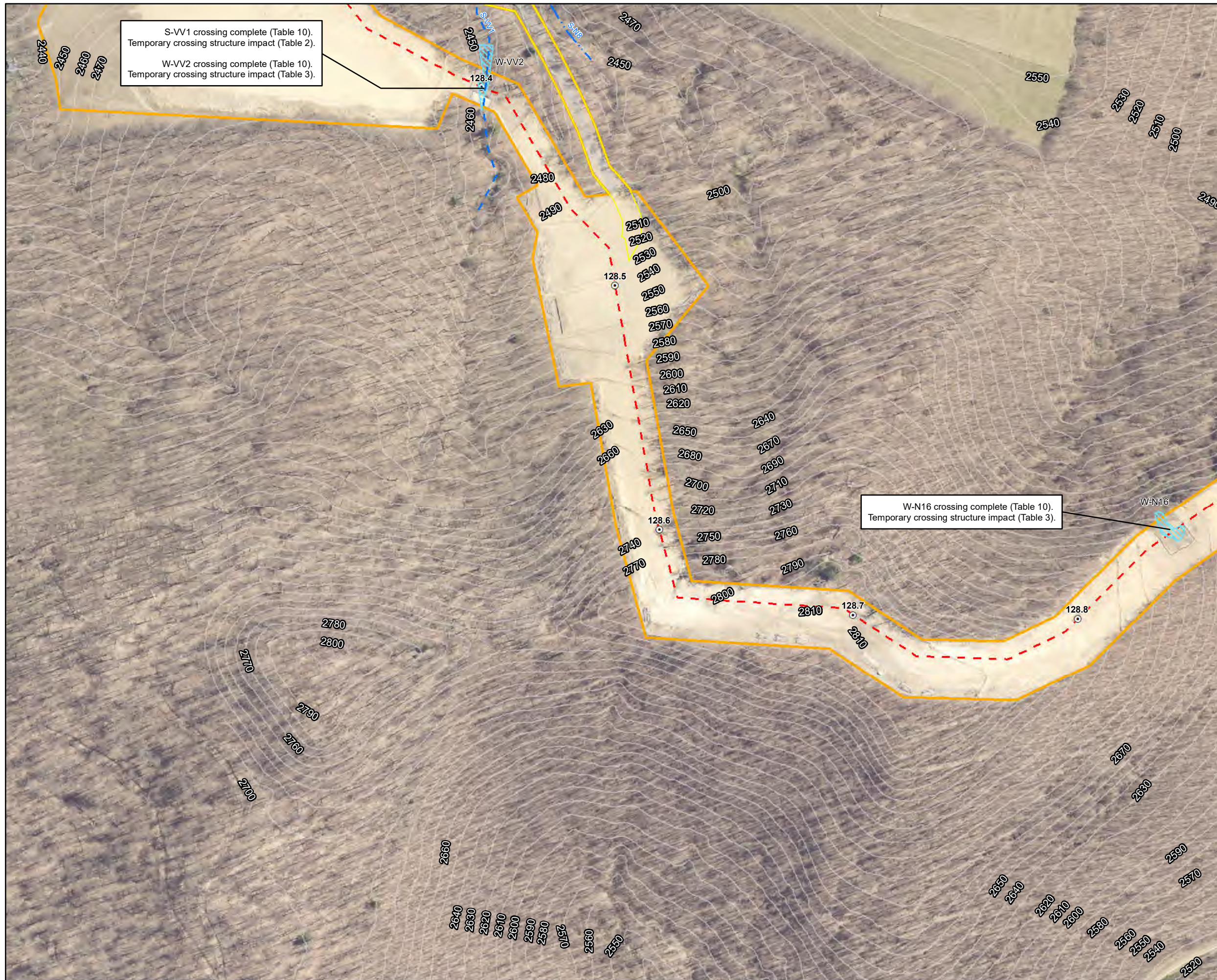
**Detail Map**  
**Individual Permit Application**

Figure 4-355  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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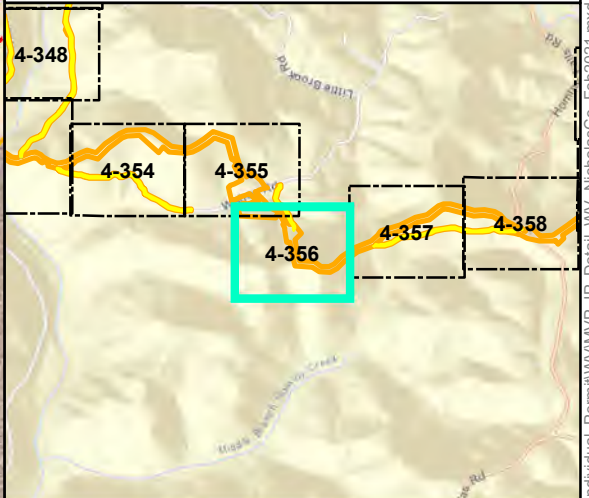
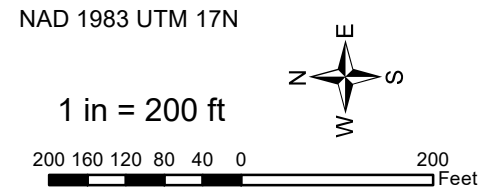
S-VV1 crossing complete (Table 10).  
Temporary crossing structure impact (Table 2).

W-VV2 crossing complete (Table 10).  
Temporary crossing structure impact (Table 3).

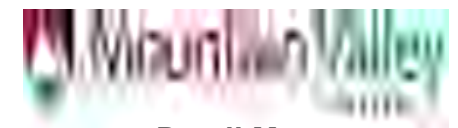
W-N16 crossing complete (Table 10).  
Temporary crossing structure impact (Table 3).

- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
    - Intermittent
    - Perennial
    - Ephemeral
  - Pond
  - Wetland
    - Palustrine Forested
    - Palustrine Emergent
    - Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-356  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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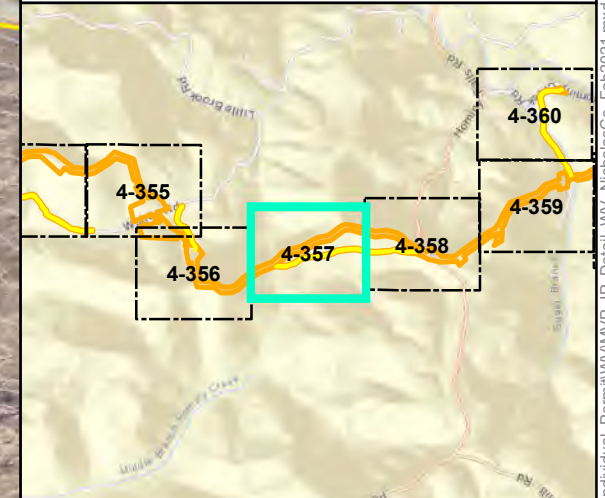
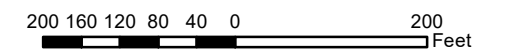
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

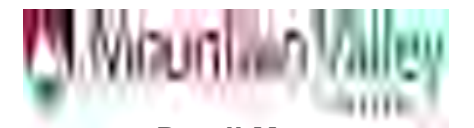
Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-357  
Nicholas County, West Virginia

February 2021

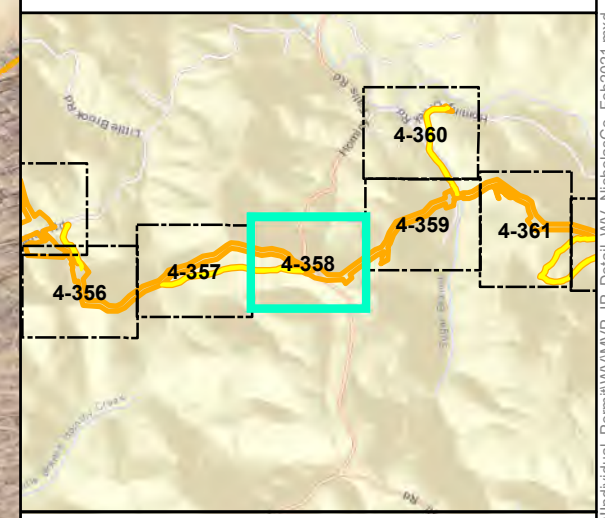
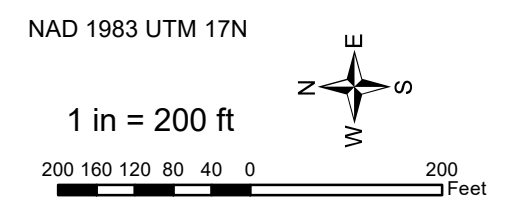
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
    - Intermittent
    - Perennial
    - Ephemeral
  - Pond
  - Wetland
    - Palustrine Forested
    - Palustrine Emergent
    - Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-358  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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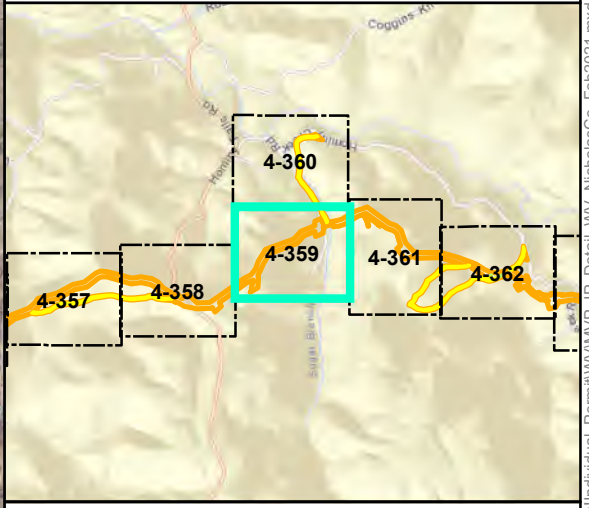
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

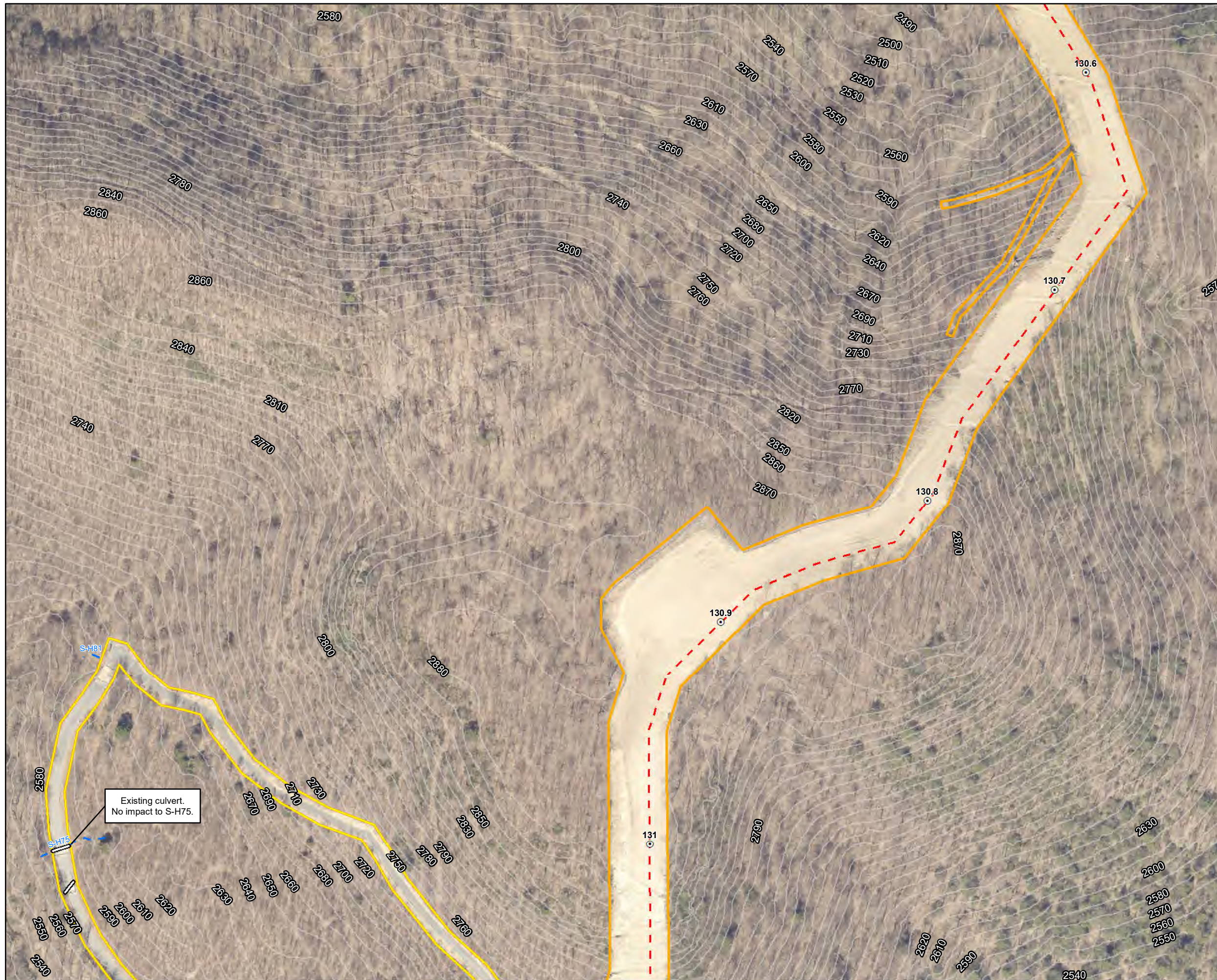
Figure 4-359  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

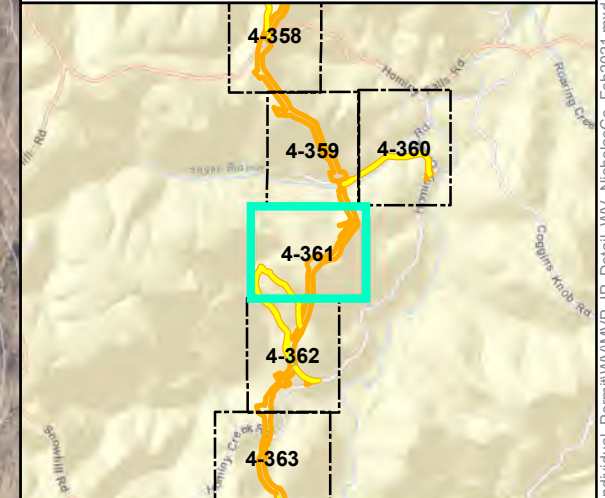
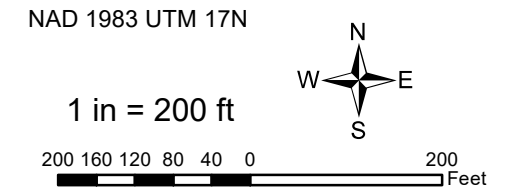
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- Legend**
- Milepost
  - - - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



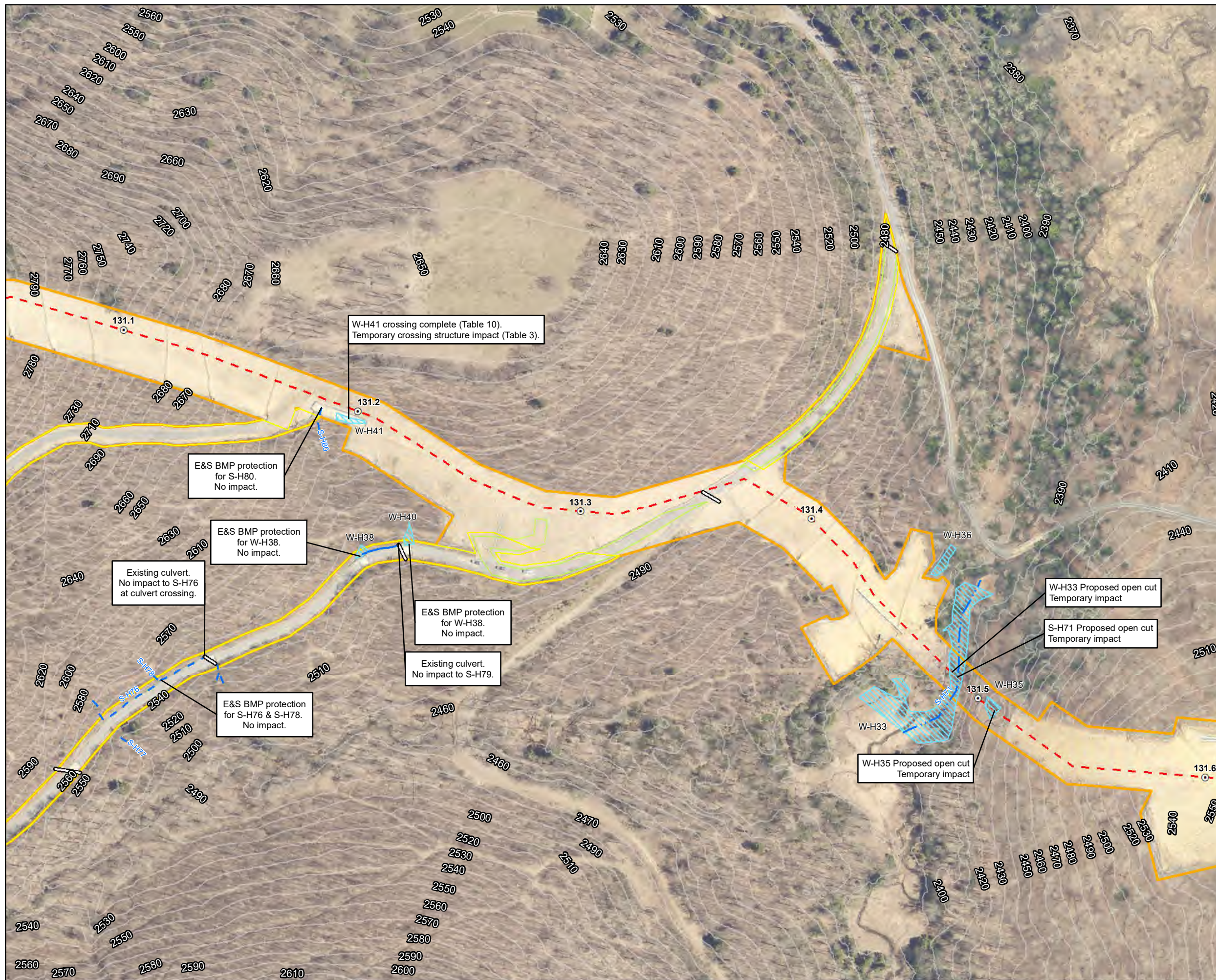
**Detail Map  
Individual Permit Application**

Figure 4-361  
Nicholas County, West Virginia

February 2021

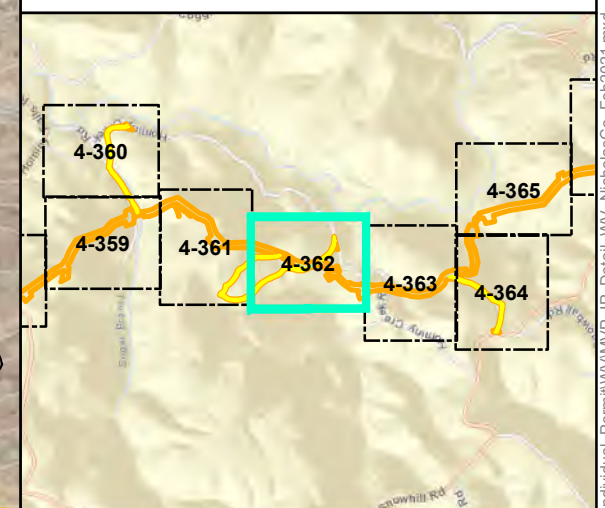
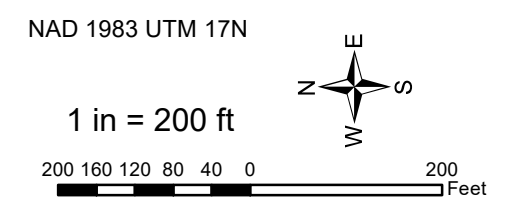
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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- ### Legend
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
  - ▨ Palustrine Forested
  - ▨ Palustrine Emergent
  - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



## Mountain Valley Pipeline Project



### Detail Map Individual Permit Application

Figure 4-362  
Nicholas County, West Virginia  
February 2021

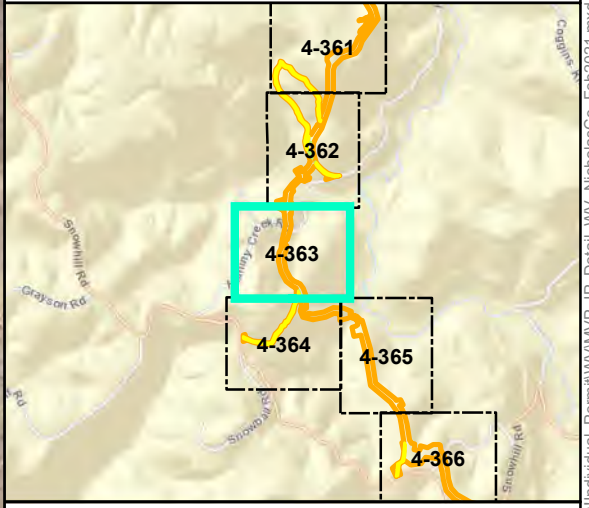
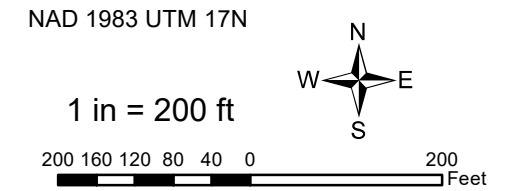
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd



- Legend**
- Milepost
  - Alignment Centerline
  - Access Road Temporary LOD
  - Access Road Permanent LOD
  - Permanent Facility
  - Limit of Disturbance
  - Bore Pit
  - Culvert
  - Stream
  - Intermittent
  - Perennial
  - Ephemeral
  - ▨ Pond
  - Wetland
    - ▨ Palustrine Forested
    - ▨ Palustrine Emergent
    - ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



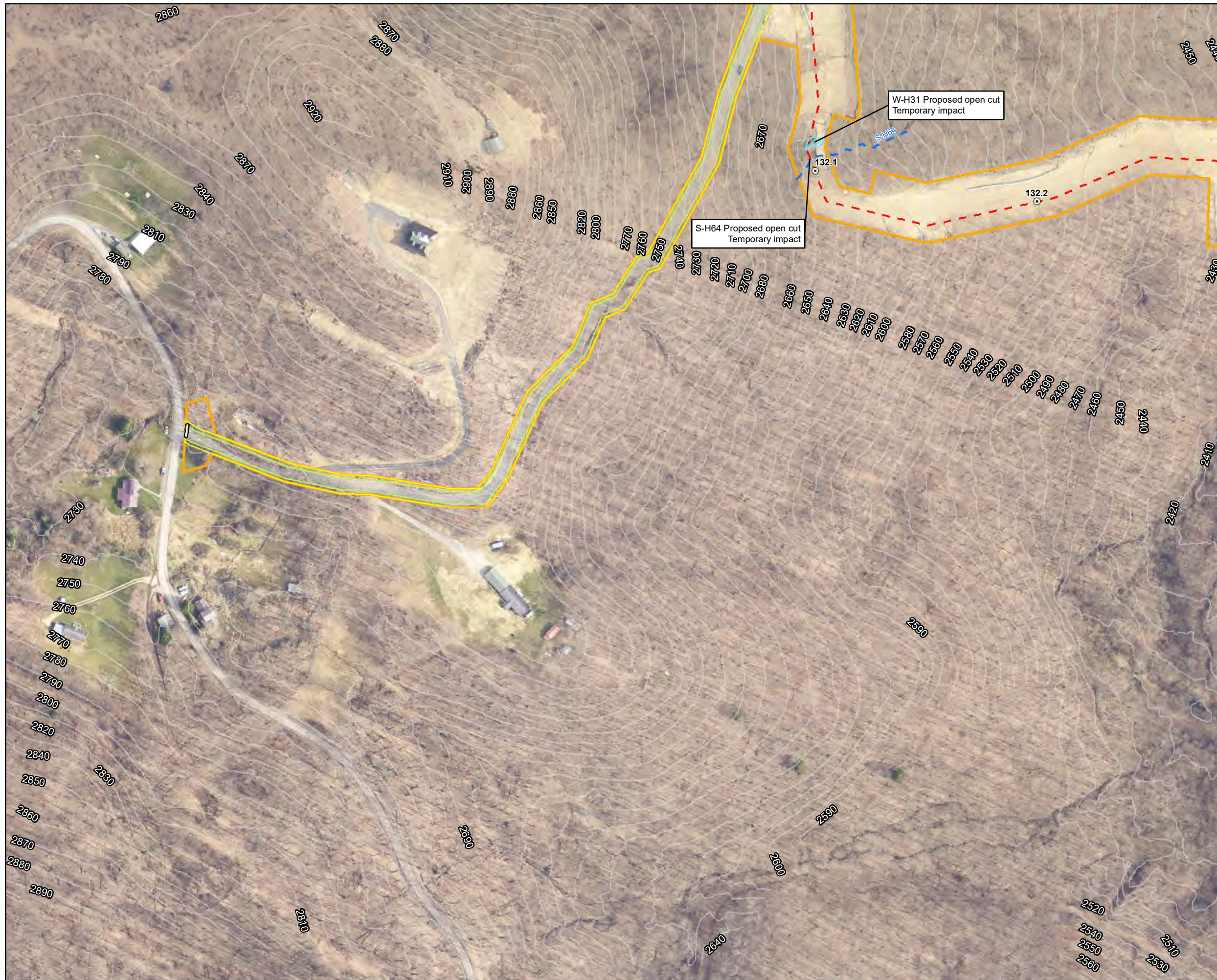
**Detail Map  
Individual Permit Application**

Figure 4-363  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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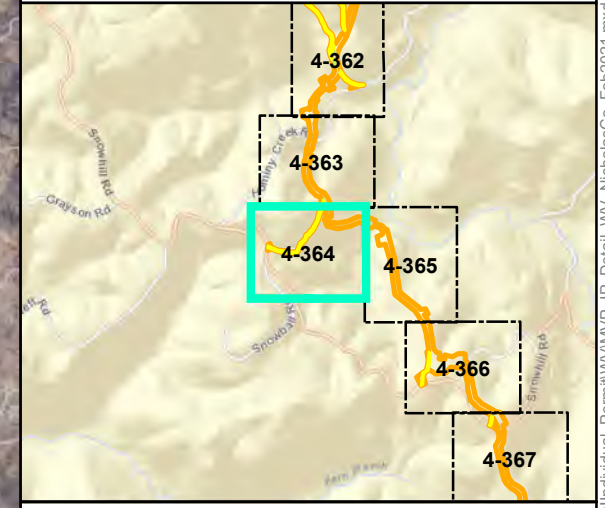
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-364  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

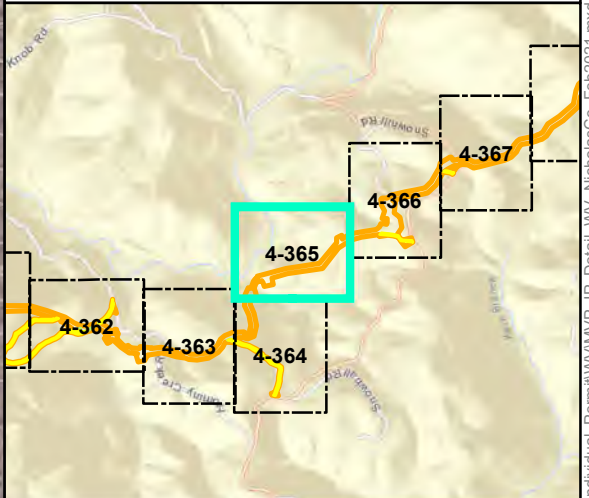
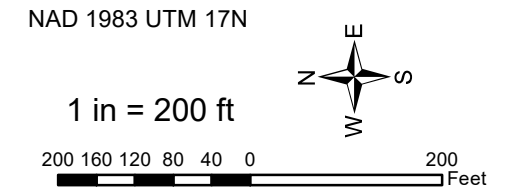
Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual\_Permit\WV\MVP\_IP\_Detail\WV\_NicholasCo\_Feb2021.mxd





- Legend**
- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · Perennial        |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

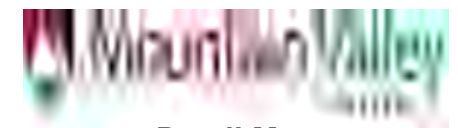
Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



S-V3 Proposed bore.  
Temporary crossing structure impact.

W-V4 E&S BMP protection no impact.

**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-365  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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Timber mat crossing in wetland in ATWS during construction. Temporary impact to W-EF31 ATWS. Impact remains in ROW.

W-EF31 Proposed open cut Temporary impact

S-EF41 Proposed open cut Temporary impact

E&S BMP protection for stream in ATWS. No impact to S-EF41 in ATWS. Impact remains in ROW.

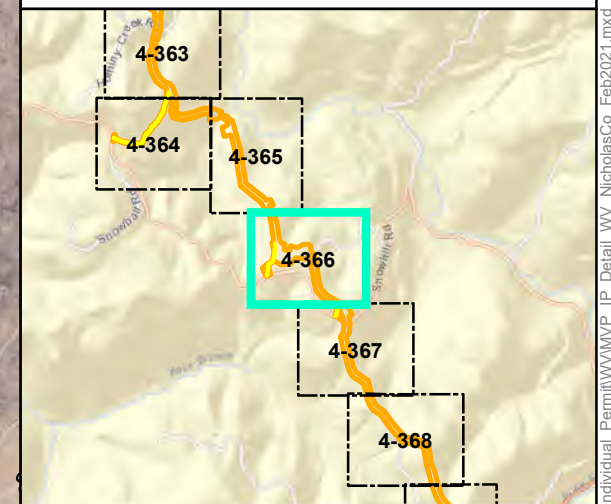
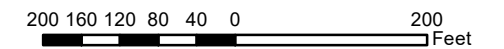
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| ▭ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-366  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

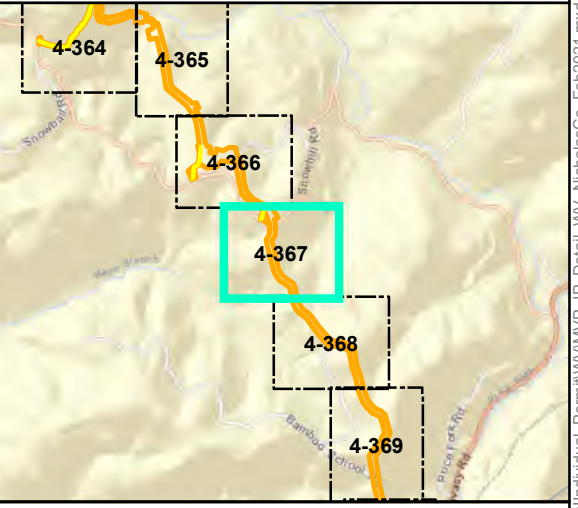
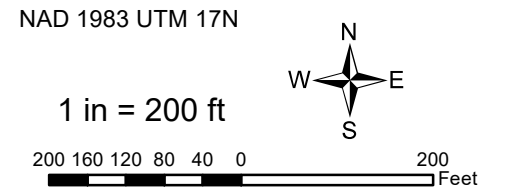
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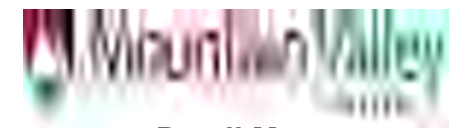
**Legend**

- Milepost
- - - Alignment Centerline
- Access Road Temporary LOD
- Access Road Permanent LOD
- Permanent Facility
- Limit of Disturbance
- Bore Pit
- ▭ Culvert
- Stream
- - - Intermittent
- ⋯ Perennial
- Ephemeral
- ▨ Pond
- Wetland
- ▨ Palustrine Forested
- ▨ Palustrine Emergent
- ▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-367  
Nicholas County, West Virginia

February 2021

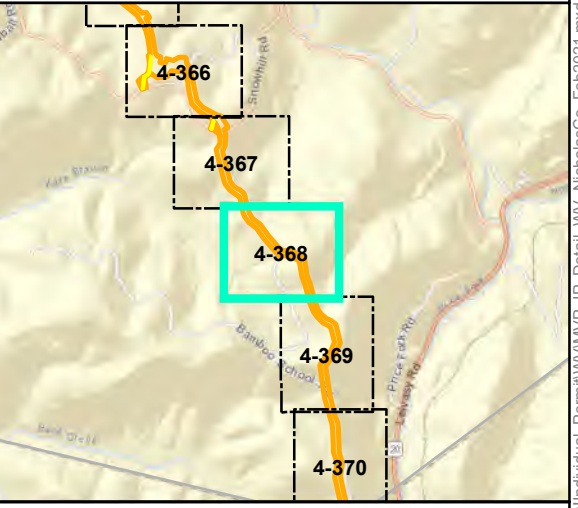
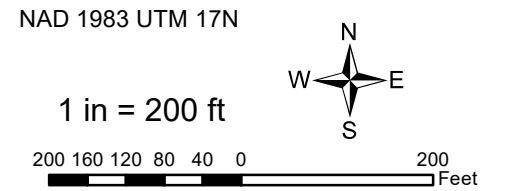
Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.



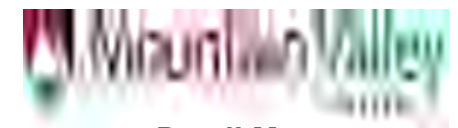
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| ▭ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| ▬ Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-368  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
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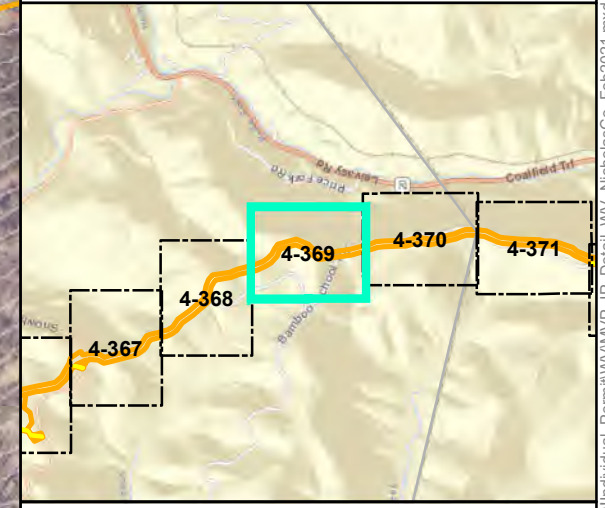
**Legend**

○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**

**Detail Map**  
**Individual Permit Application**

Figure 4-369  
*Nicholas County, West Virginia*

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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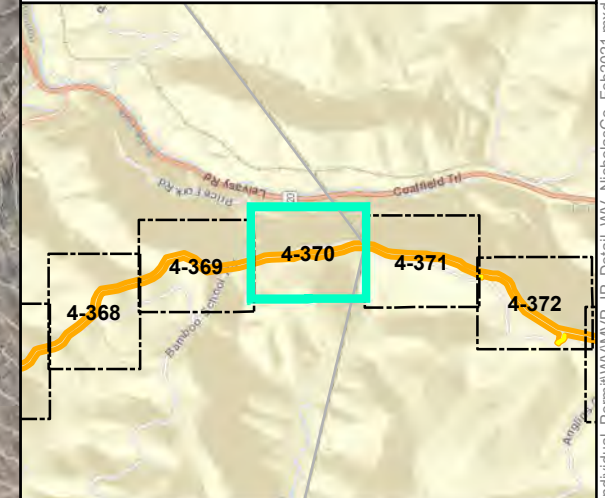
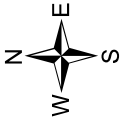
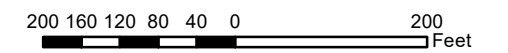
**Legend**

- |                             |                          |
|-----------------------------|--------------------------|
| ○ Milepost                  | Stream                   |
| - - - Alignment Centerline  | - - - Intermittent       |
| □ Access Road Temporary LOD | - · - · - Perennial      |
| □ Access Road Permanent LOD | — Ephemeral              |
| □ Permanent Facility        | ▨ Pond                   |
| □ Limit of Disturbance      | Wetland                  |
| ■ Bore Pit                  | ▨ Palustrine Forested    |
| — Culvert                   | ▨ Palustrine Emergent    |
|                             | ▨ Palustrine Scrub-Shrub |

Note:  
Refer to Table 2 (Streams) and Table 3 (Wetlands) in the Individual Permit Application for information on resource impacts.

NAD 1983 UTM 17N

1 in = 200 ft



**Mountain Valley Pipeline Project**



**Detail Map  
Individual Permit Application**

Figure 4-370  
Nicholas County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2018  
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