



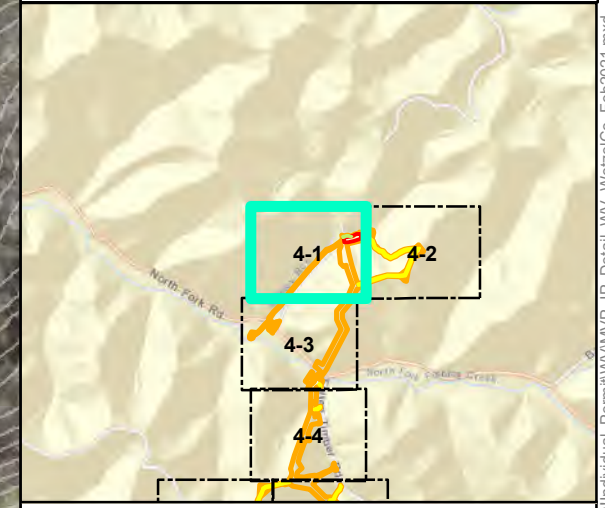
Legend

○ 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 4-1
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
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_WetzelCo_Feb2021.mxd



Temporary stream crossing during construction; no permanent fill placement. Temporary impact to S-ST18.

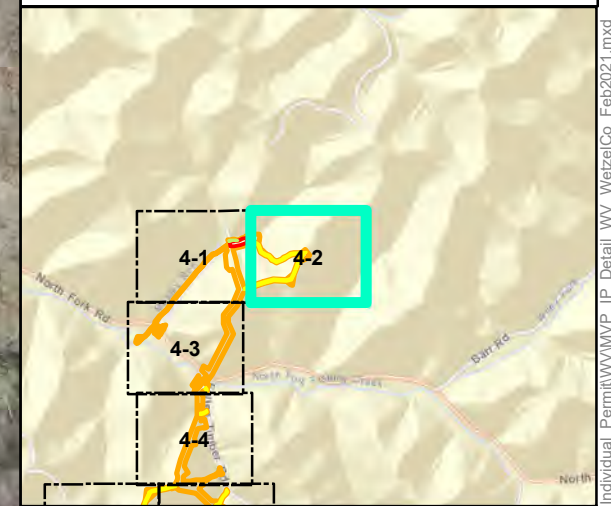
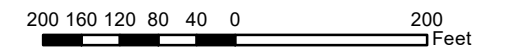
Legend

- | | |
|-----------------------------|--------------------------|
| ○ 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 4-2
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.



W-DH06 entirely spanned by temporary crossing structure. No impact.

E&S BMP protection for S-WX2. No impact.

E&S BMP protection for S-DH14. No impact.

W-A2a
Temporary crossing structure impact.

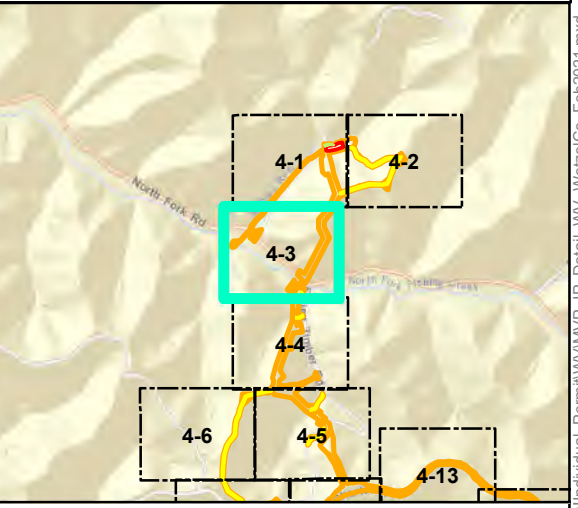
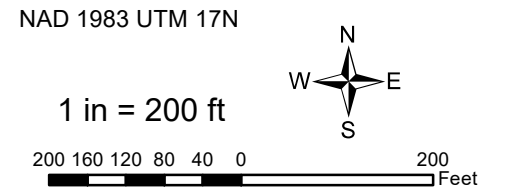
S-A1a Proposed open cut
Temporary impact

W-A1a 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 4-3
Wetzel County, West Virginia
February 2021

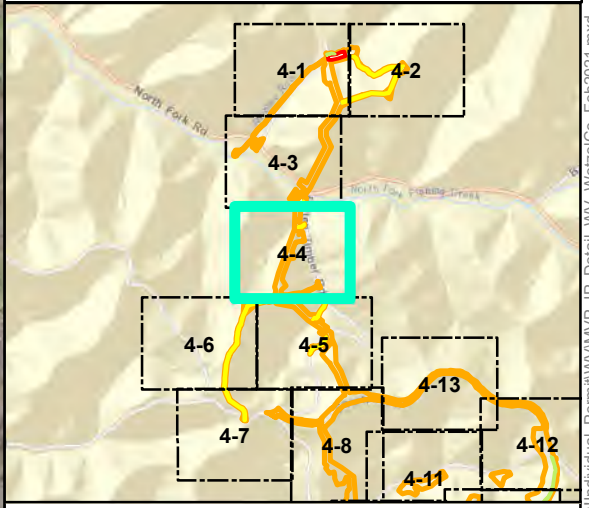
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_L_Permit\WV\MVP_IP_Detail\WV_WetzelCo_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 4-4
Wetzel County, West Virginia
February 2021

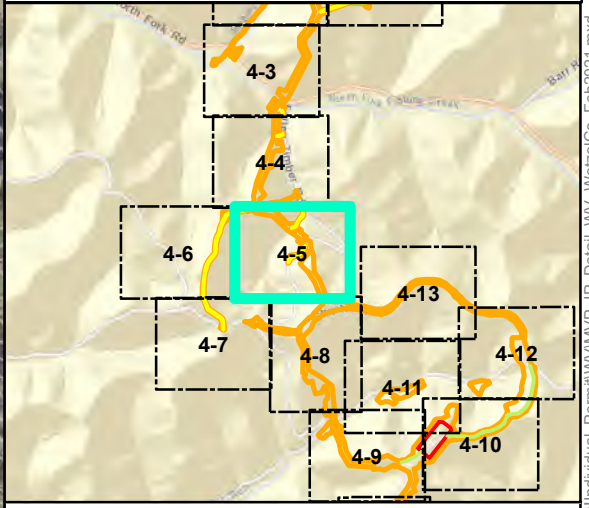
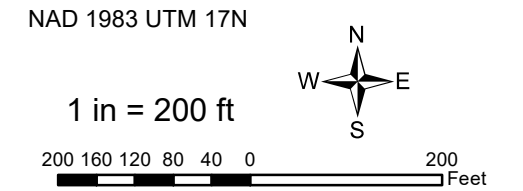
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail\WV_WetzelCo_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 4-5
Wetzel County, West Virginia
February 2021

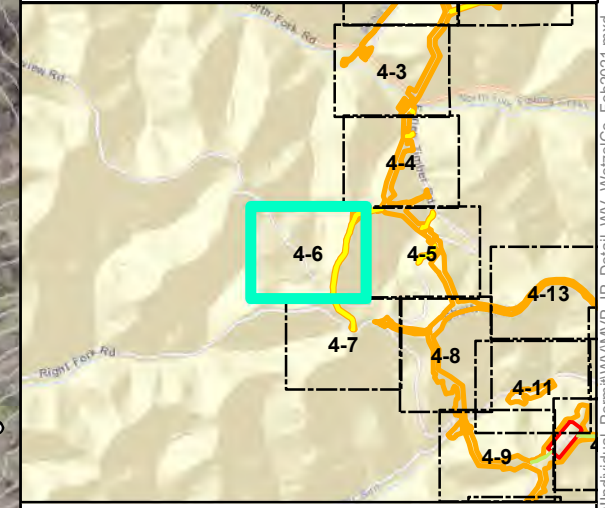
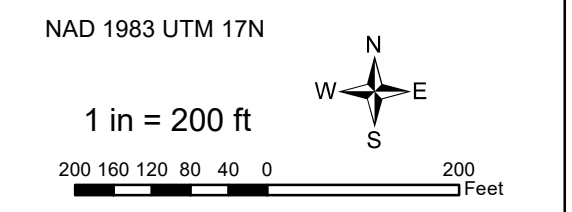
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\WV_IP_Detail\WV_WetzelCo_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 4-6
Wetzel County, West Virginia

February 2021

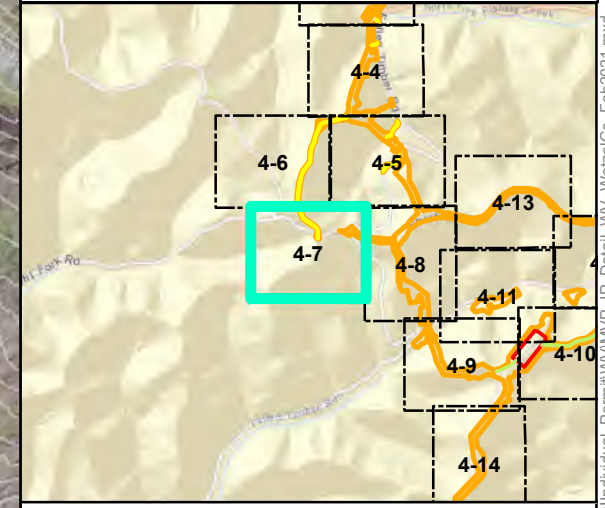
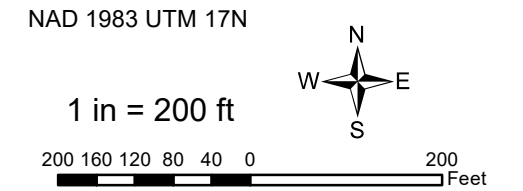
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\WetzelCo_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 4-7
Wetzel County, West Virginia

February 2021

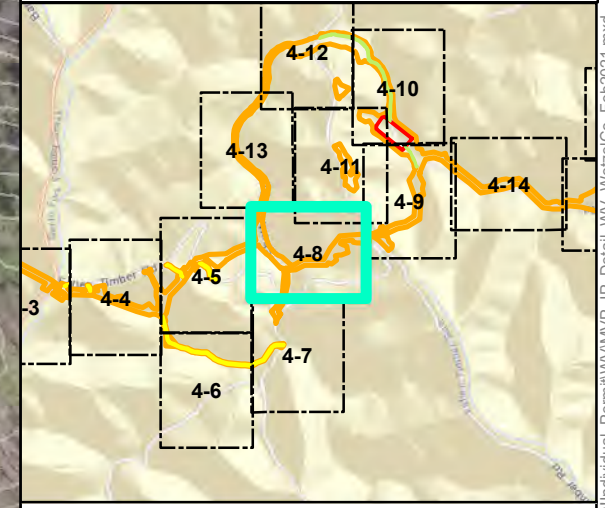
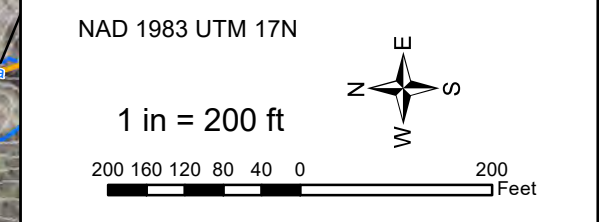
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail\WV_WetzelCo_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 4-8
Wetzel County, West Virginia
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
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_WetzelCo_Feb2021.mxd



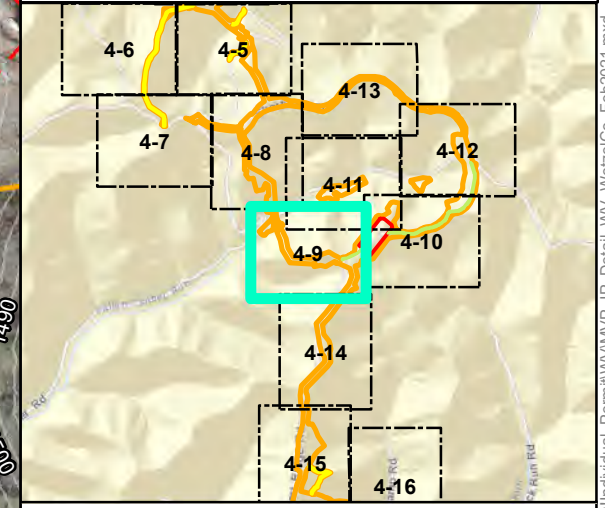
Legend

○ 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 4-9
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
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\WetzelCo_Feb2021.mxd



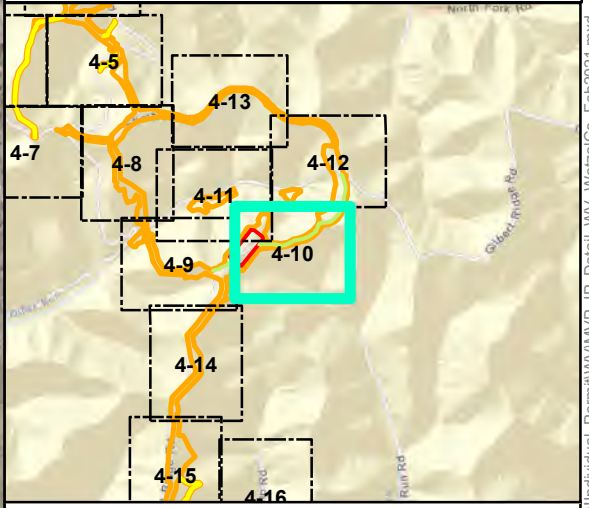
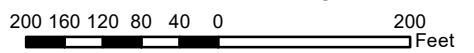
Legend

- | | |
|-----------------------------|--------------------------|
| ○ 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 4-10
Wetzel County, West Virginia

February 2021

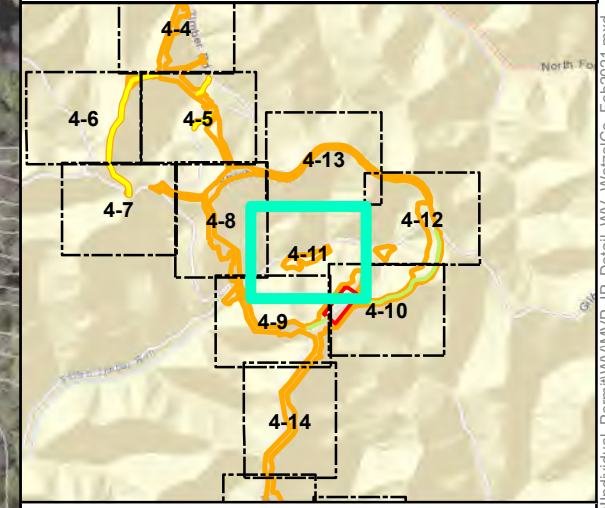
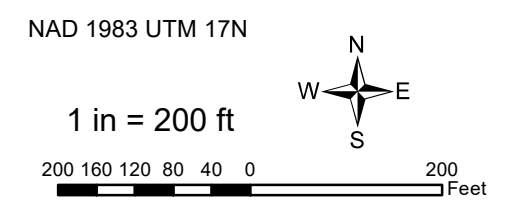
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\0101s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail\WV_WetzelCo_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 4-11
Wetzel County, West Virginia
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

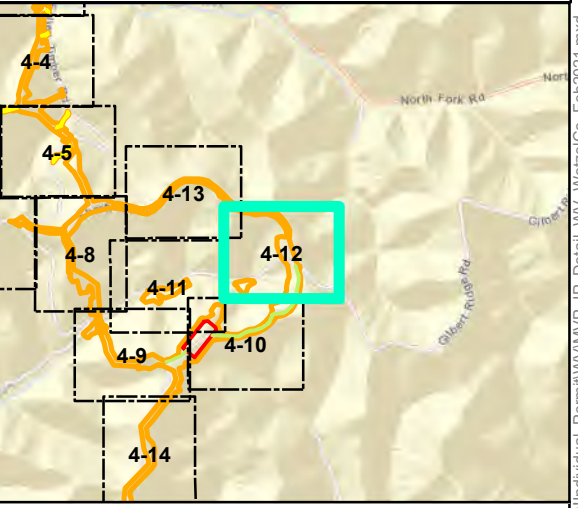
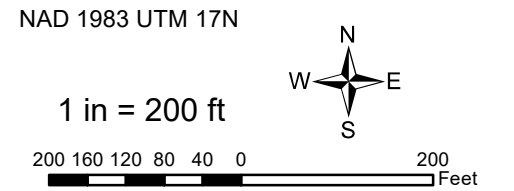
Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail\WV_WetzelCo_Feb2021.mxd



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 4-12
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

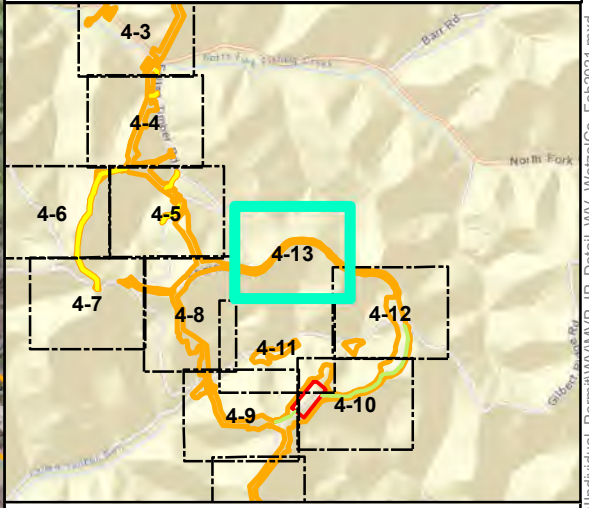
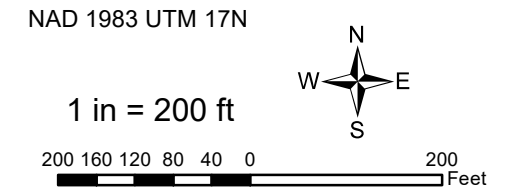
Document Path: P:\GIS\010152\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\WV_MVP_IP_Detail\WV_WetzelCo_Feb2021.mxd



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 4-13
Wetzel County, West Virginia

February 2021

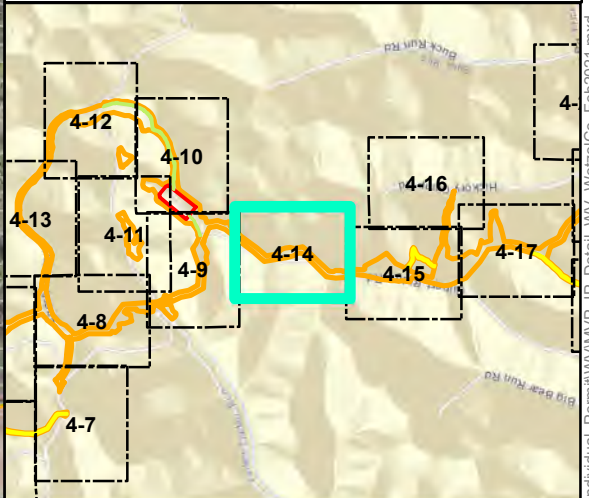
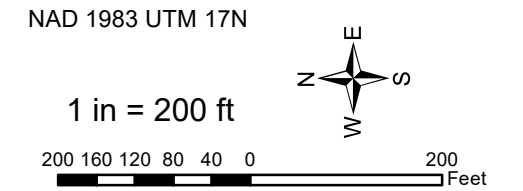
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010102\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail_WV_WetzelCo_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



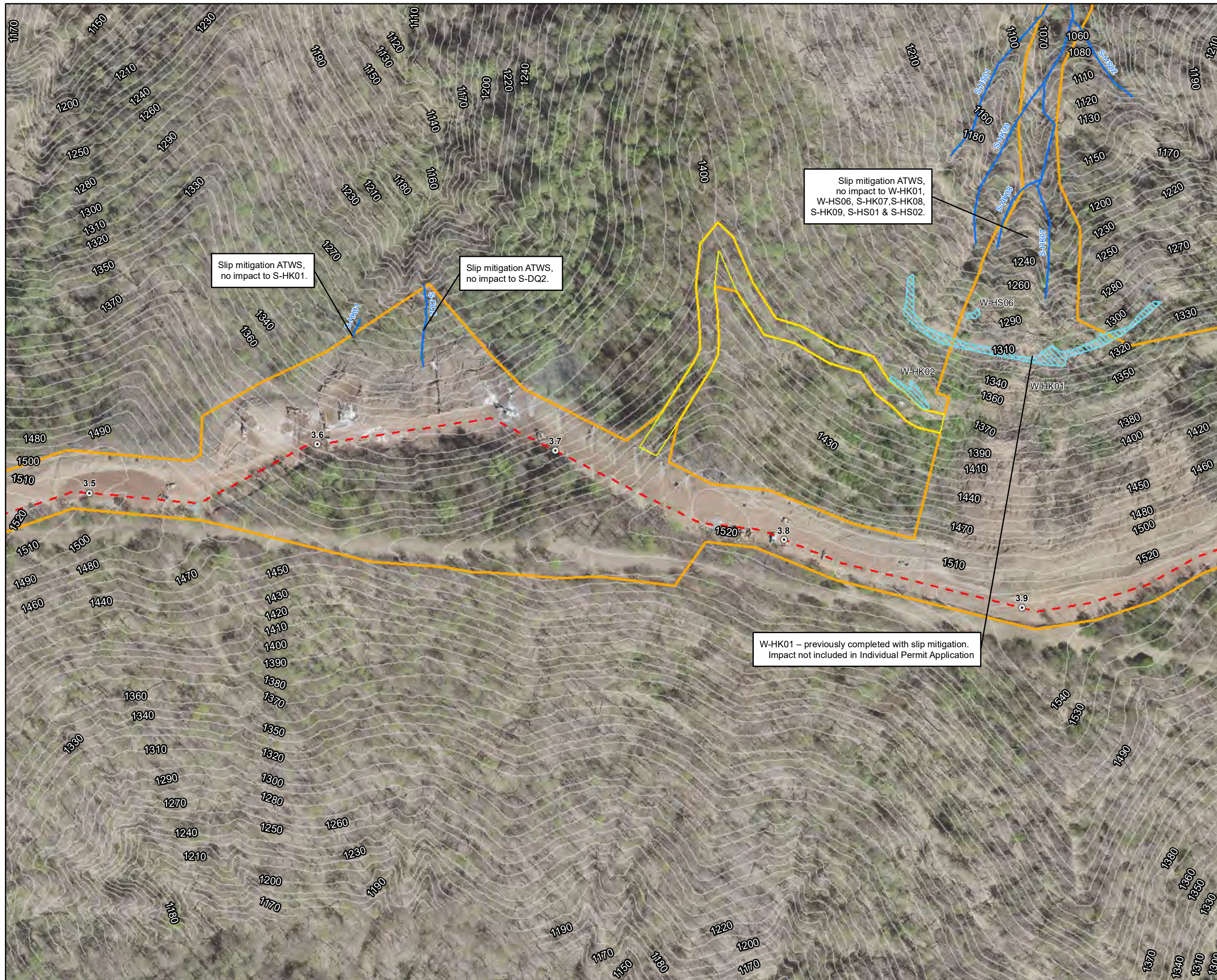
**Detail Map
Individual Permit Application**

Figure 4-14
Wetzel County, West Virginia

February 2021

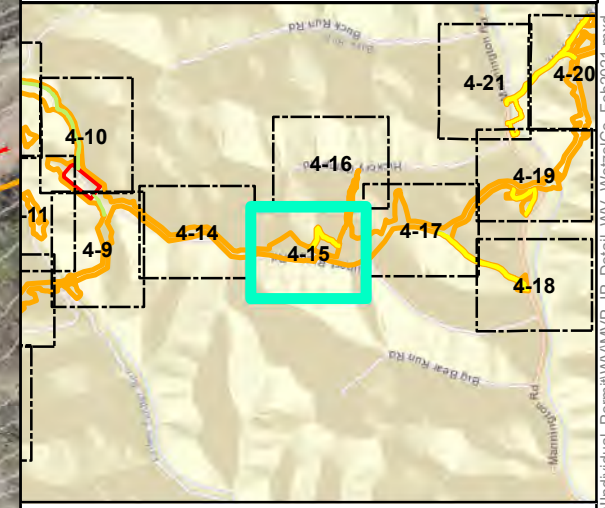
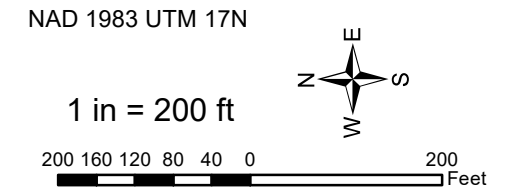
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\WV\WetzelCo_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

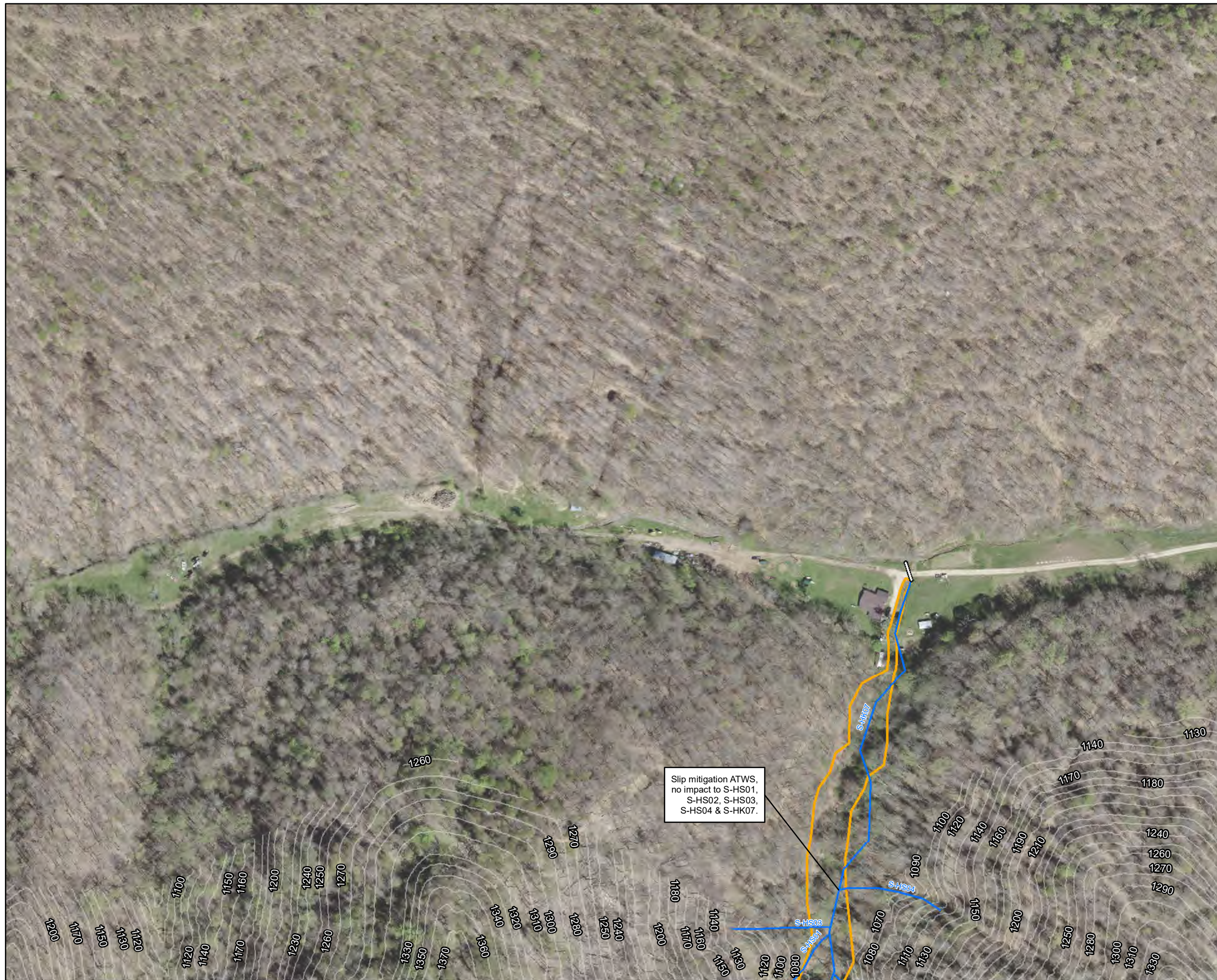
Detail Map
Individual Permit Application

Figure 4-15
Wetzel County, West Virginia

February 2021

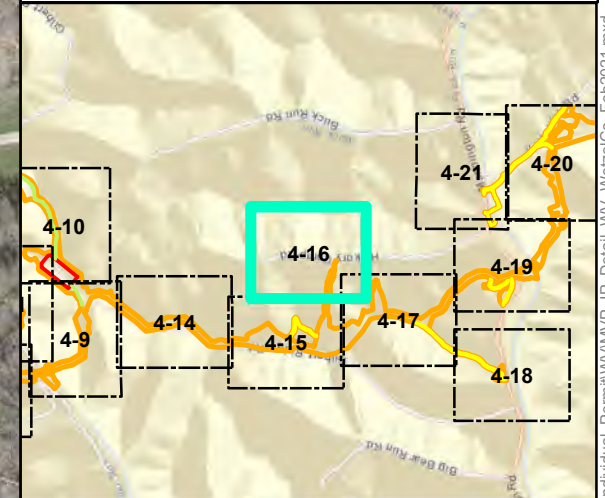
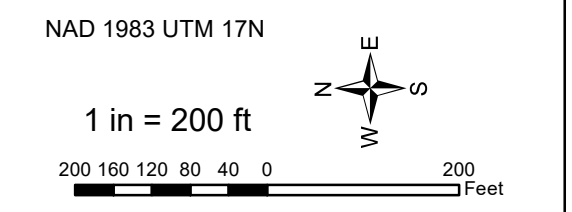
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\Wetzel\IP_Detail\WV_WetzelCo_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 4-16
Wetzel County, West Virginia
February 2021

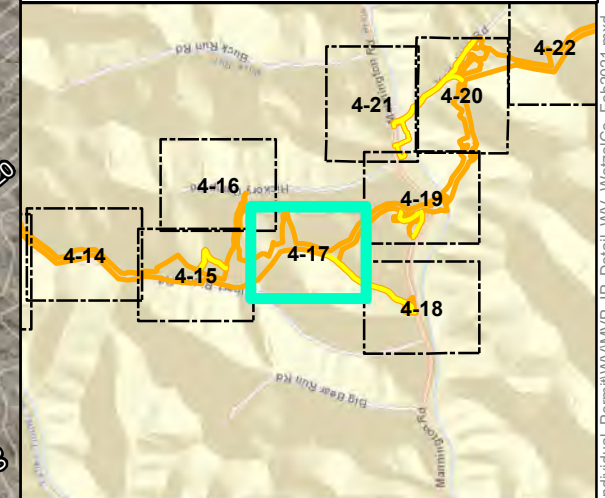
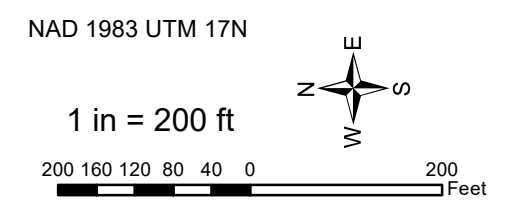
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail\WV_WetzelCo_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 4-17
Wetzel County, West Virginia
February 2021

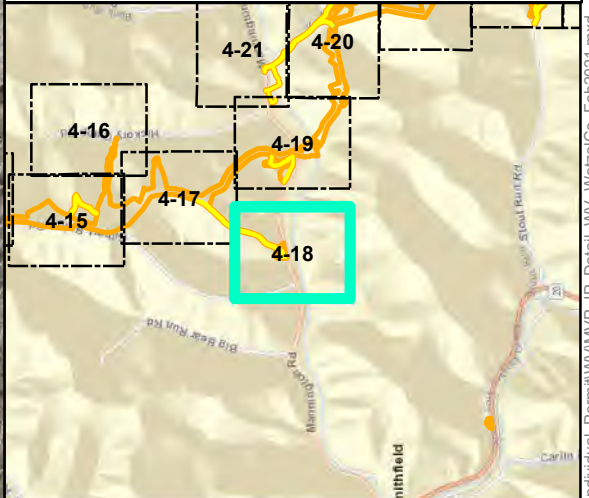
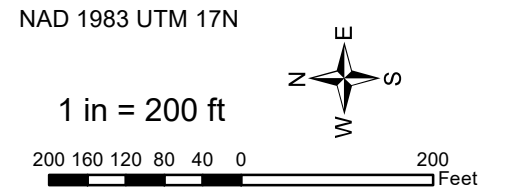
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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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 4-18
Wetzel County, West Virginia

February 2021

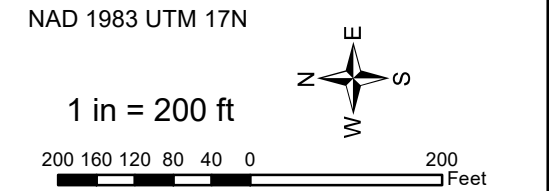
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

Document Path: P:\GIS\010152\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WV\MVP_IP_Detail\WV_WetzelCo_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.

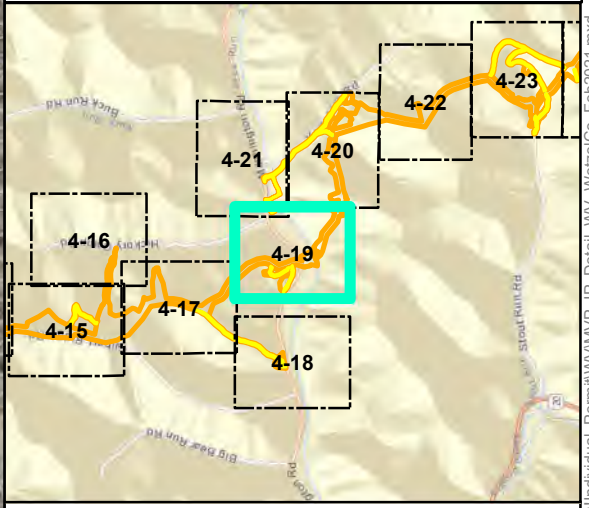


S-A126 entirely spanned by temp stream crossing structure during construction. No temp in-stream work. No impact

S-A124 Proposed open cut Temporary impact

S-A125 crossing complete (Table 10). Temporary crossing structure impact (Table 2).

E&S BMP protection for W-A36. No impact.



Mountain Valley Pipeline Project



**Detail Map
Individual Permit Application**

Figure 4-19
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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Legend

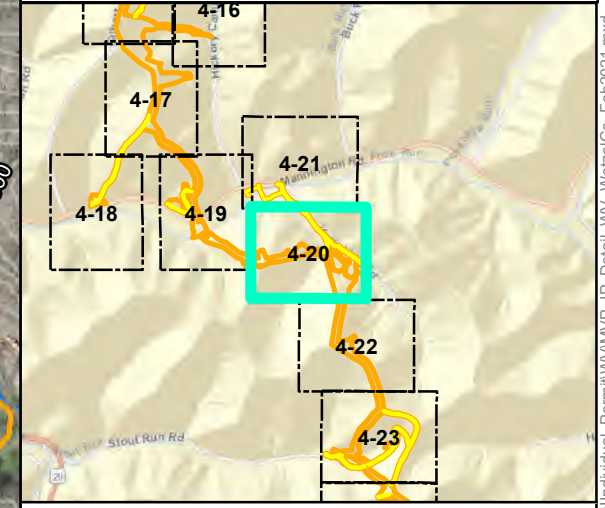
○ Milepost	Stream
- - - Alignment Centerline	- - - Intermittent
□ Access Road Temporary LOD	- · - · - Perennial
□ Access Road Permanent LOD	— Ephemeral
□ Permanent Facility	▨ Pond
□ Limit of Disturbance	Wetland
■ Bore Pit	▨ Palustrine Forested
— Culvert	▨ Palustrine Emergent
	▨ Palustrine Scrub-Shrub

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

200 160 120 80 40 0 200 Feet



Mountain Valley Pipeline Project

Mountain Valley
PIPELINE

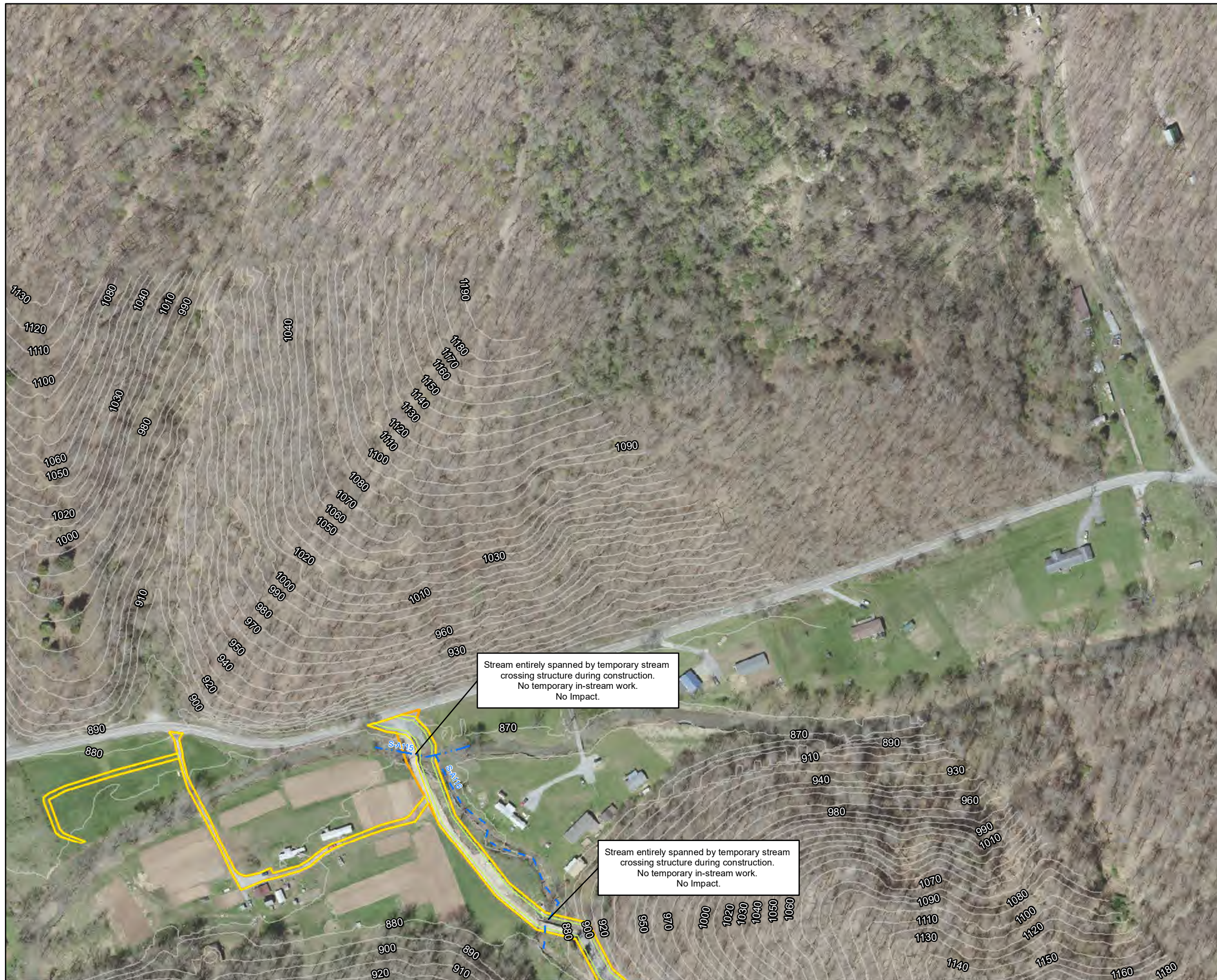
Detail Map
Individual Permit Application

Figure 4-20
Wetzel County, West Virginia

February 2021

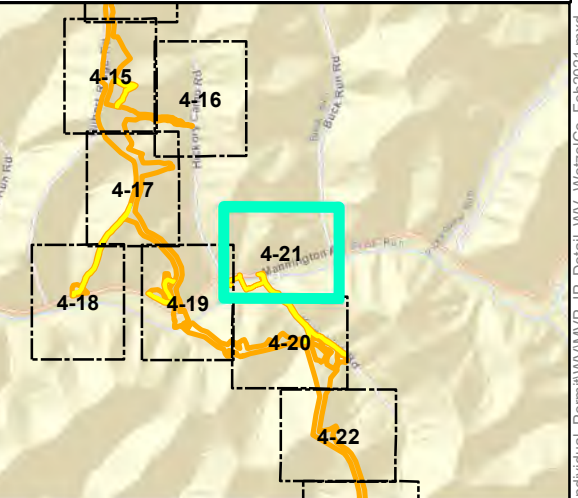
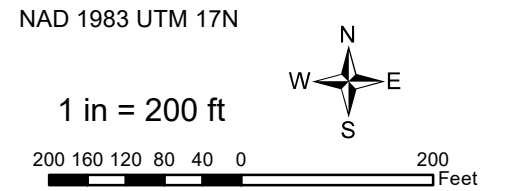
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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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



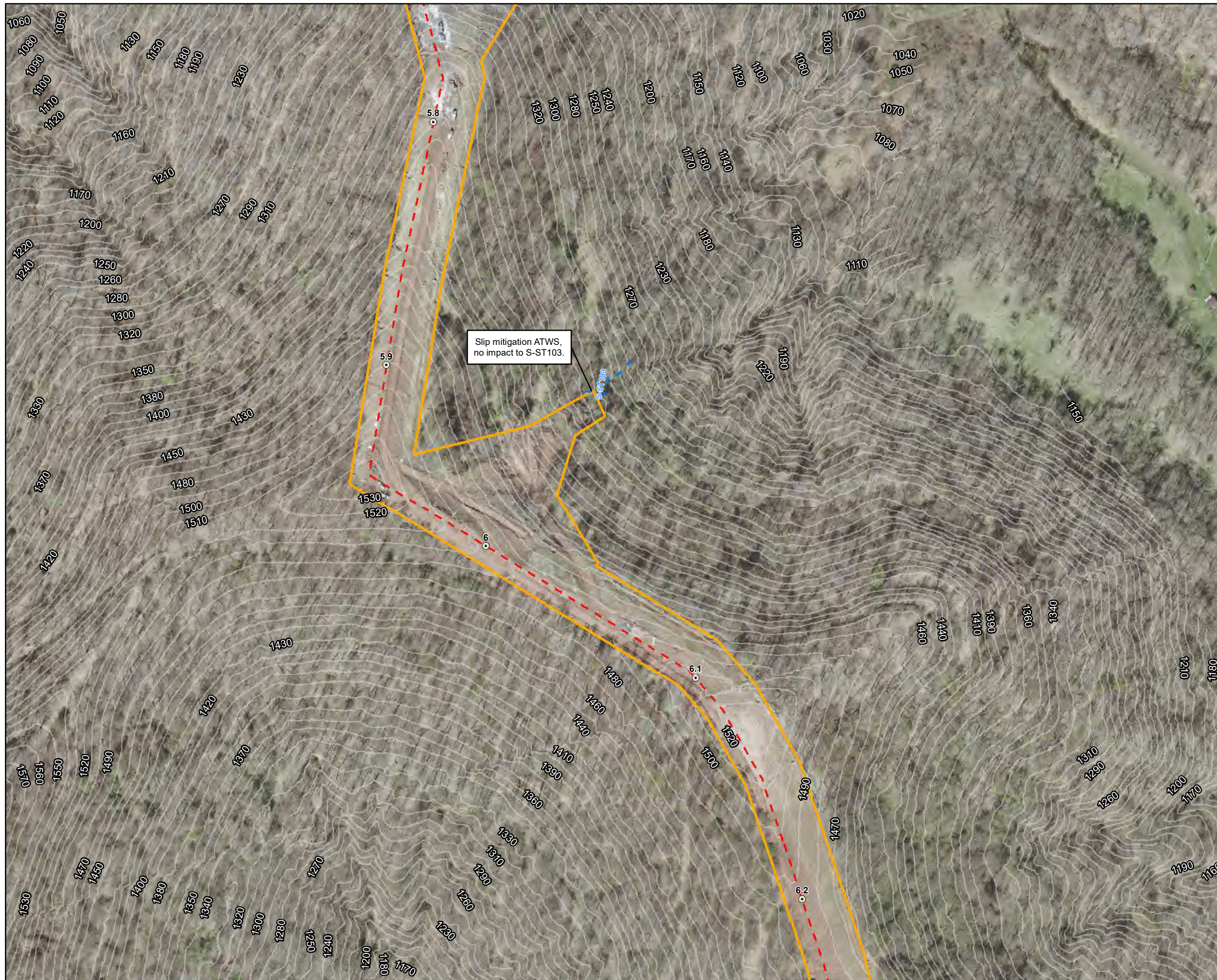
**Detail Map
Individual Permit Application**

Figure 4-21
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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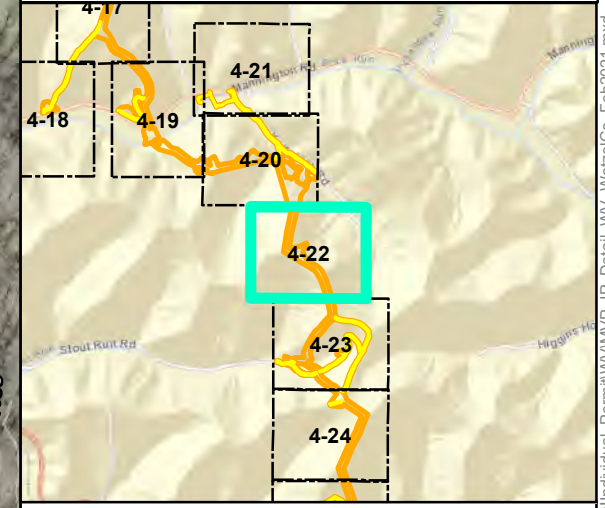
Legend

○ 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

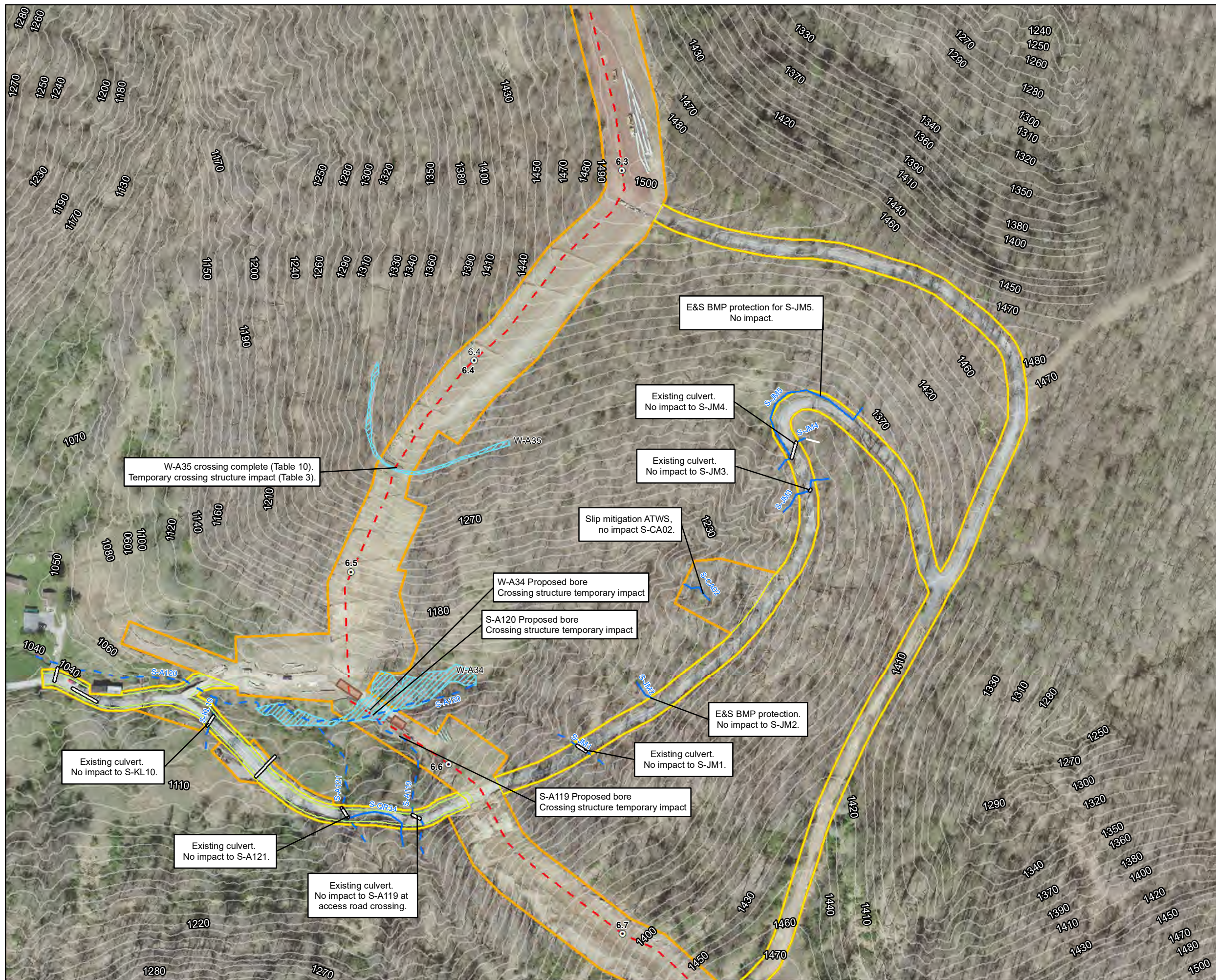
Detail Map
Individual Permit Application

Figure 4-22
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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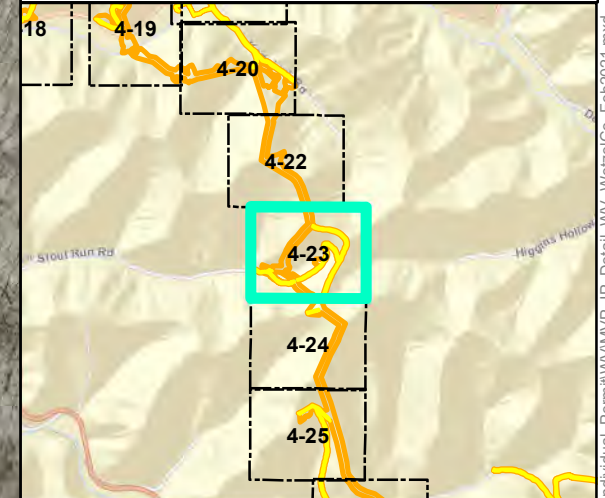
Legend

○ 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 4-23
Wetzel County, West Virginia
February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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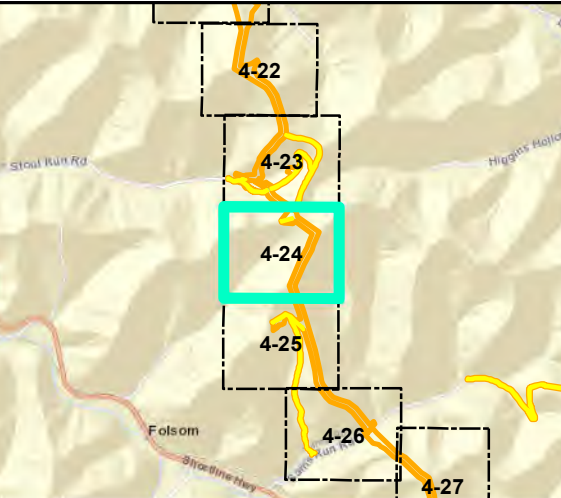
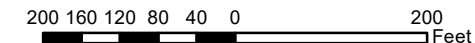
Legend

- | | |
|-----------------------------|--------------------------|
| ○ 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 4-24
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

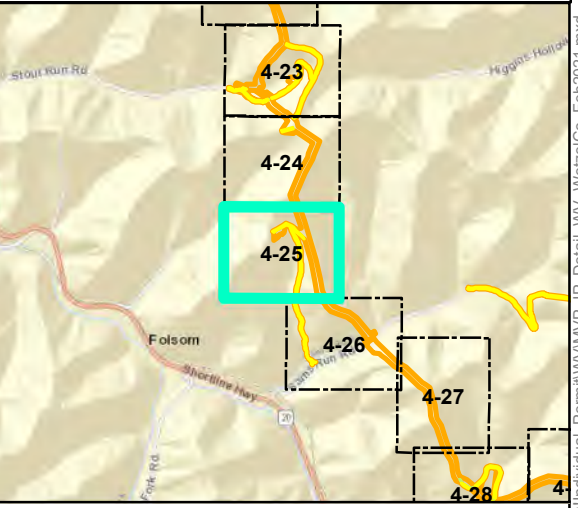
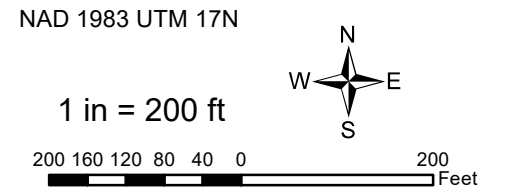
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Stream entirely spanned by temporary stream crossing structure during construction.
 No temporary in-stream work.
 No Impact.

- 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 4-25
 Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
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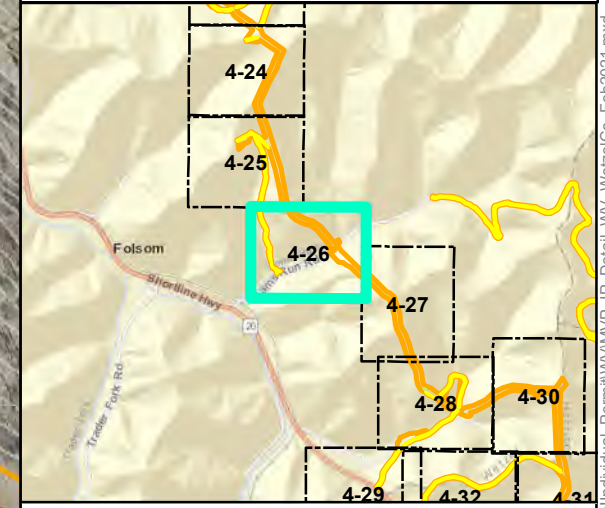
Legend

○ 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 4-26
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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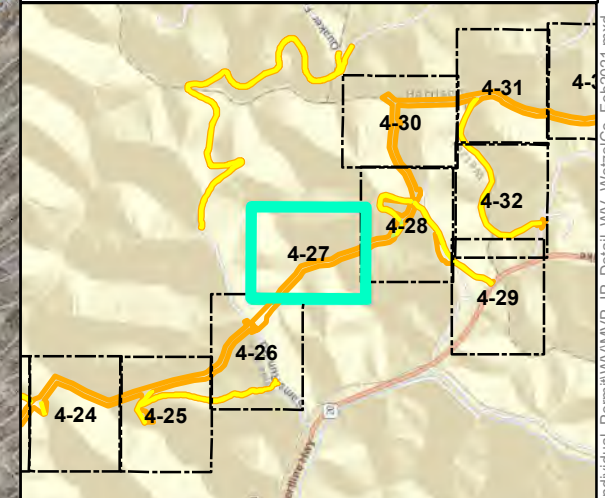
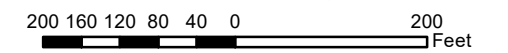
Legend

- | | |
|-----------------------------|--------------------------|
| ○ 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



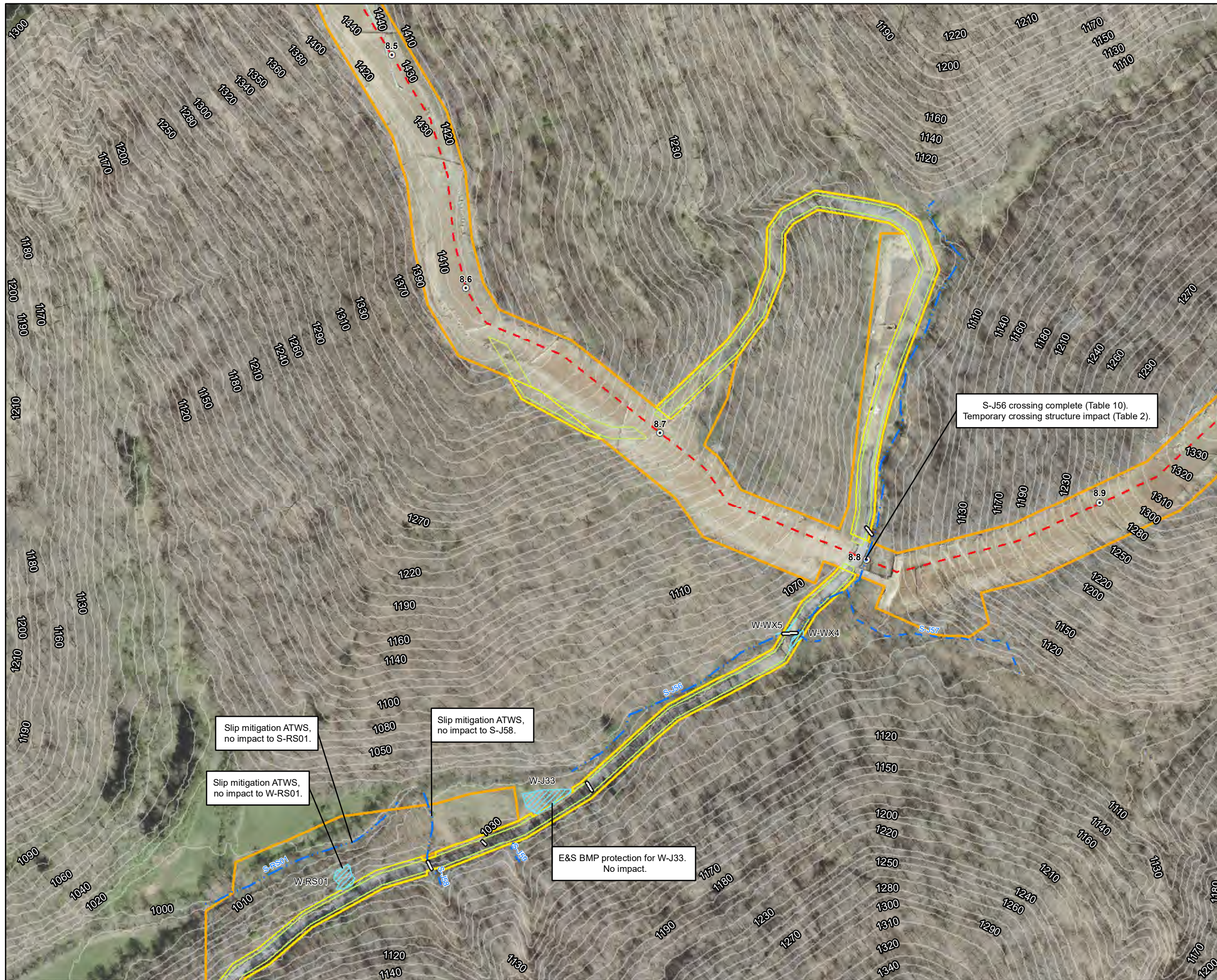
**Detail Map
Individual Permit Application**

Figure 4-27
Wetzel County, West Virginia

February 2021

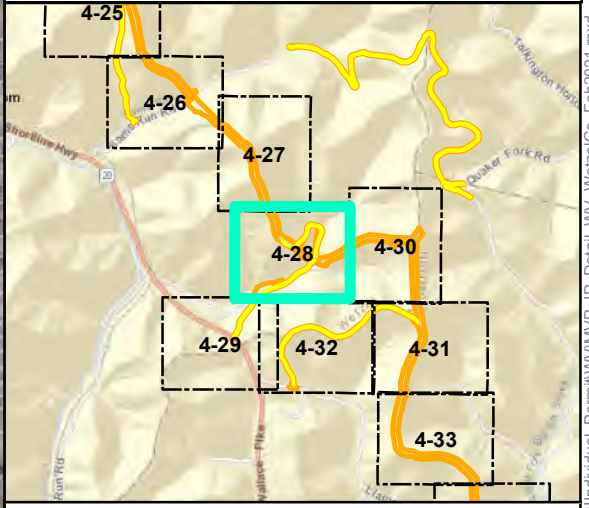
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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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.



Slip mitigation ATWS, no impact to S-RS01.

Slip mitigation ATWS, no impact to W-RS01.

Slip mitigation ATWS, no impact to S-J58.

E&S BMP protection for W-J33. No impact.

S-J56 crossing complete (Table 10).
Temporary crossing structure impact (Table 2).

Mountain Valley Pipeline Project



**Detail Map
Individual Permit Application**

Figure 4-28
Wetzel County, West Virginia
February 2021

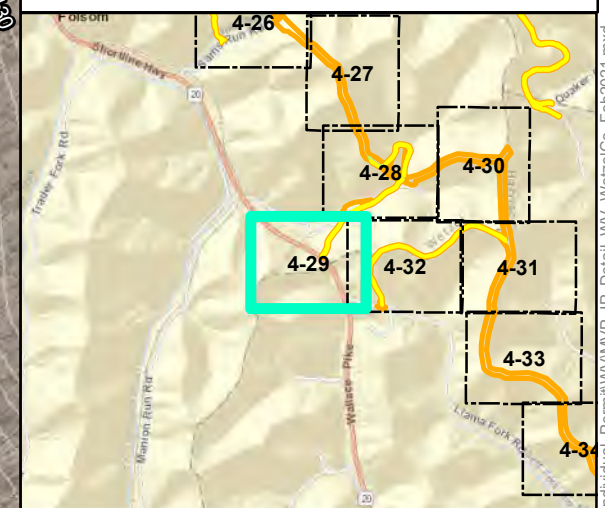
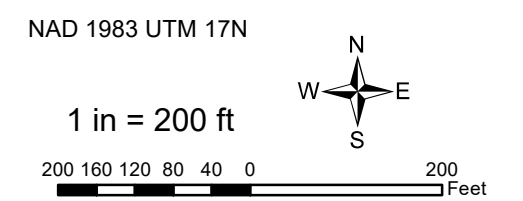
Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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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 4-29
Wetzel County, West Virginia

February 2021

Data Sources: WV GIS Technical Center Imagery Service 2019
Note: Map insets are at a scale of 1 inch = 50 feet unless otherwise noted.

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