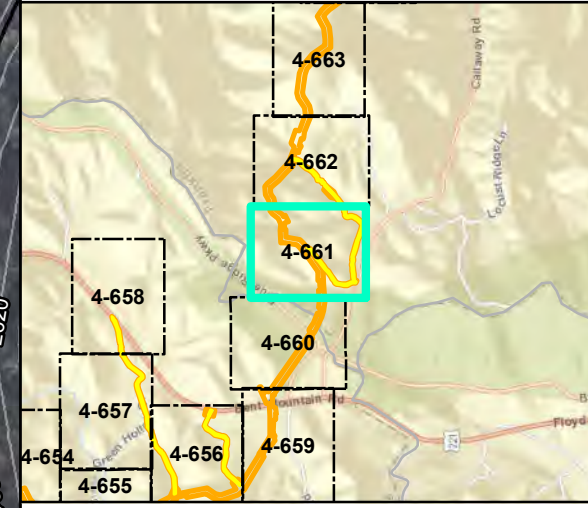


Legend

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

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 4-661
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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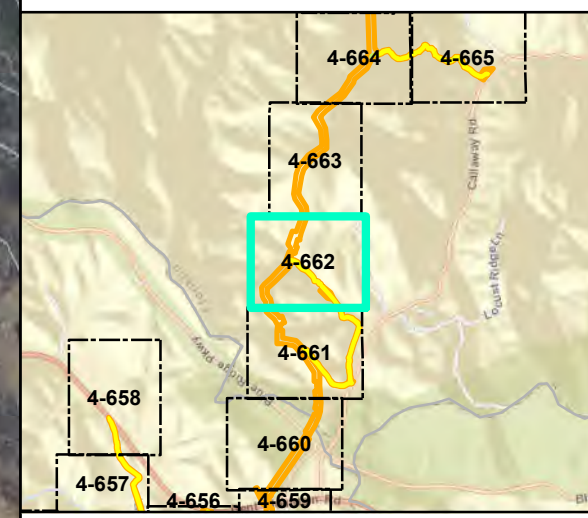


Legend

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

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 4-662
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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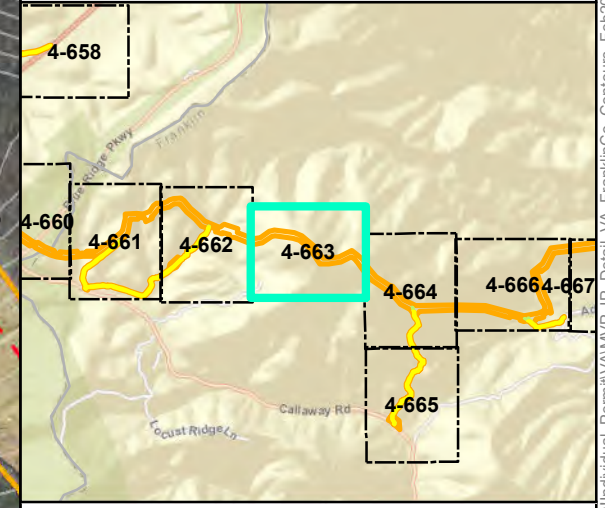


Legend

○ Milepost	▨ Pond
- - - Alignment Centerline	Wetland
▭ Access Road Temporary LOD	▨ Palustrine Forested
▭ Access Road Permanent LOD	▨ Palustrine Emergent
▭ Permanent Facility	▨ Palustrine Scrub-Shrub
▭ Limit of Disturbance	Stream Impact
▭ Bore Pit	— Temporary
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▭ Stream	▨ Wetland Impact
— Intermittent	▨ Temporary
— Ephemeral	▨ Conversion
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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 4-663
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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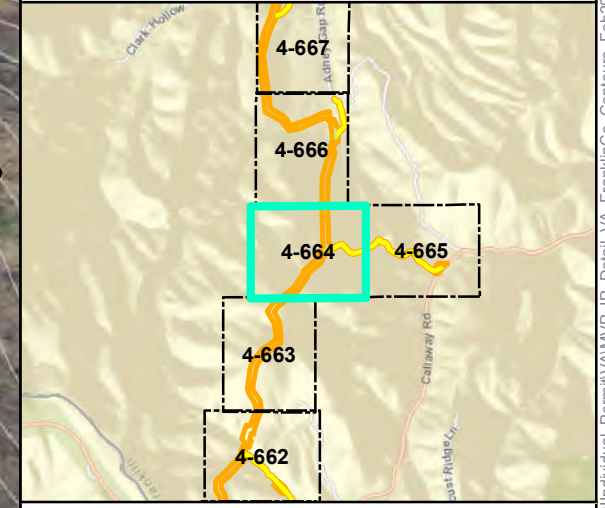
Legend

○ Milepost	▨ Pond
- - - Alignment Centerline	Wetland
▭ Access Road Temporary LOD	▨ Palustrine Forested
▭ Access Road Permanent LOD	▨ Palustrine Emergent
▭ Permanent Facility	▨ Palustrine Scrub-Shrub
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▭ Bore Pit	— Temporary
▭ Culvert	— Permanent
Stream	Wetland Impact
— Intermittent	▨ Temporary
— Ephemeral	▨ Conversion
— Perennial	▨ Permanent Fill

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 4-664
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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W-EF3
Timber mat crossing during construction.
Temporary impact.

S-EF17
Existing culvert.
No impact.

S-EF18
E&S BMP protection
No impact

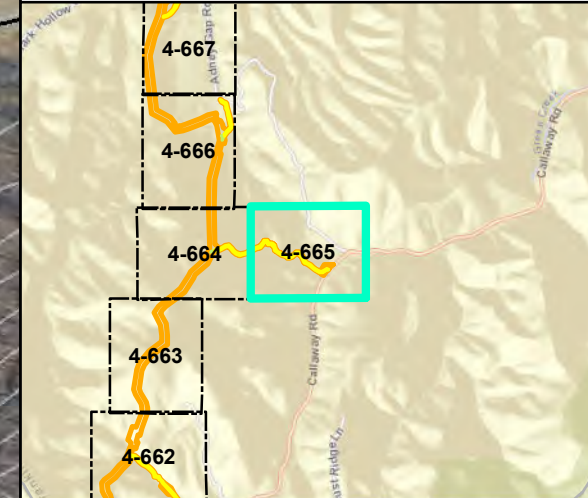
Legend

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

Note:
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NAD 1983 UTM 17N
1 in = 200 ft

200 160 120 80 40 0 200 Feet



Mountain Valley Pipeline Project

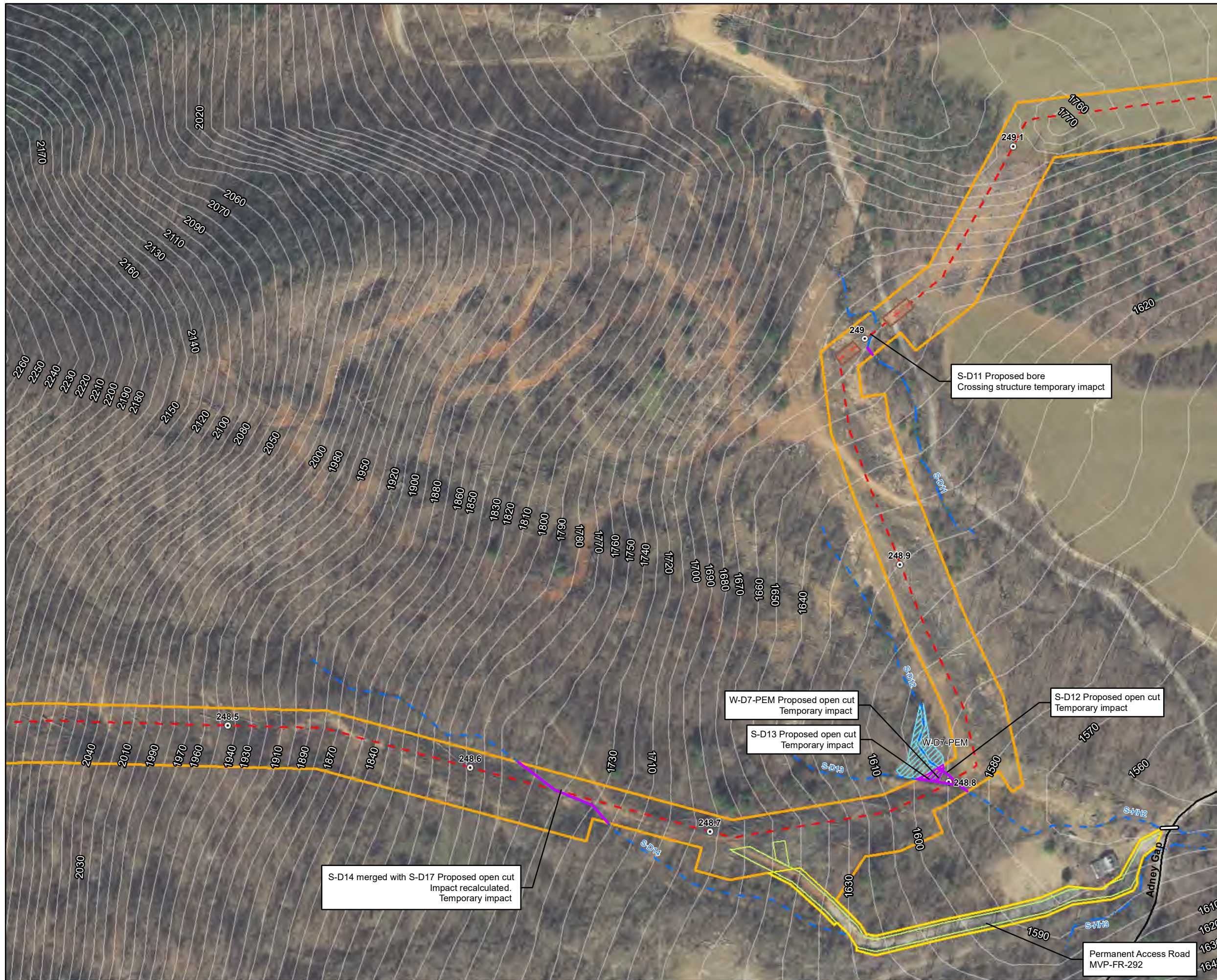
Detail Map
Individual Permit Application

Figure 4-665
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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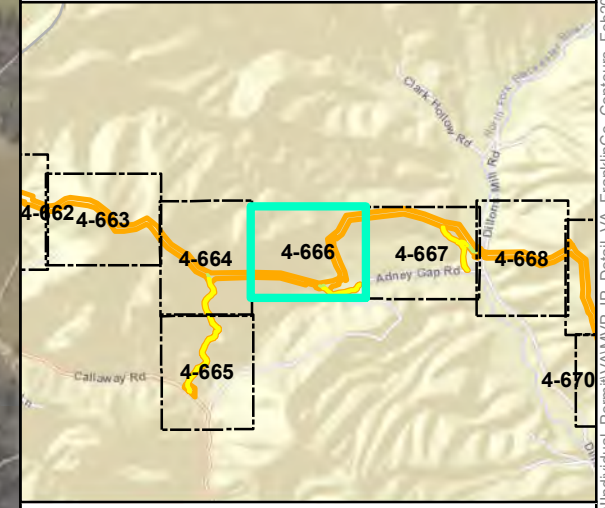
Legend

○ Milepost	▨ Pond
- - - Alignment Centerline	Wetland
▭ Access Road Temporary LOD	▨ Palustrine Forested
▭ Access Road Permanent LOD	▨ Palustrine Emergent
▭ Permanent Facility	▨ Palustrine Scrub-Shrub
▭ Limit of Disturbance	Stream Impact
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— Culvert	— Permanent
Stream	Wetland Impact
— Intermittent	▨ Temporary
— Ephemeral	▨ Conversion
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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 4-666
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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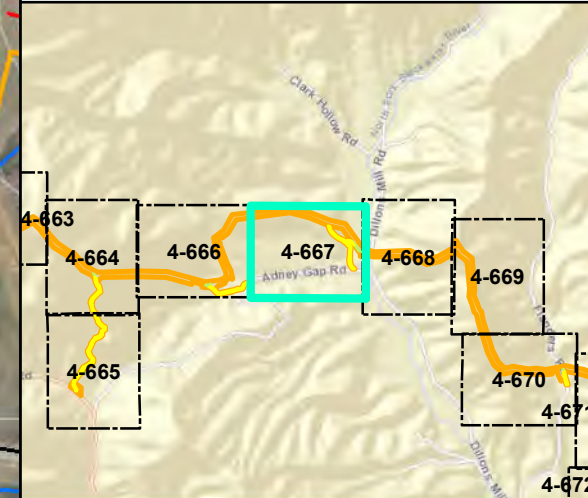


Legend

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

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 4-667
Franklin County, Virginia
February 2021

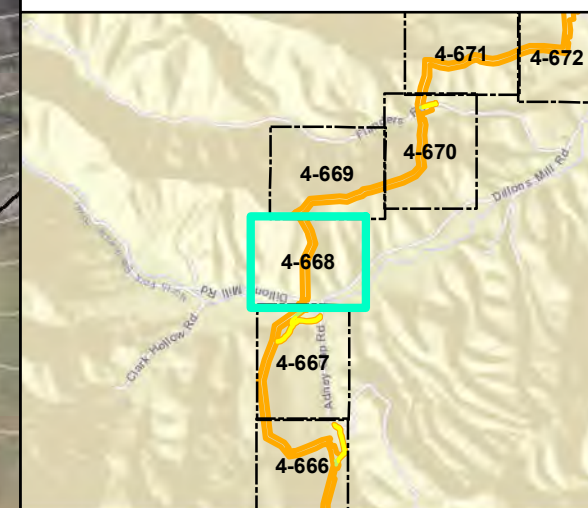
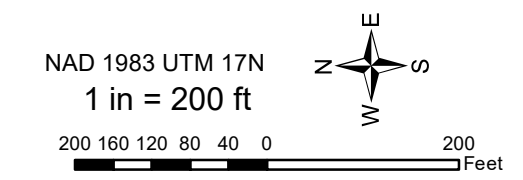
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Map Projection: NAD 1983 UTM 17N

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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
 - ▬ Ephemeral
 - ⋯ Perennial
 - ▨ Pond
 - Wetland
 - ▨ Palustrine Forested
 - ▨ Palustrine Emergent
 - ▨ Palustrine Scrub-Shrub
 - Stream Impact
 - ▬ Temporary
 - ▬ Permanent
 - Wetland Impact
 - ▨ Temporary
 - ▨ Conversion
 - ▨ Permanent Fill

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 4-668
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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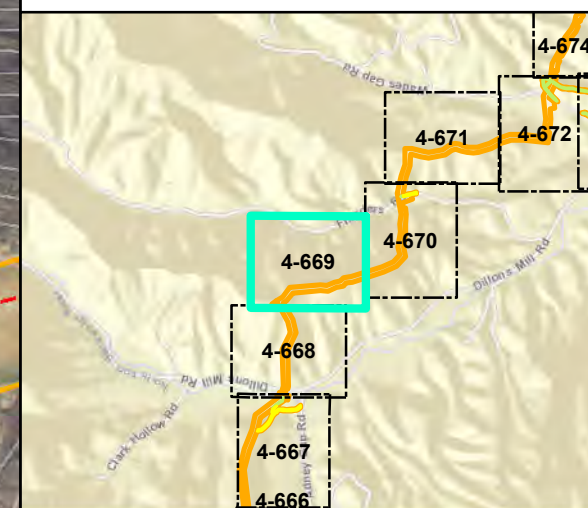
Legend

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

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 4-669
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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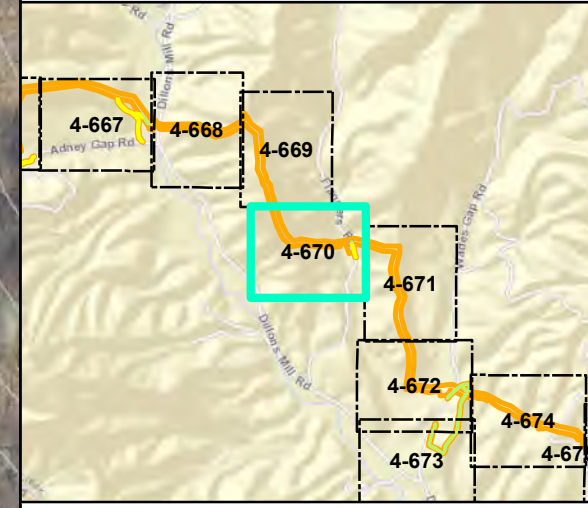
Legend

○ Milepost	▨ Pond
- - - Alignment Centerline	Wetland
▭ Access Road Temporary LOD	▨ Palustrine Forested
▭ Access Road Permanent LOD	▨ Palustrine Emergent
▭ Permanent Facility	▨ Palustrine Scrub-Shrub
▭ Limit of Disturbance	Stream Impact
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Stream	Wetland Impact
— Intermittent	▨ Temporary
— Ephemeral	▨ Conversion
— Perennial	▨ Permanent Fill

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

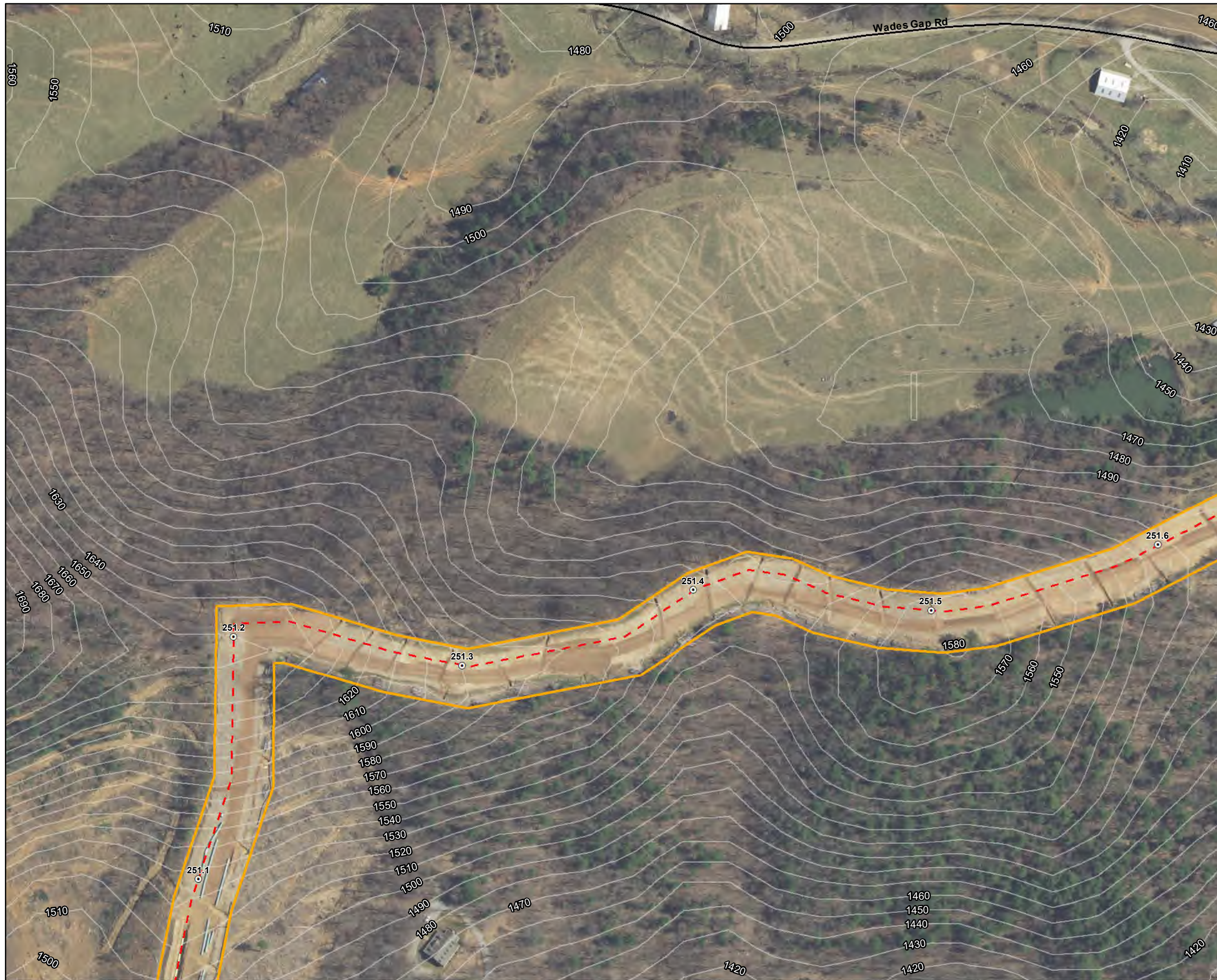
Detail Map
Individual Permit Application

Figure 4-670
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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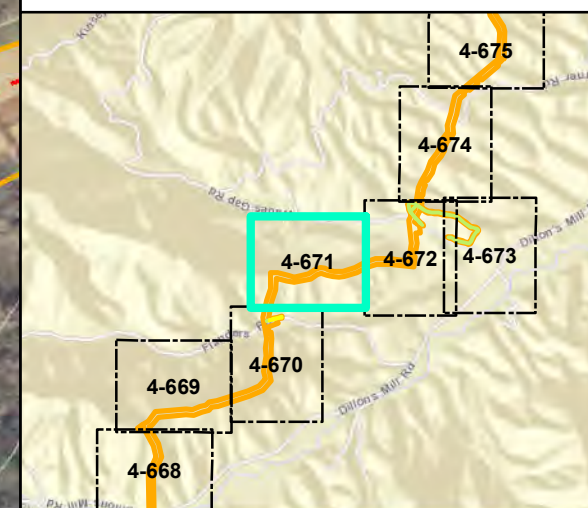
Legend

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

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 4-671
Franklin County, Virginia

February 2021

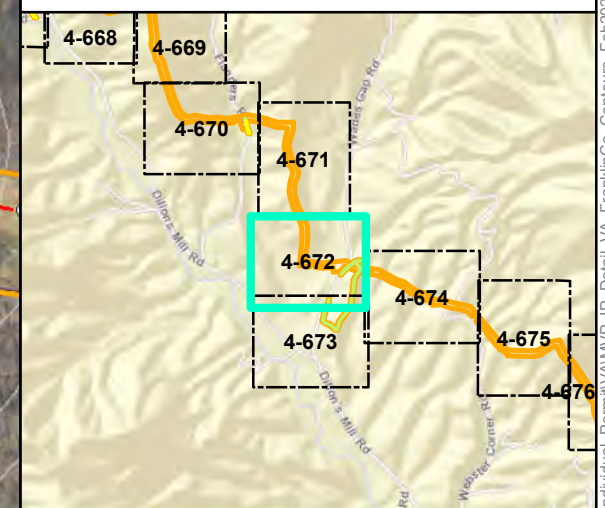
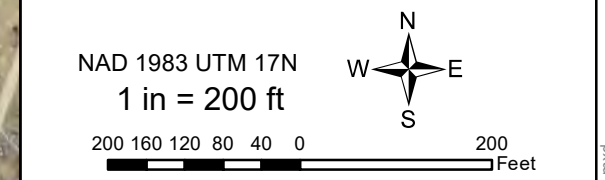
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Map Projection: NAD 1983 UTM 17N

Document Path: PGH \tts01\052\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\AMVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd



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

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



S-GH7 crossing complete (Table 10).
Temporary crossing structure impact (Table 2).

Mountain Valley Pipeline Project



**Detail Map
Individual Permit Application**

Figure 4-672
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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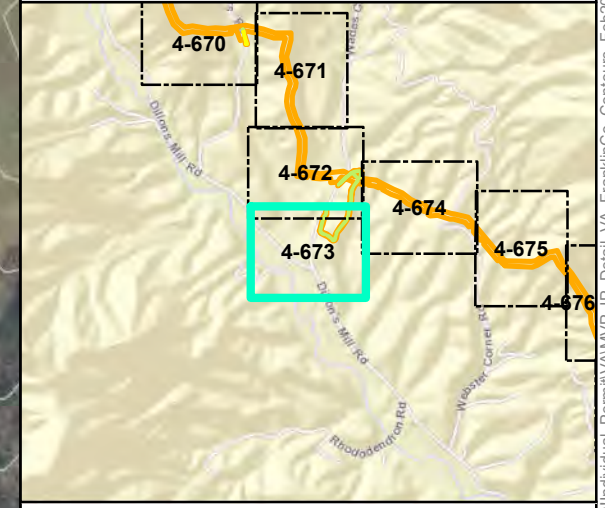
Legend

○ Milepost	▨ Pond
- - - Alignment Centerline	▨ Wetland
▭ Access Road Temporary LOD	▨ Palustrine Forested
▭ Access Road Permanent LOD	▨ Palustrine Emergent
▭ Permanent Facility	▨ Palustrine Scrub-Shrub
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▭ Culvert	▨ Permanent
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Note:
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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 4-673
Franklin County, Virginia

February 2021

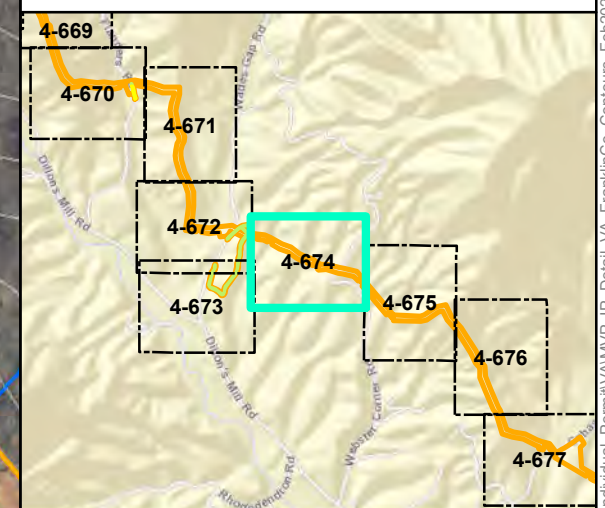
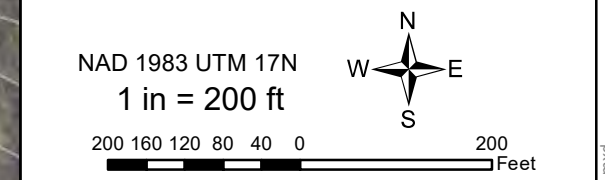
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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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
 - ▬ Ephemeral
 - ▬ Perennial
 - ▨ Pond
 - ▨ Wetland
 - ▨ Palustrine Forested
 - ▨ Palustrine Emergent
 - ▨ Palustrine Scrub-Shrub
 - ▨ Stream Impact
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 - ▨ Permanent
 - ▨ Wetland Impact
 - ▨ Temporary
 - ▨ Conversion
 - ▨ Permanent Fill

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 4-674
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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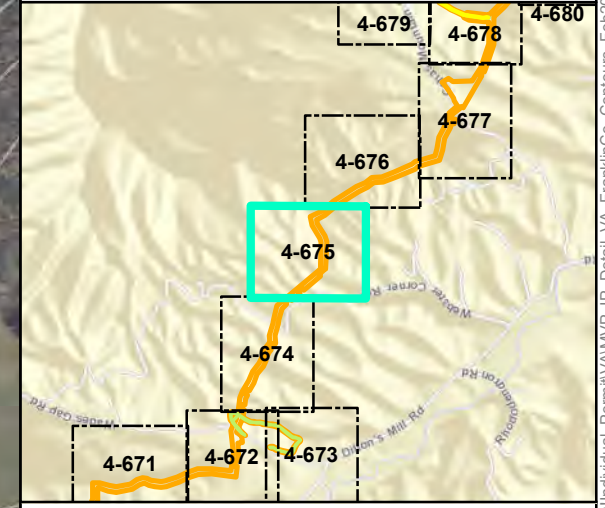
Legend

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

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 4-675
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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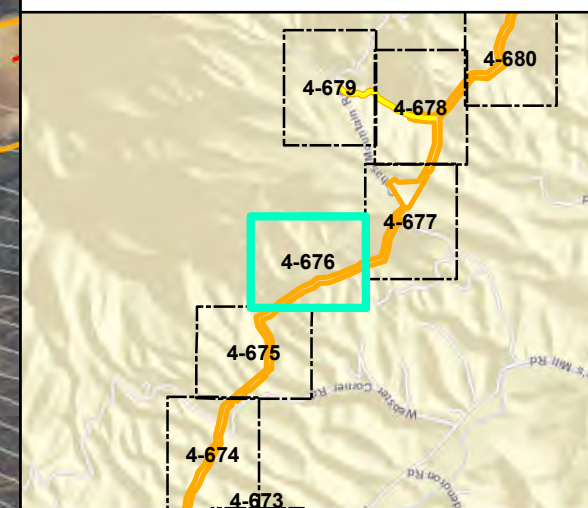
Legend

○ Milepost	▨ Pond
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▭ Access Road Permanent LOD	▨ Palustrine Emergent
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▨ Ephemeral	▨ Conversion
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Note:
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NAD 1983 UTM 17N
1 in = 200 ft

200 160 120 80 40 0 200 Feet



Mountain Valley Pipeline Project

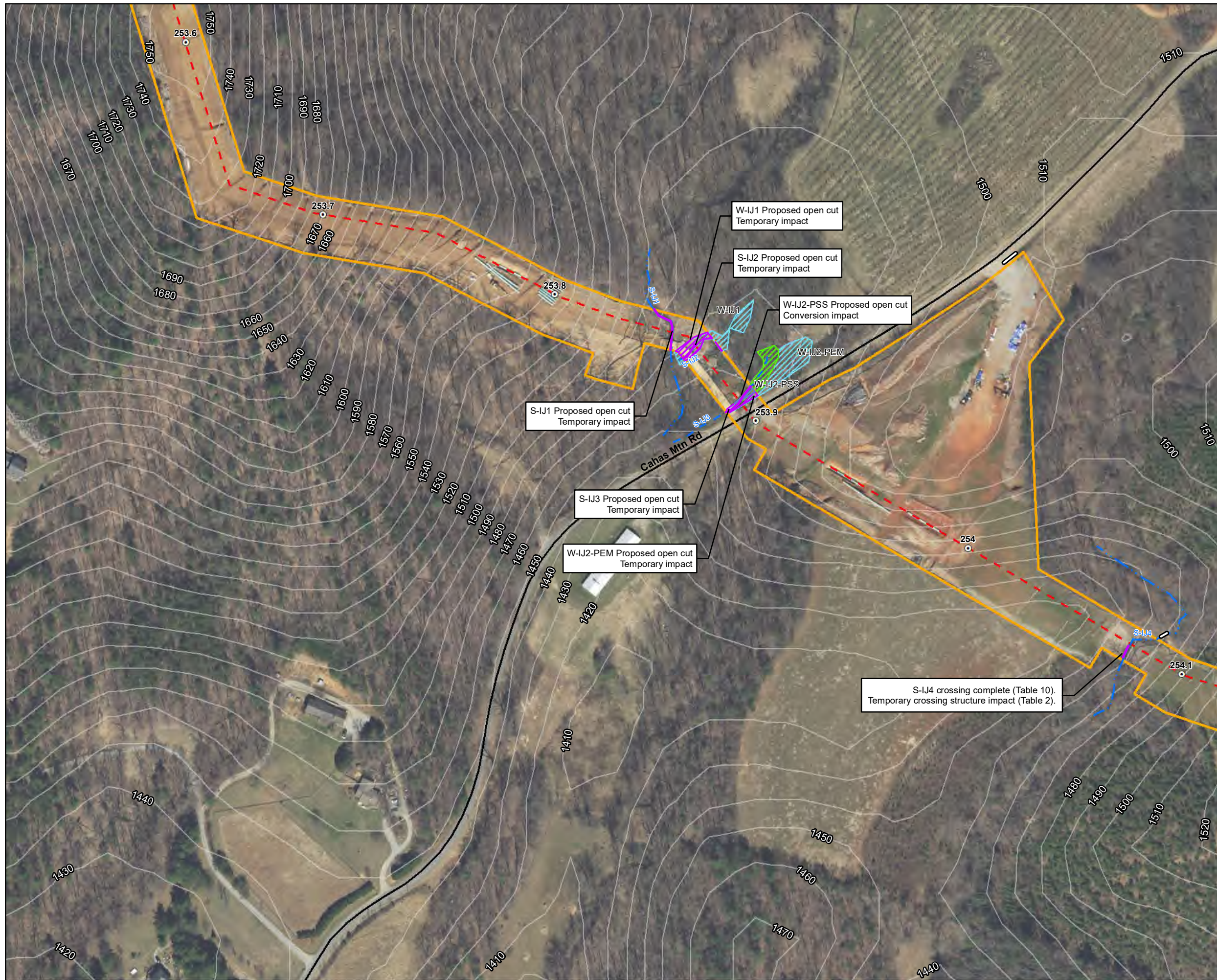
Detail Map
Individual Permit Application

Figure 4-676
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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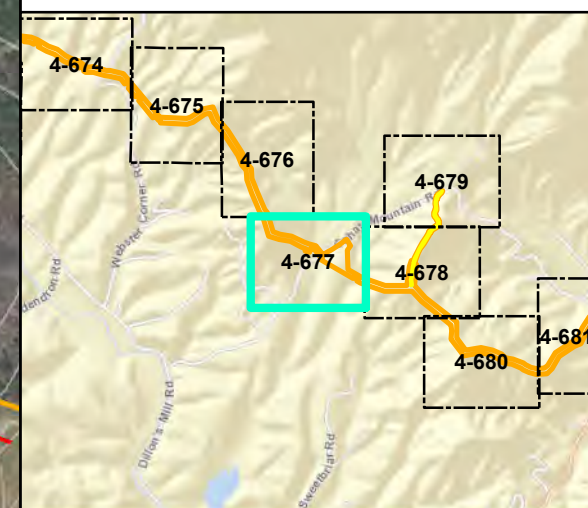
Legend

○ Milepost	▨ Pond
- - - Alignment Centerline	▨ Wetland
▭ Access Road Temporary LOD	▨ Palustrine Forested
▭ Access Road Permanent LOD	▨ Palustrine Emergent
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▭ Stream	▨ Wetland Impact
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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 4-677
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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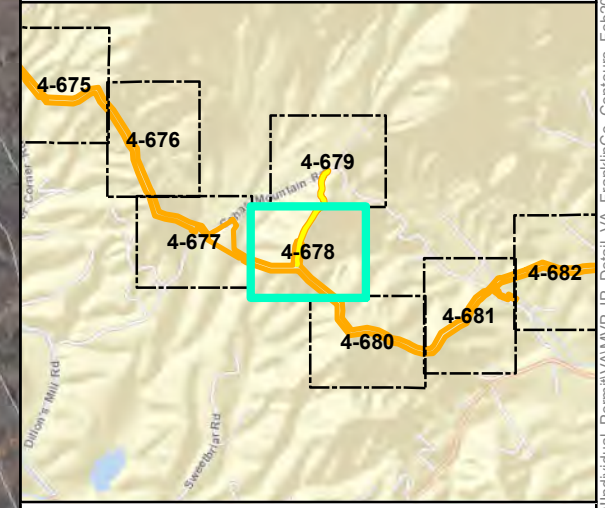
Legend

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

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 4-678
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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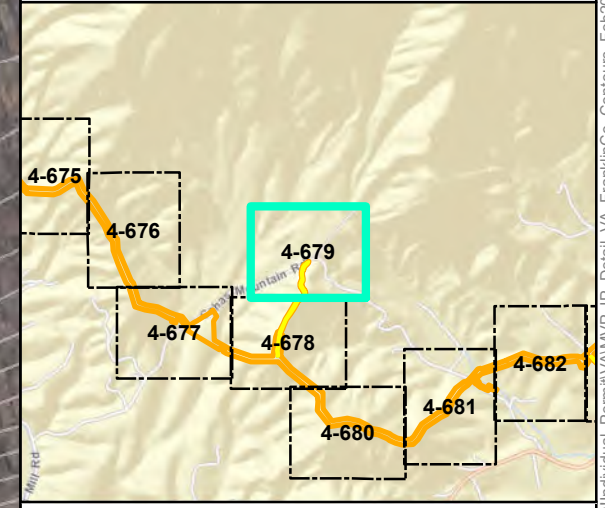
Legend

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

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 4-679
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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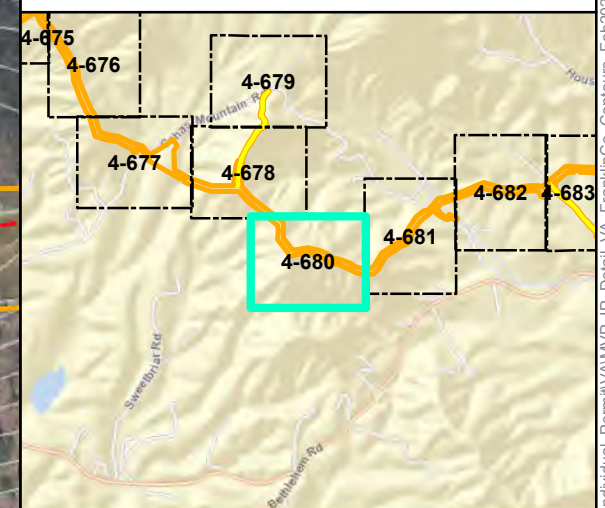


Legend

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

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 4-680
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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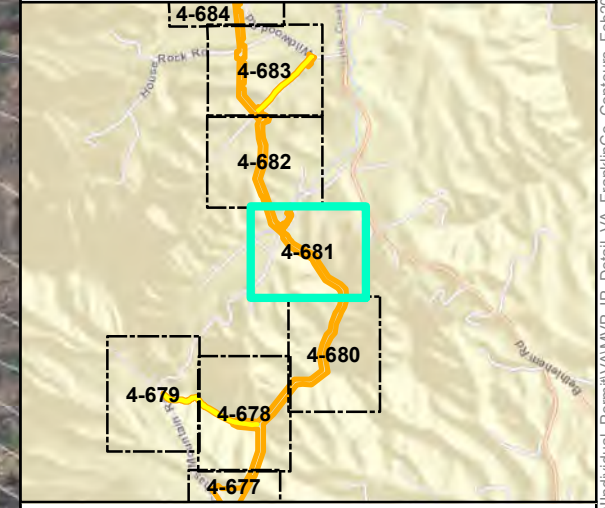
Legend

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

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

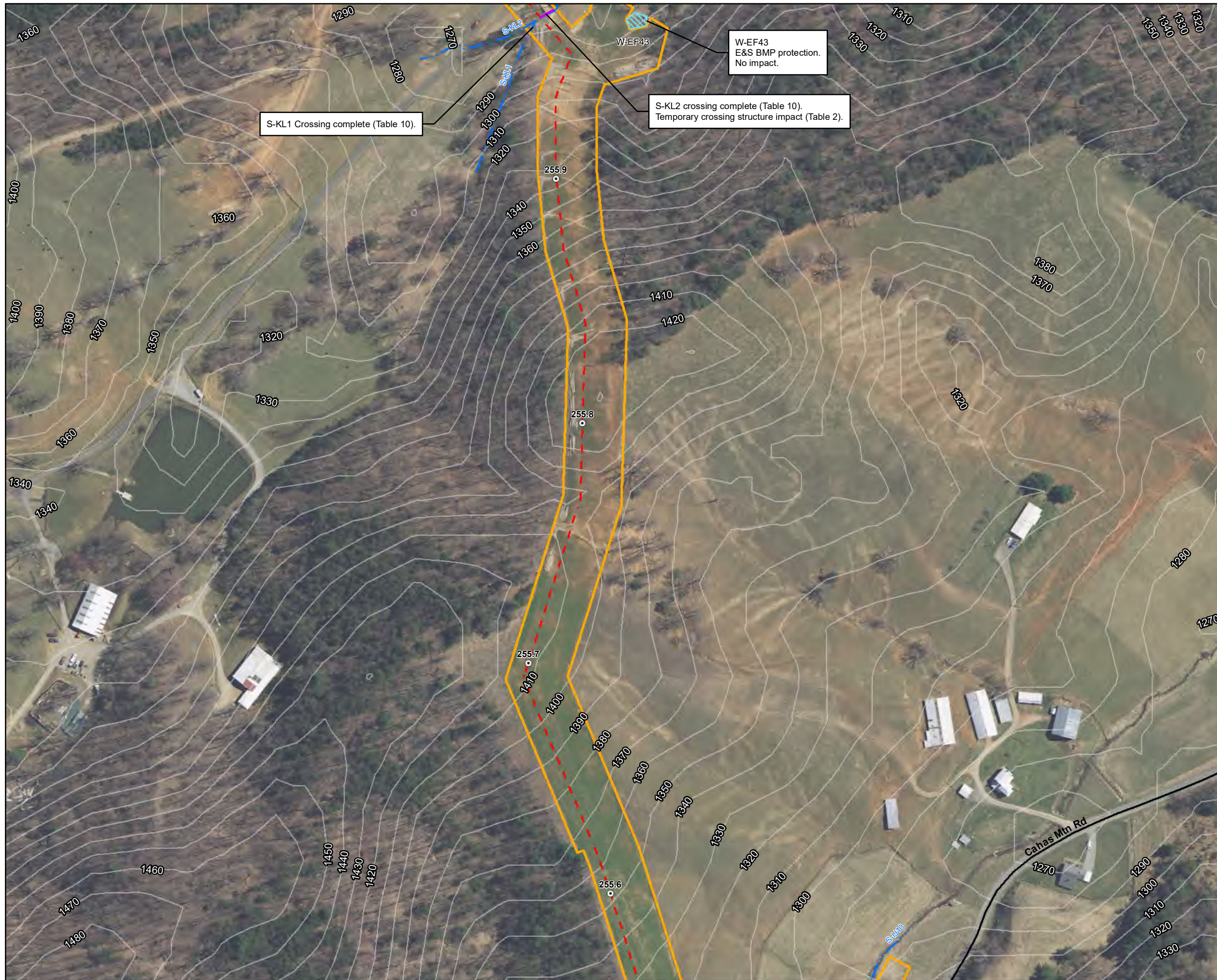
Detail Map
Individual Permit Application

Figure 4-681
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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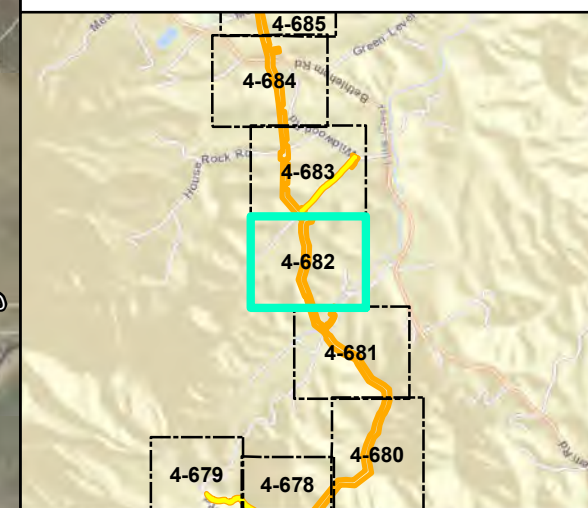
Legend

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

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 4-682
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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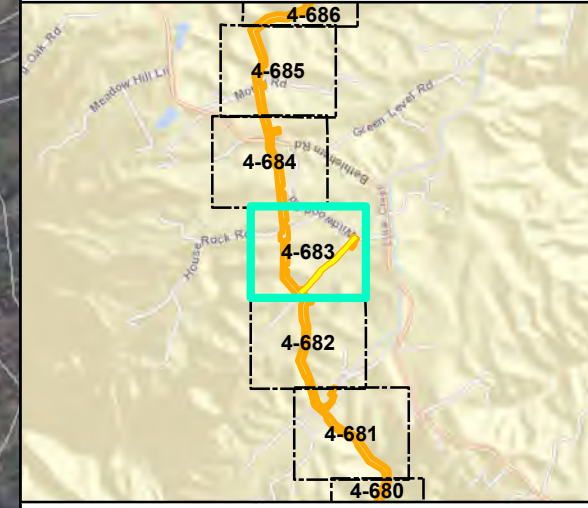


Legend

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

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 4-683
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

Document Path: PGH \tts01\052\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\AMVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd



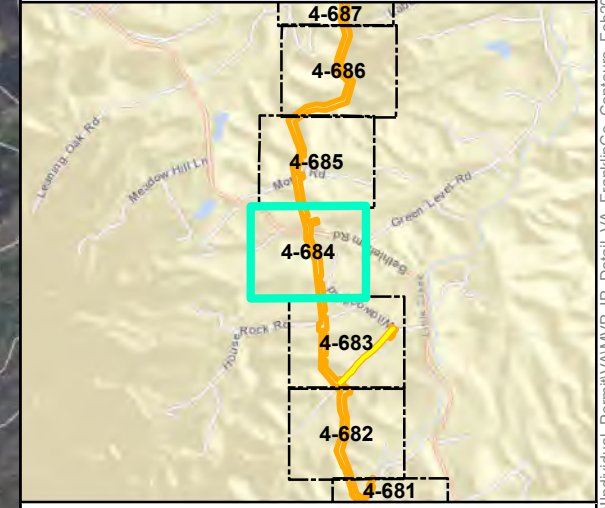
Legend

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

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 4-684
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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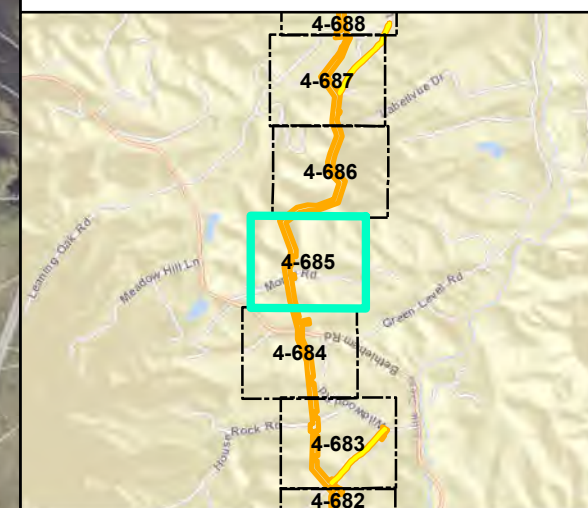
Legend

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

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 4-685
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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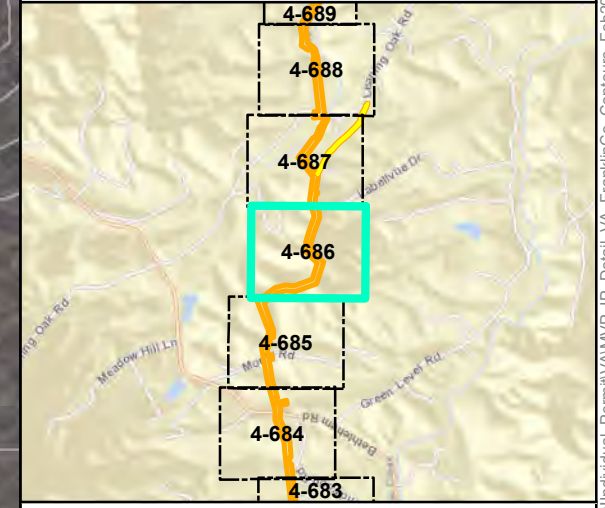
Legend

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

Note:
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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 4-686
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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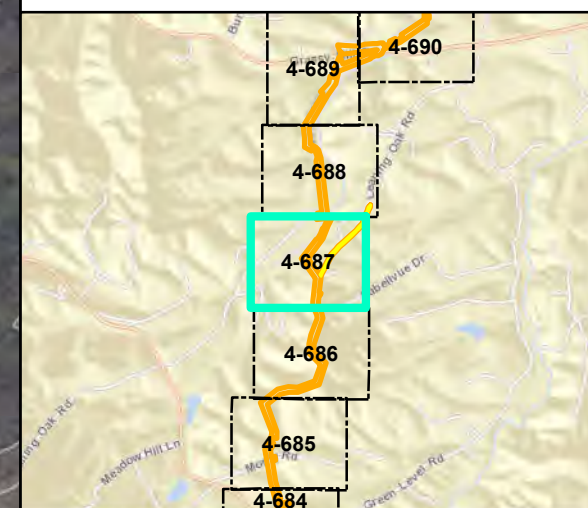
Legend

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

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 4-687
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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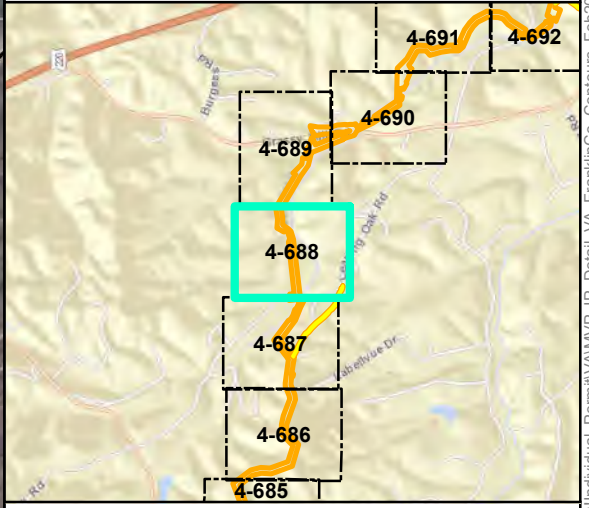
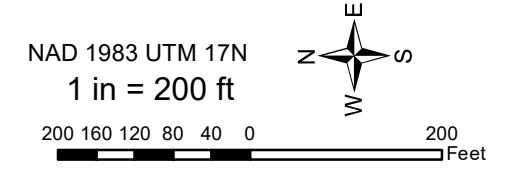
S-GH3 Proposed bore
Crossing structure temporary impact

S-GH4 Proposed bore
Crossing structure temporary impact

Legend

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

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



Mountain Valley Pipeline Project

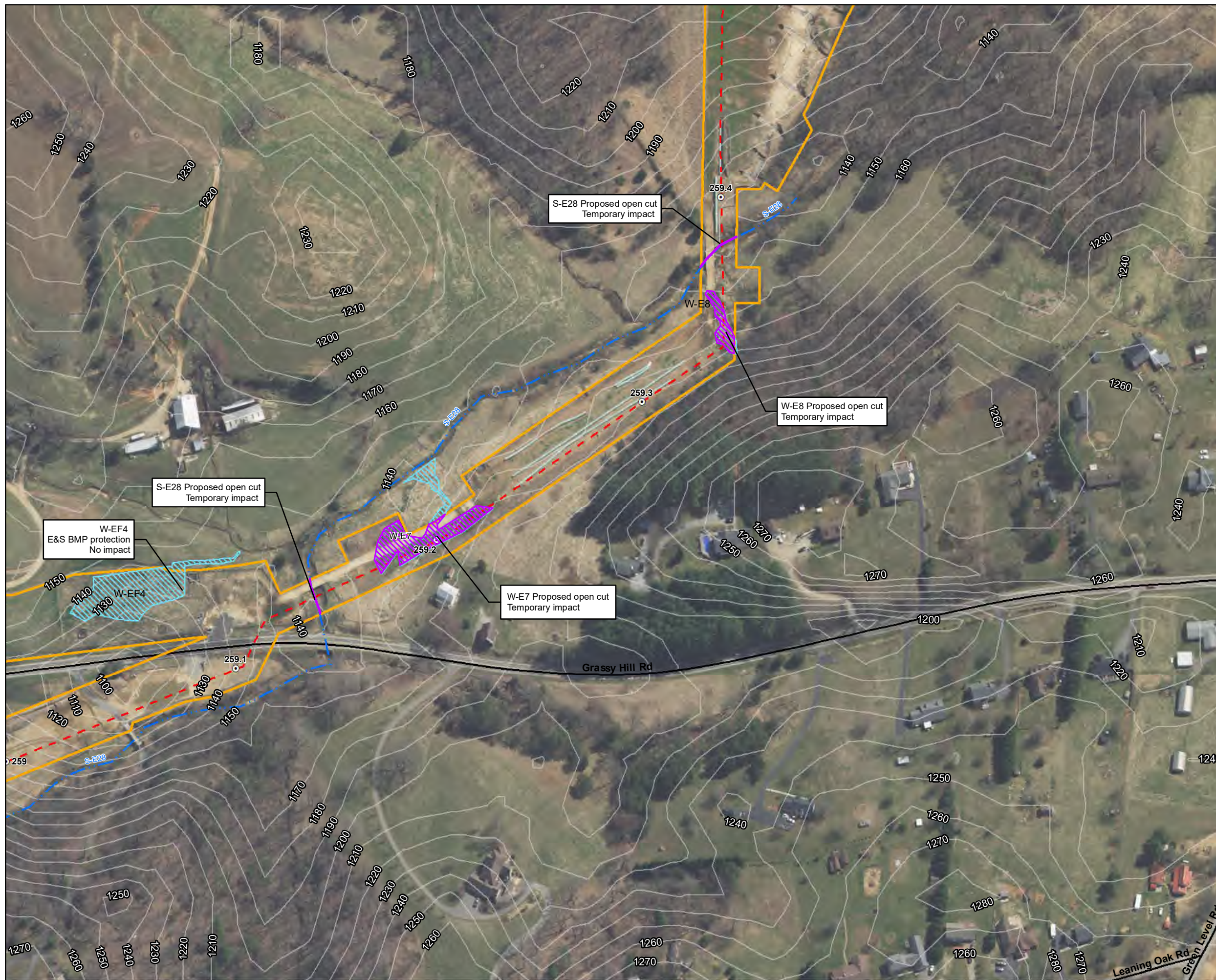


**Detail Map
Individual Permit Application**

Figure 4-688
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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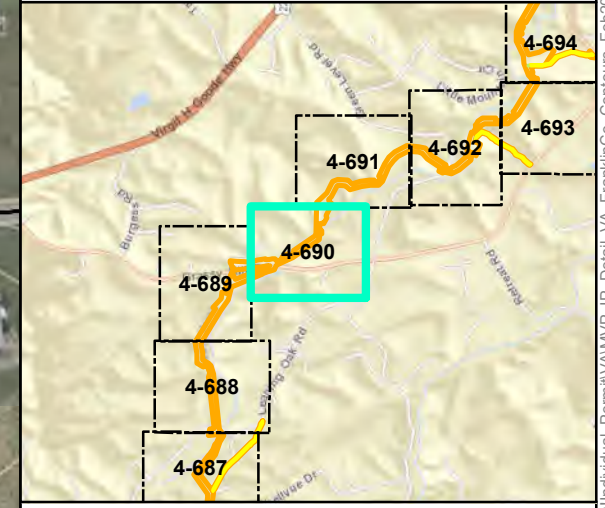
Legend

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

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

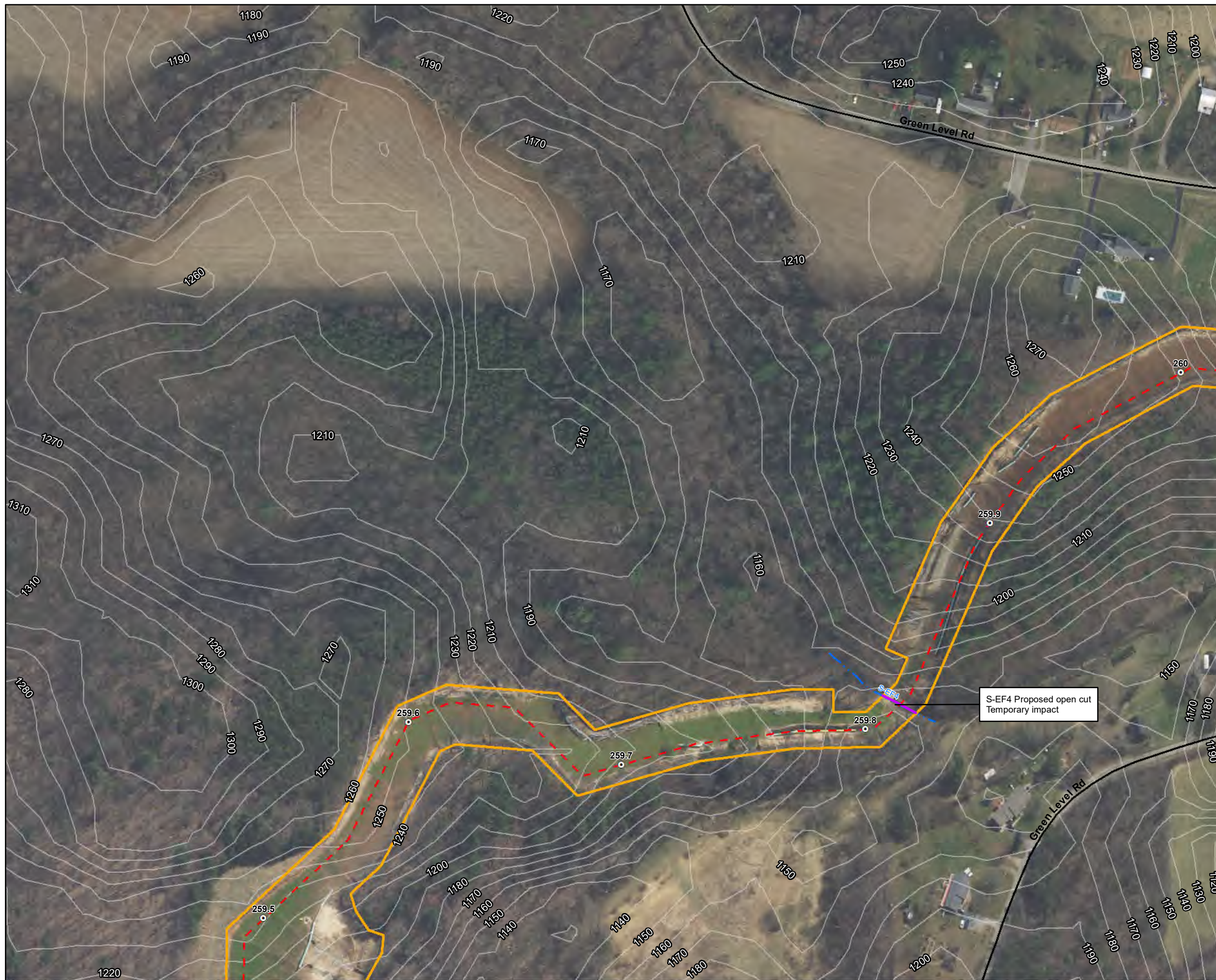
Detail Map
Individual Permit Application

Figure 4-690
Franklin County, Virginia

February 2021

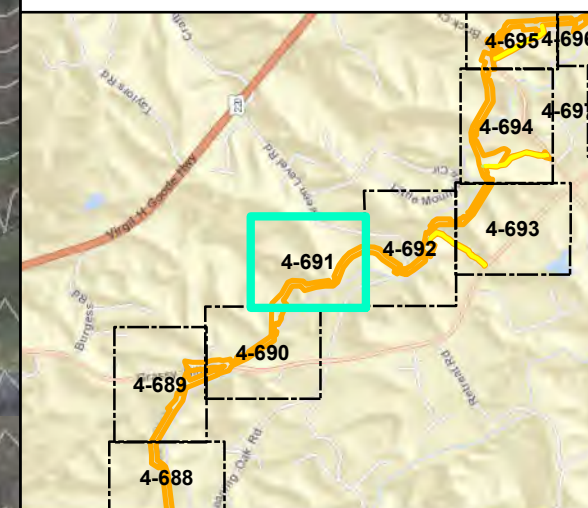
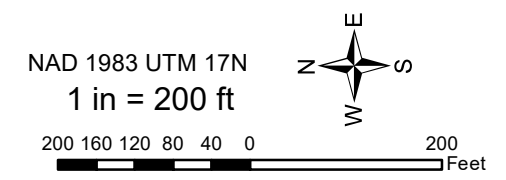
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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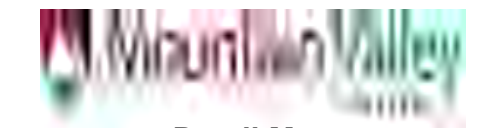


- ### Legend
- Milepost
 - Alignment Centerline
 - Access Road Temporary LOD
 - Access Road Permanent LOD
 - Permanent Facility
 - Limit of Disturbance
 - Bore Pit
 - Culvert
 - Intermittent Stream
 - Ephemeral Stream
 - Perennial Stream
 - Pond
 - Wetland**
 - Palustrine Forested
 - Palustrine Emergent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

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



Mountain Valley Pipeline Project

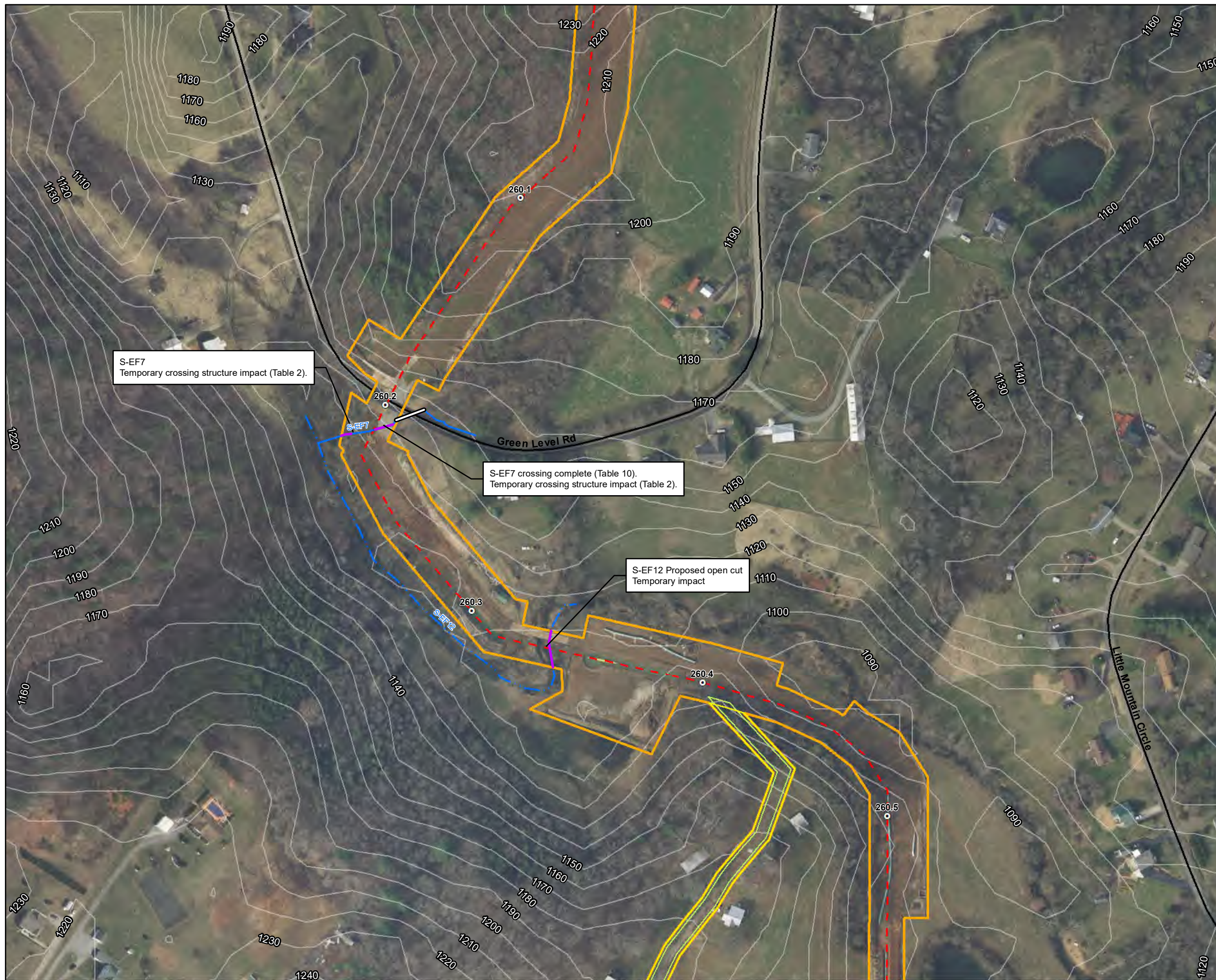


Detail Map Individual Permit Application

Figure 4-691
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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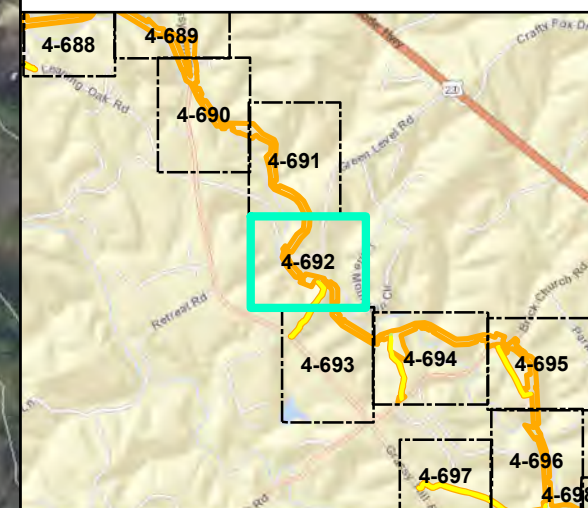
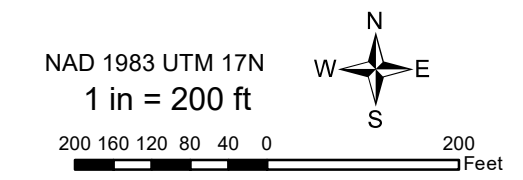
S-EF7
Temporary crossing structure impact (Table 2).

S-EF7 crossing complete (Table 10).
Temporary crossing structure impact (Table 2).

S-EF12 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
 - Ephemeral
 - · - · - Perennial
 - ▨ Pond
 - Wetland
 - ▨ Palustrine Forested
 - ▨ Palustrine Emergent
 - ▨ Palustrine Scrub-Shrub
 - Stream Impact
 - Temporary
 - Permanent
 - Wetland Impact
 - ▨ Temporary
 - ▨ Conversion
 - ▨ Permanent Fill

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 4-692
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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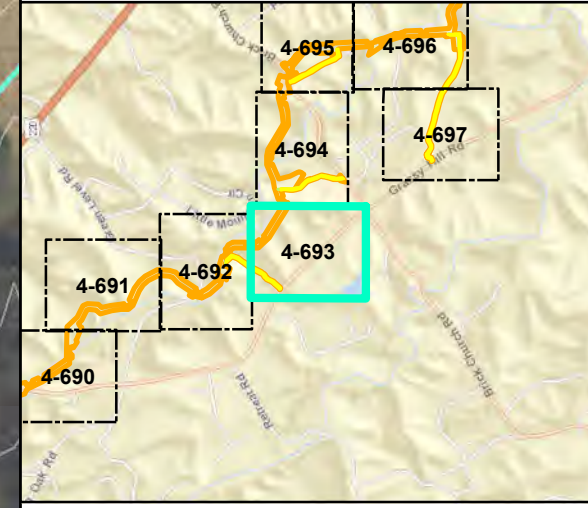


Legend

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

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

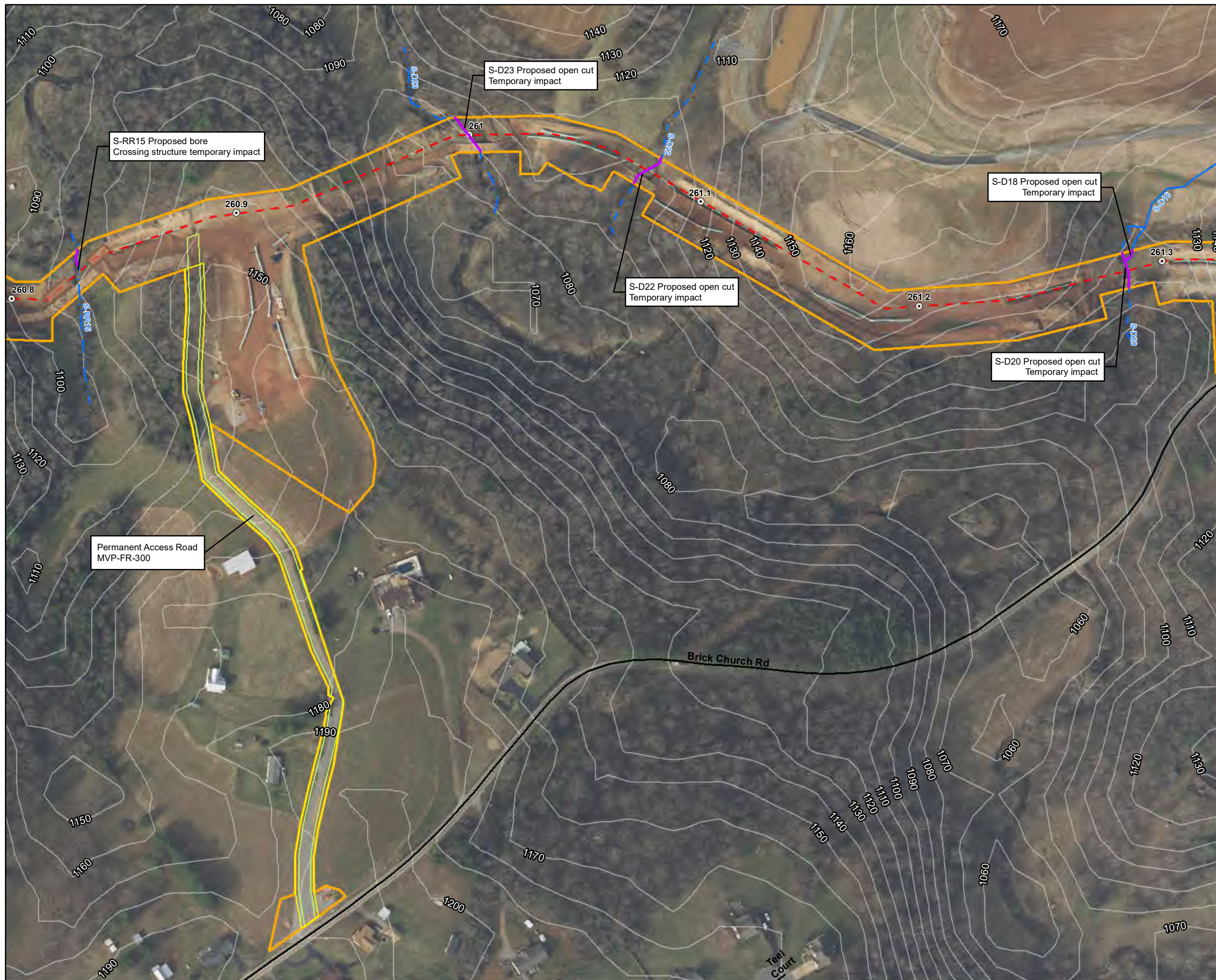
Detail Map
Individual Permit Application

Figure 4-693
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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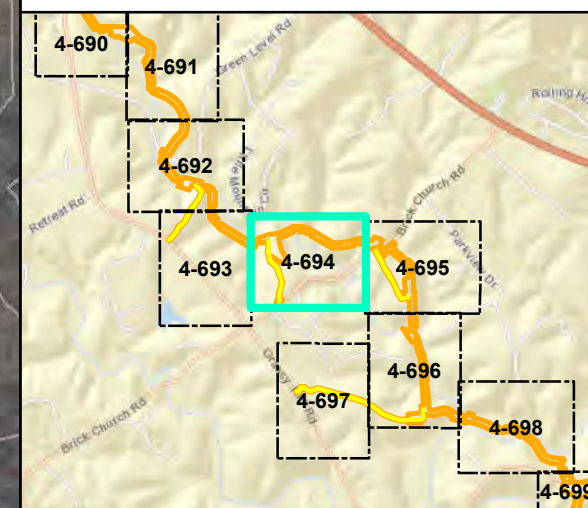
Legend

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

Note:
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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 4-694
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

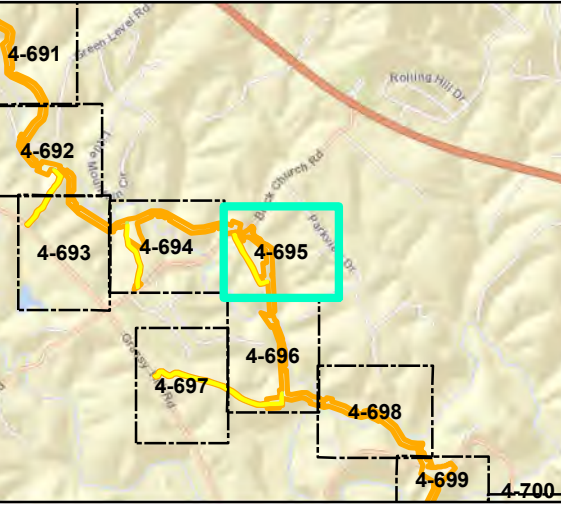
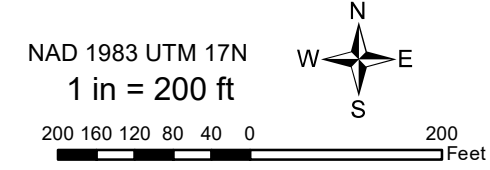
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Legend

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

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



Mountain Valley Pipeline Project

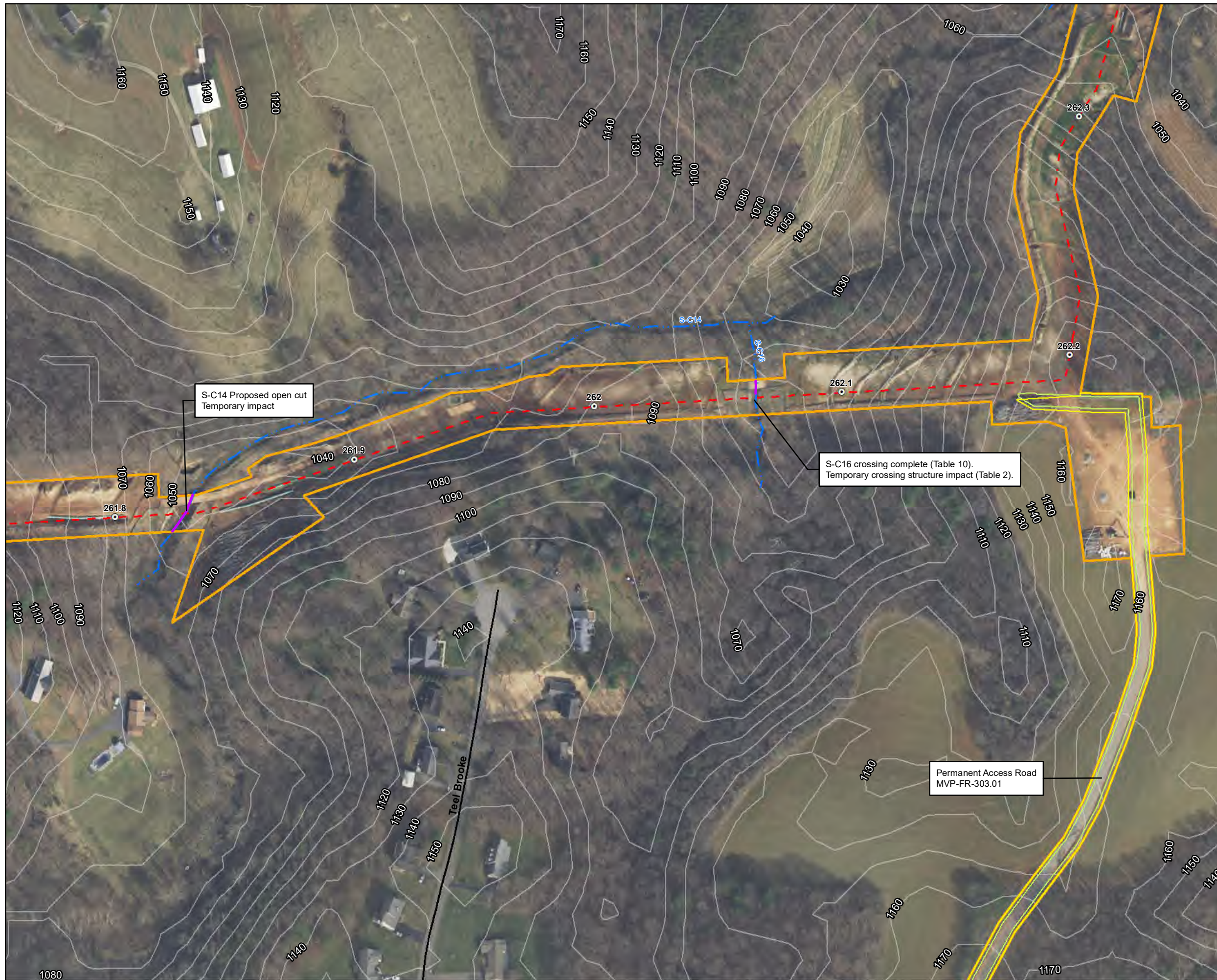


**Detail Map
Individual Permit Application**

Figure 4-695
Franklin County, Virginia
February 2021

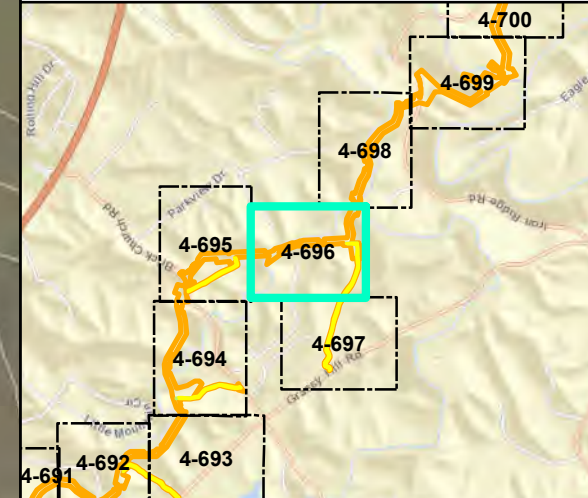
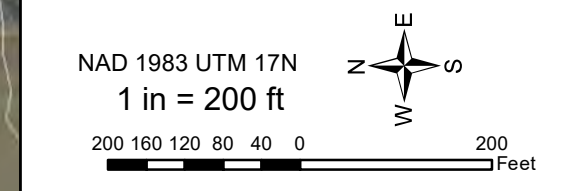
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

Document Path: PGH:\tiso01\052\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\AMVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd



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

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



Mountain Valley Pipeline Project

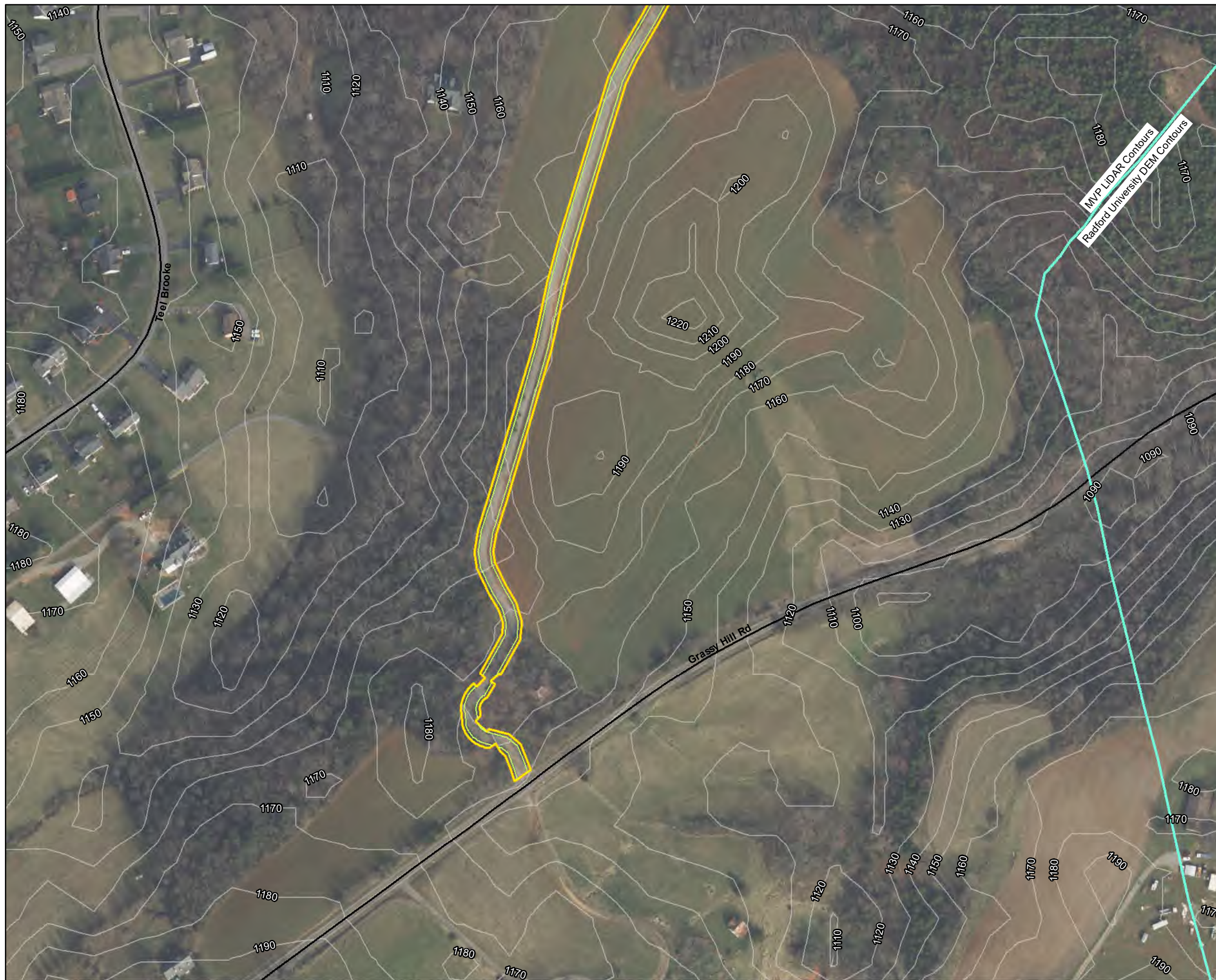


Detail Map Individual Permit Application

Figure 4-696
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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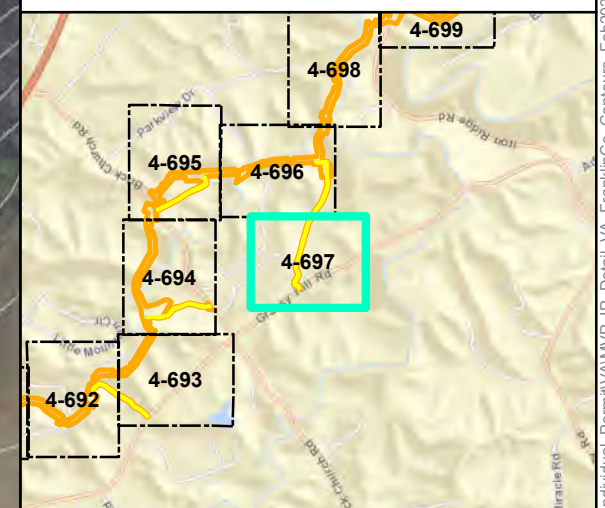
Legend

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

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 4-697
Franklin County, Virginia

February 2021

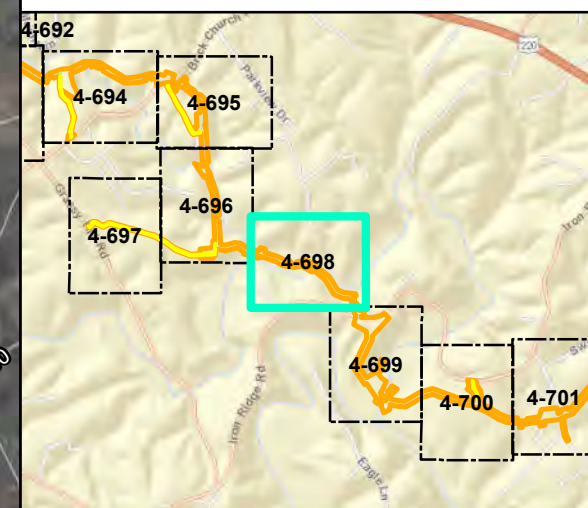
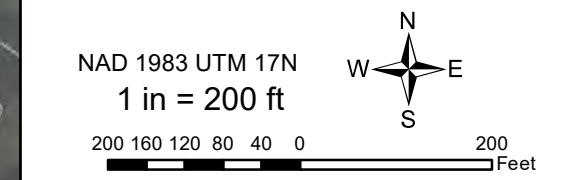
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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

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 4-698
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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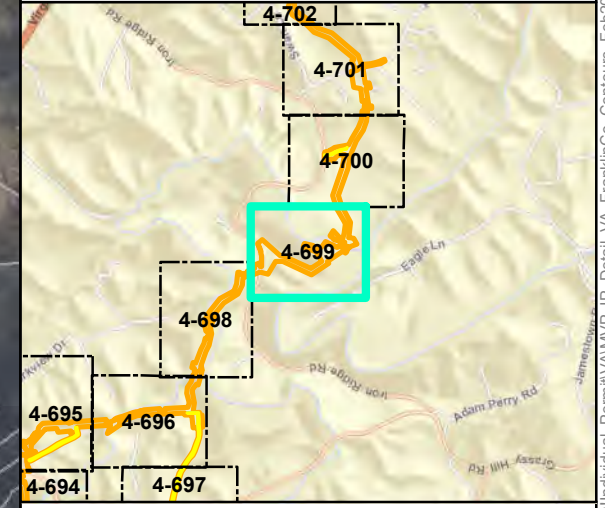
Legend

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

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 4-699
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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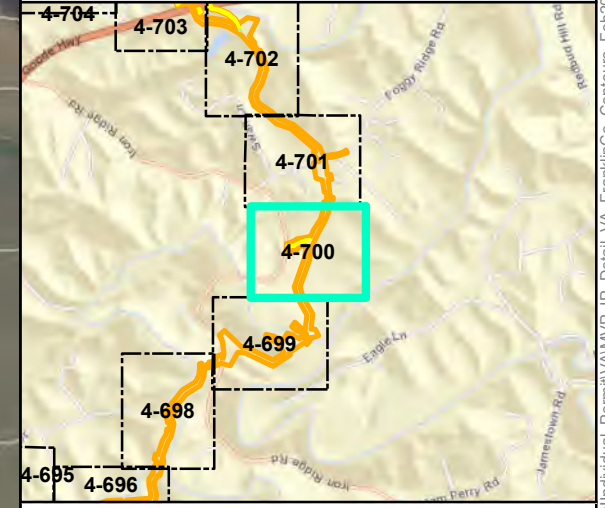
Legend

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

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



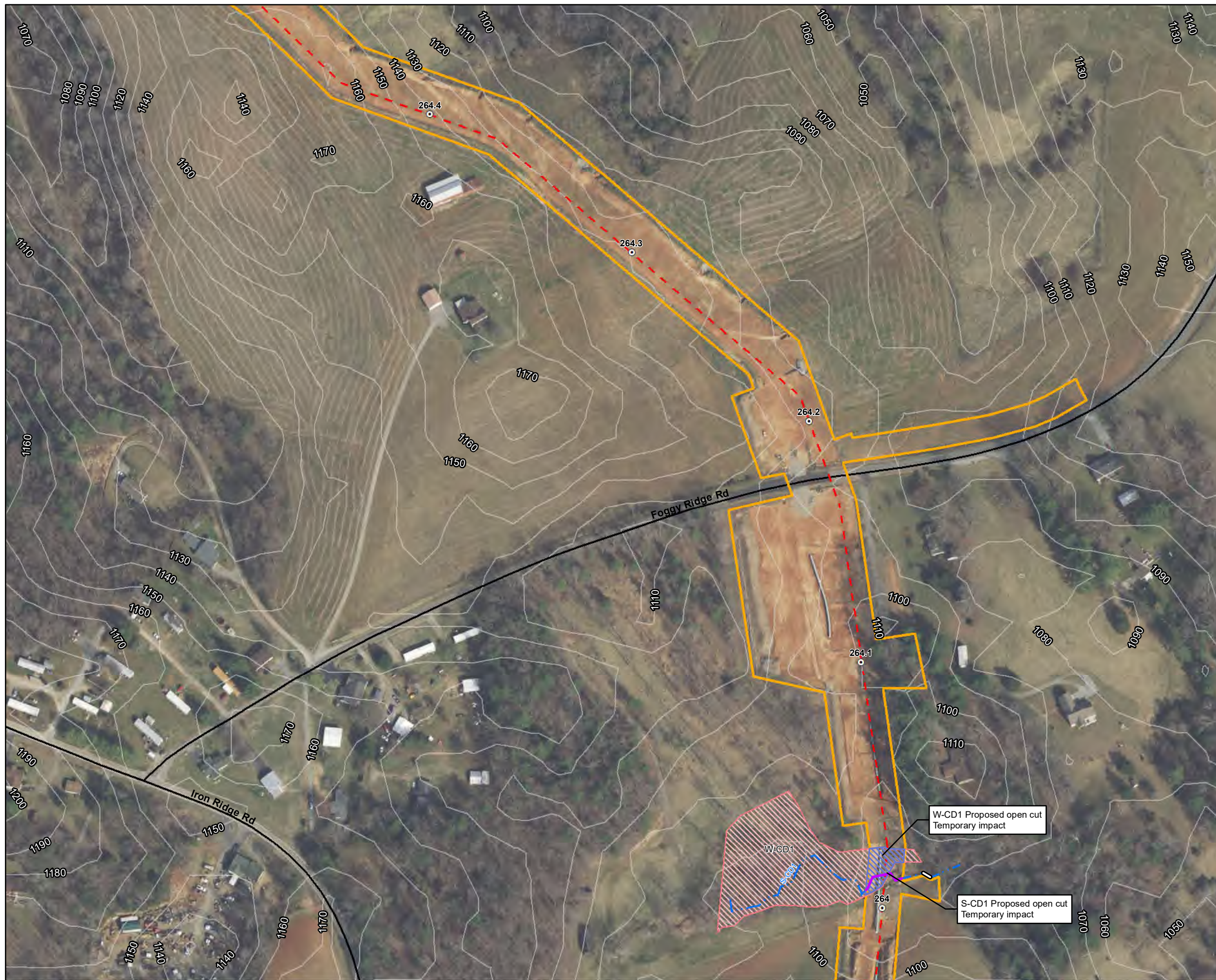
Mountain Valley Pipeline Project

Detail Map
Individual Permit Application

Figure 4-700
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N



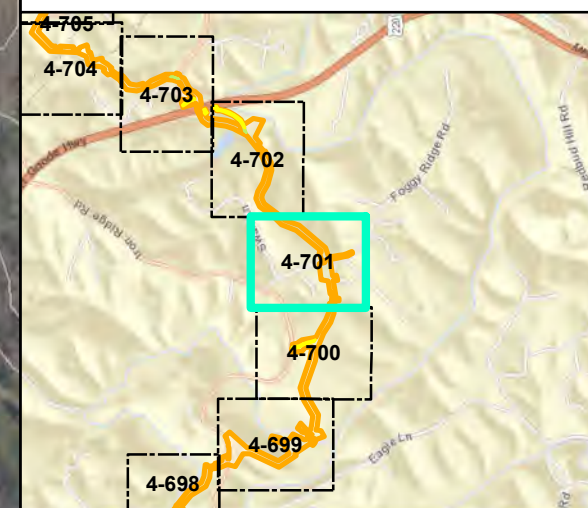
Legend

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

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 4-701
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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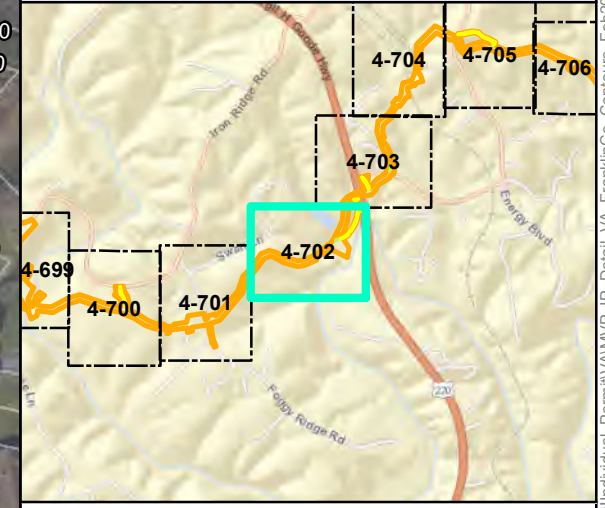


Legend

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

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

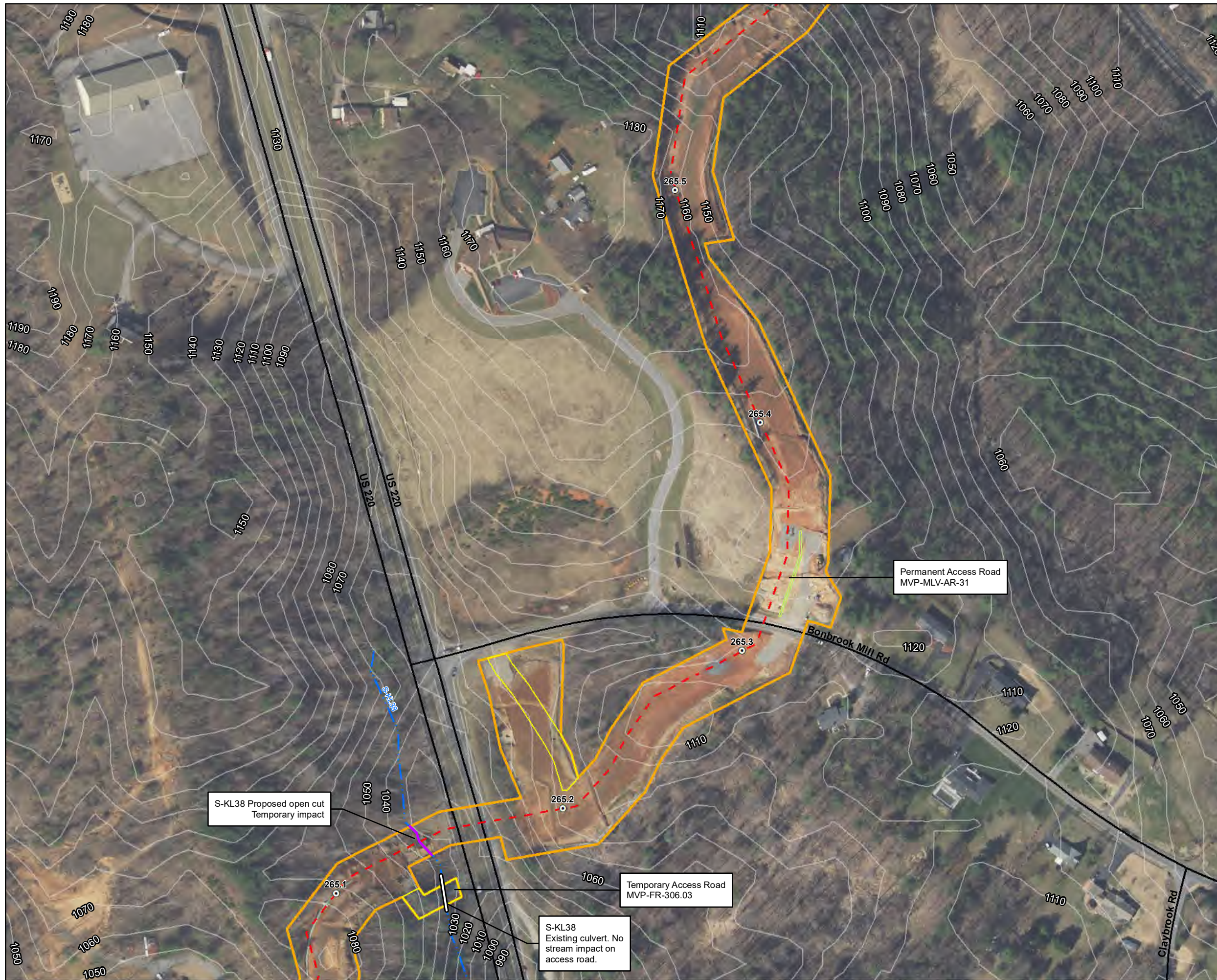
Detail Map
Individual Permit Application

Figure 4-702
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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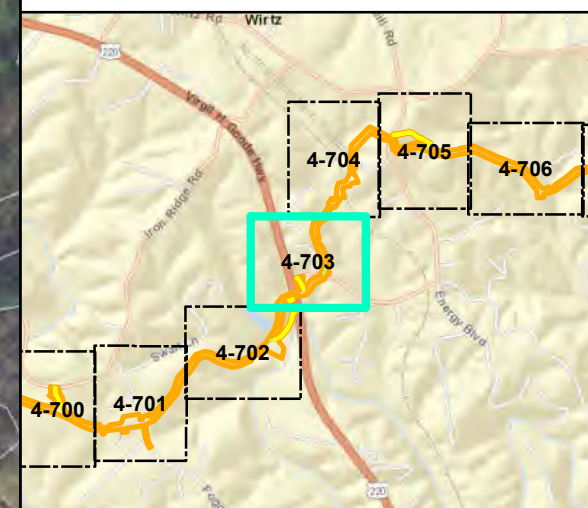


Legend

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

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



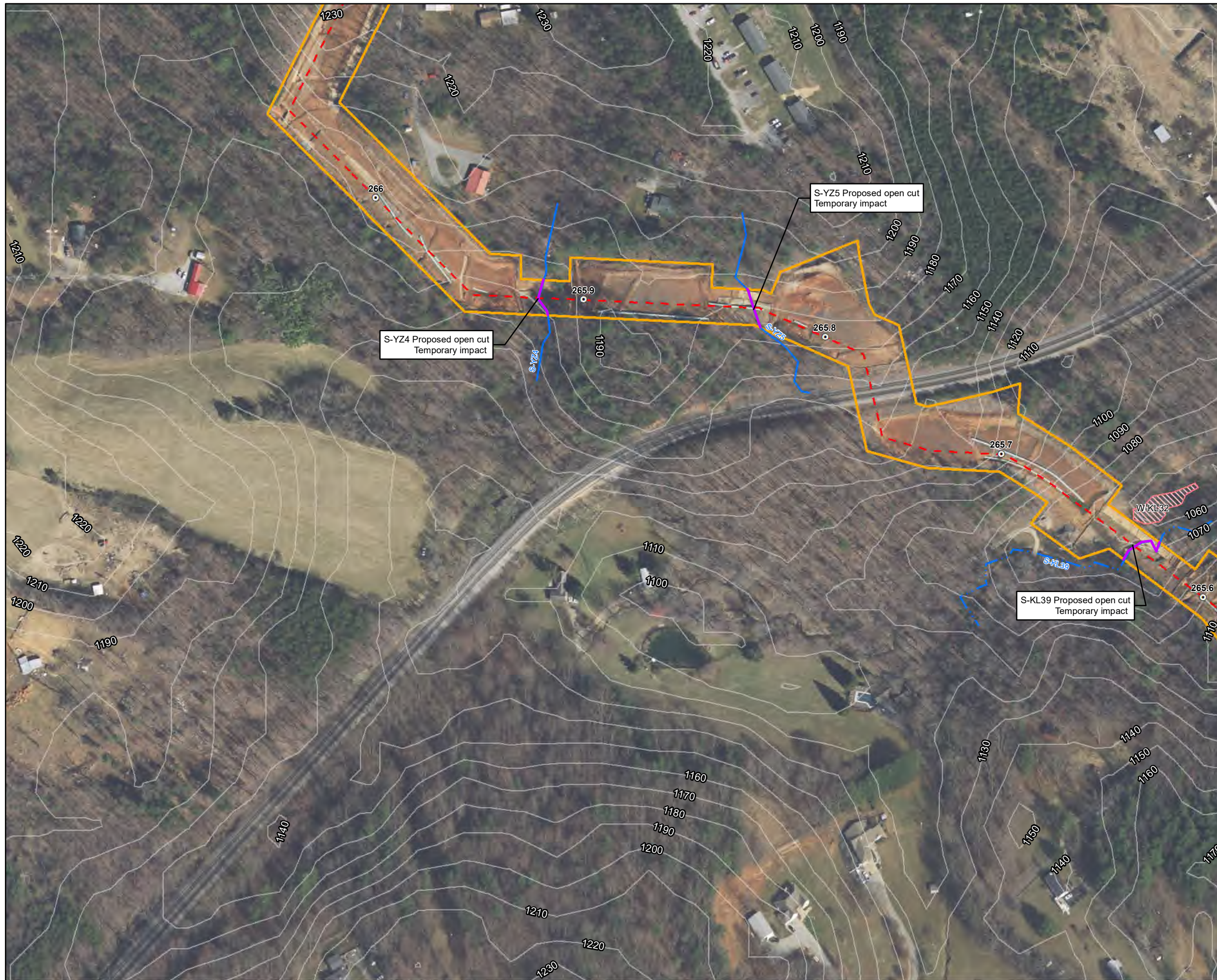
Mountain Valley Pipeline Project

Detail Map
Individual Permit Application

Figure 4-703
Franklin County, Virginia
February 2021

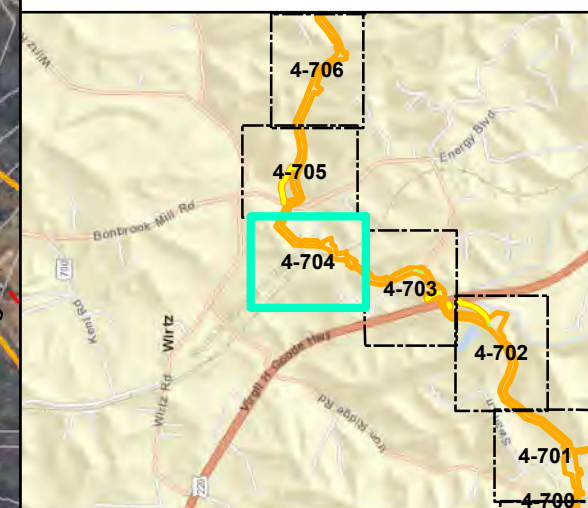
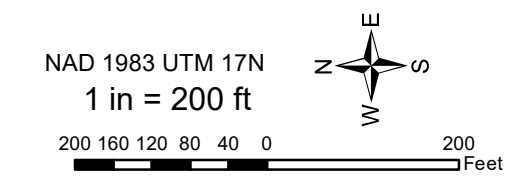
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Map Projection: NAD 1983 UTM 17N

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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
 - Ephemeral
 - Perennial
 - Pond
 - Wetland**
 - Palustrine Forested
 - Palustrine Emergent
 - Palustrine Scrub-Shrub
 - Stream Impact**
 - Temporary
 - Permanent
 - Wetland Impact**
 - Temporary
 - Conversion
 - Permanent Fill

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



Mountain Valley Pipeline Project

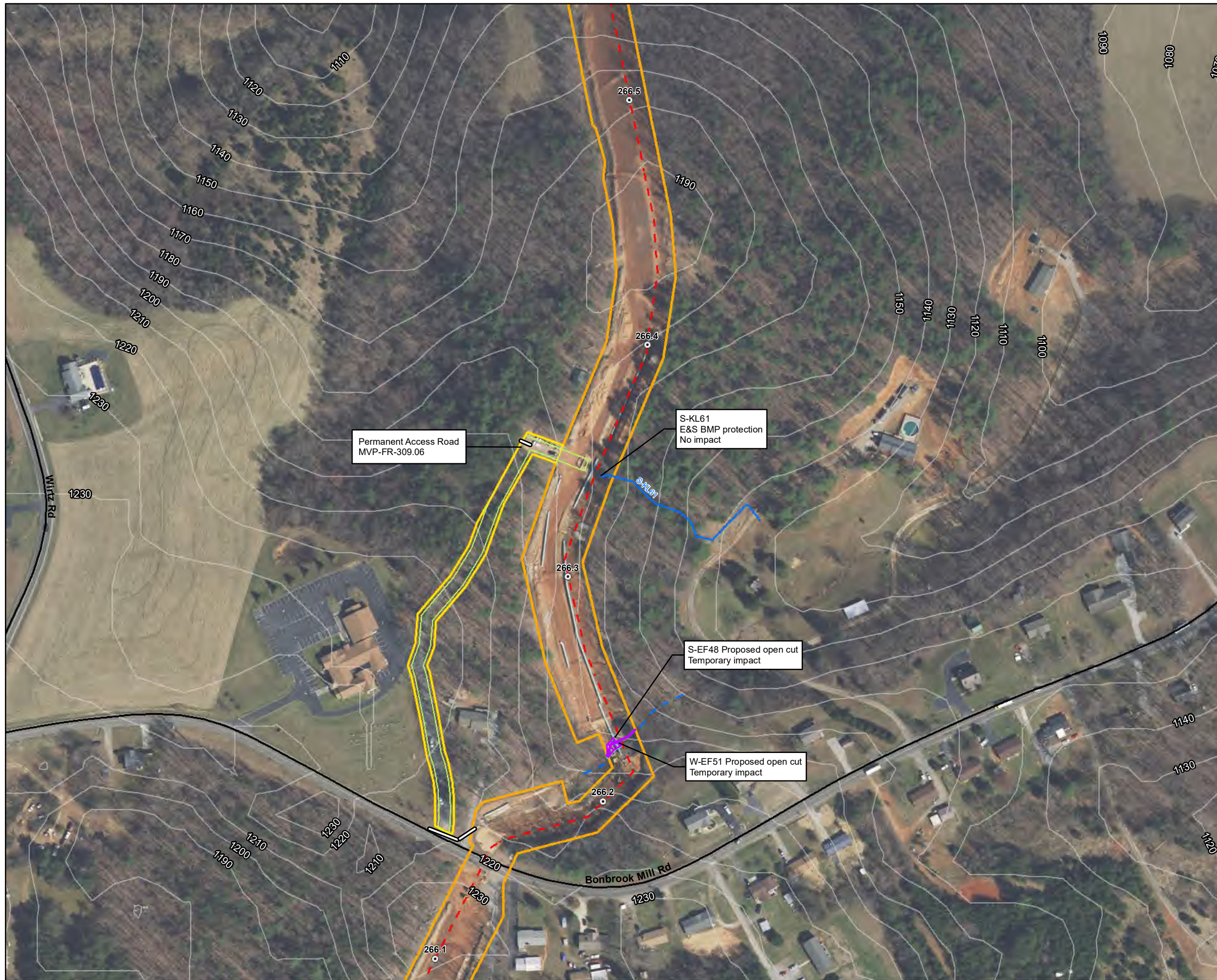


Detail Map Individual Permit Application

Figure 4-704
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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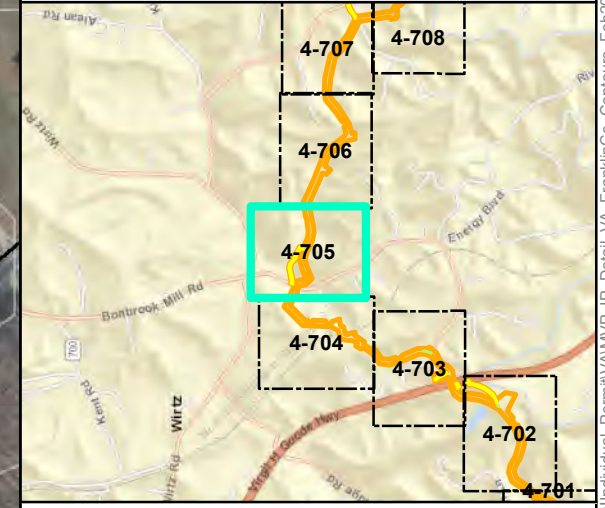
Legend

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

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 4-705
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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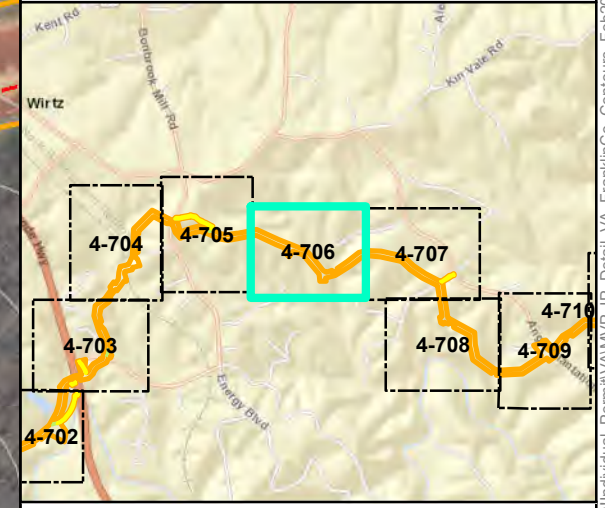
Legend

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

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 4-706
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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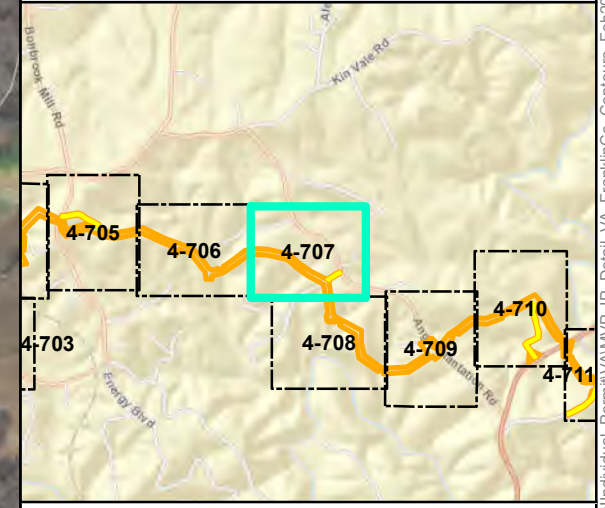
Legend

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

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 4-707
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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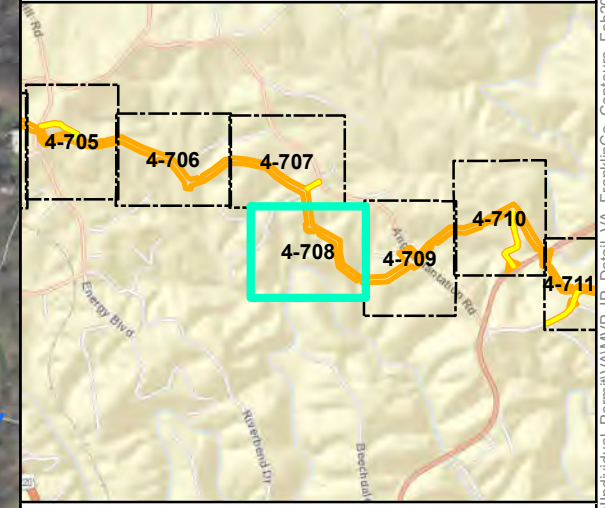
Legend

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

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 4-708
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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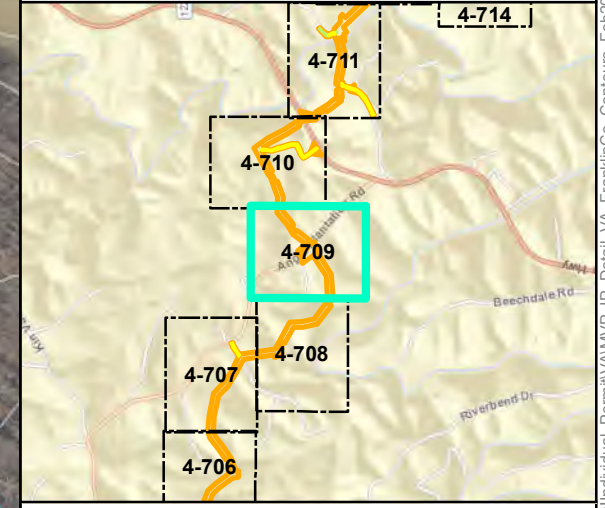
Legend

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

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 4-709
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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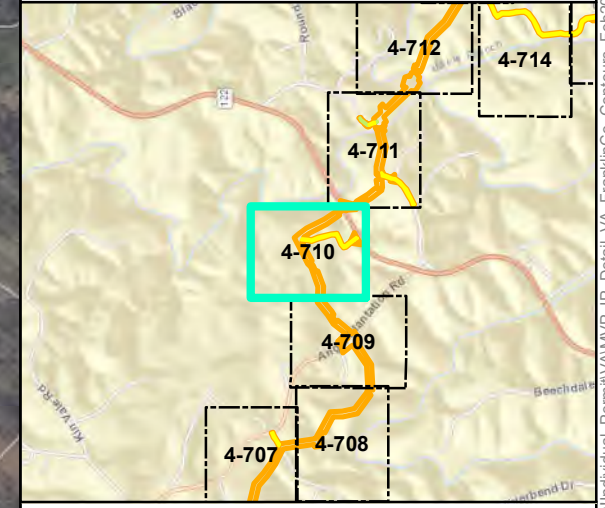
Legend

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

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

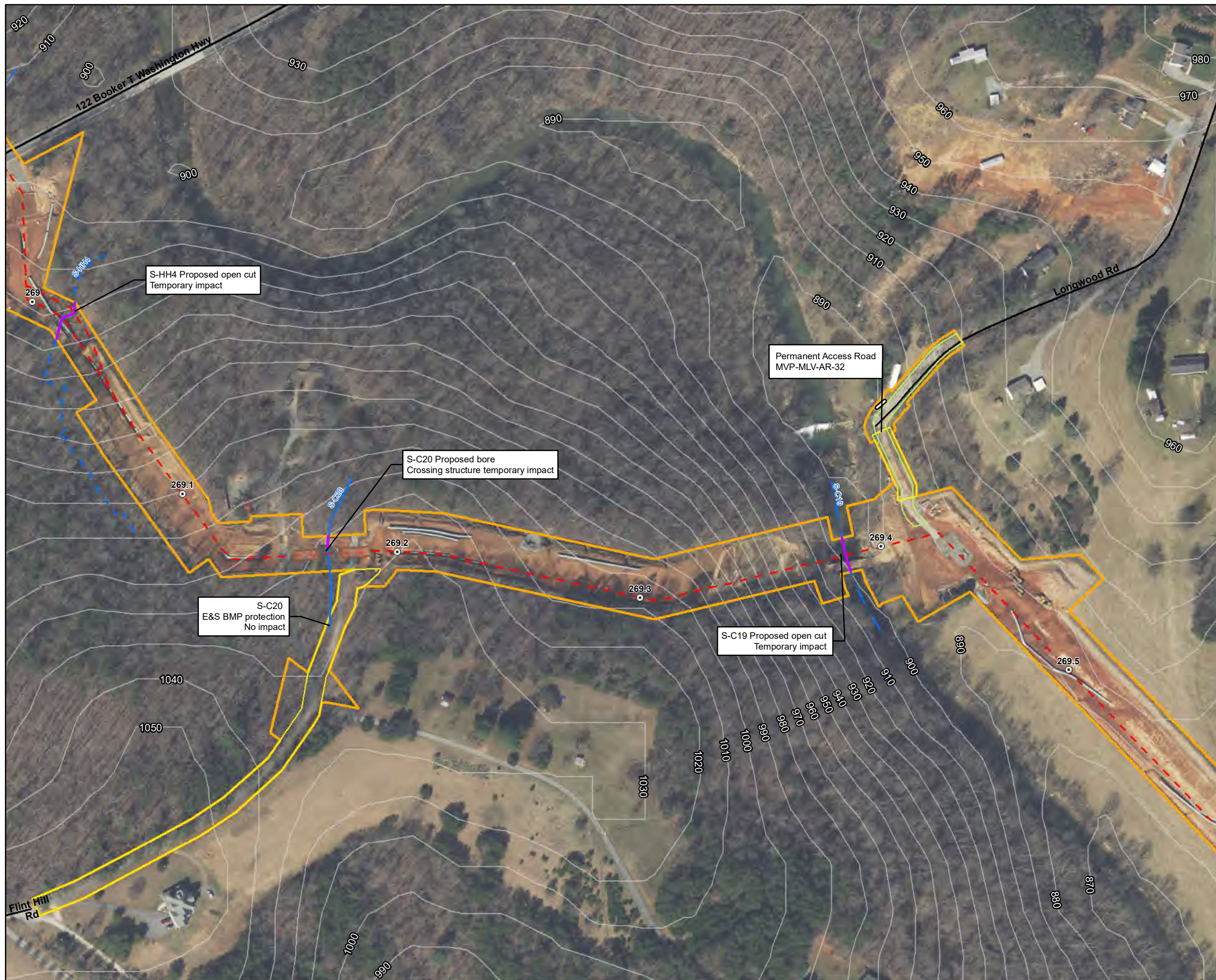
Detail Map
Individual Permit Application

Figure 4-710
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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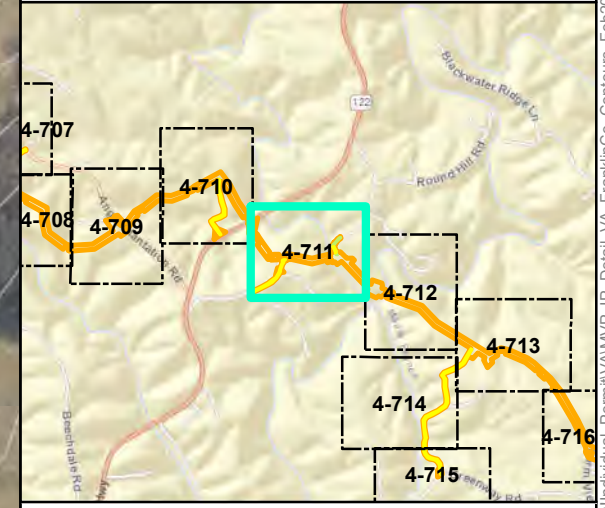
Legend

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

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 4-711
Franklin County, Virginia

February 2021

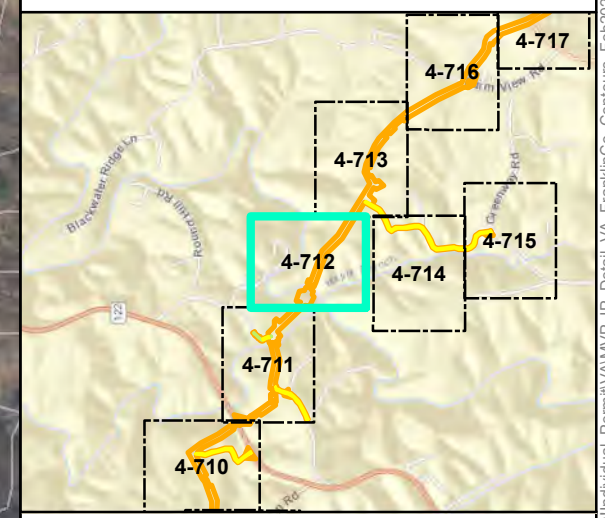
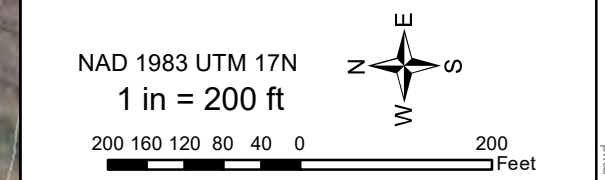
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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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
 - ▬ Ephemeral
 - ▬ Perennial
 - ▨ Pond
 - ▨ Wetland
 - ▨ Palustrine Forested
 - ▨ Palustrine Emergent
 - ▨ Palustrine Scrub-Shrub
 - ▬ Stream Impact
 - ▬ Temporary
 - ▬ Permanent
 - ▨ Wetland Impact
 - ▨ Temporary
 - ▨ Conversion
 - ▨ Permanent Fill

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 4-712
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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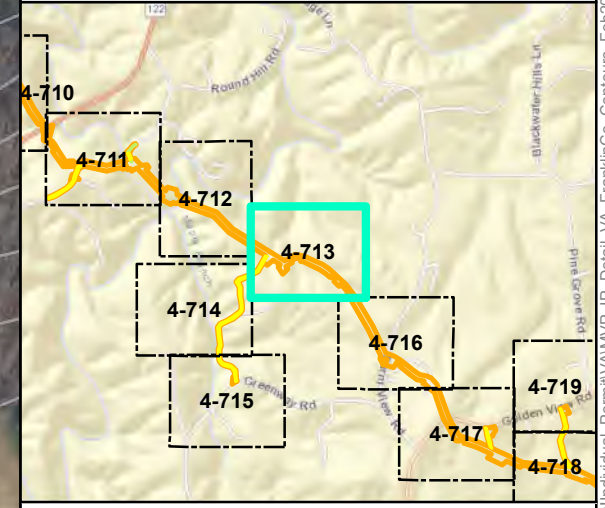
Legend

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

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 4-713
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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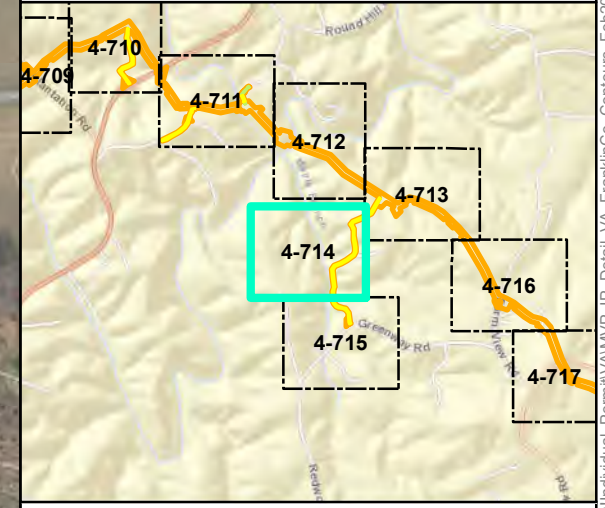
Legend

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

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 4-714
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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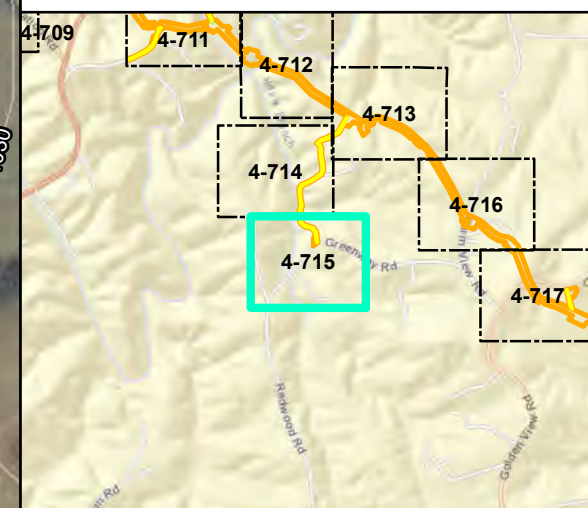
Legend

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

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 4-715
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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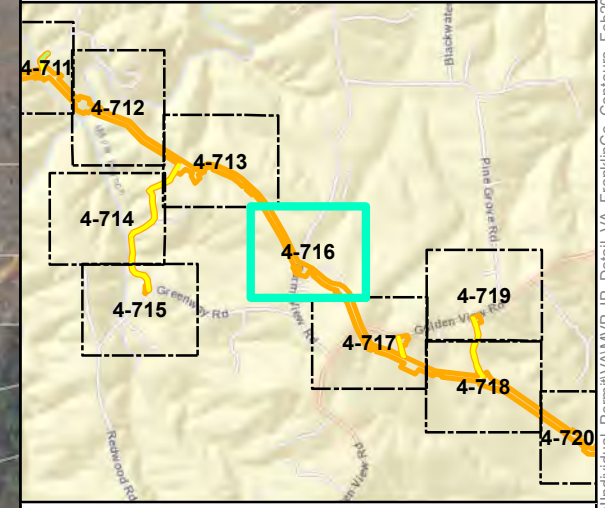
Legend

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

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 4-716
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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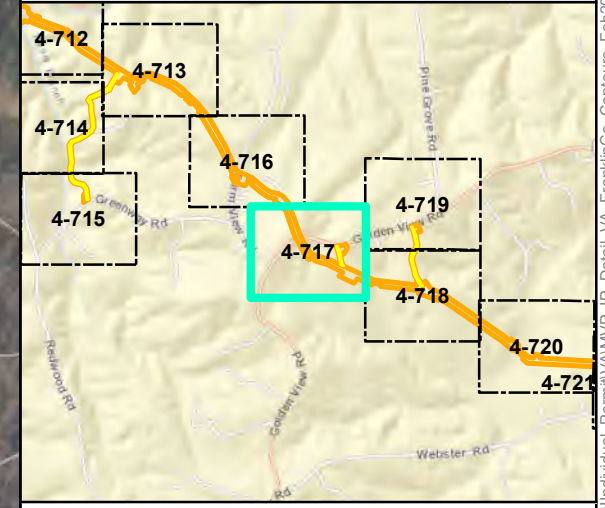
Legend

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

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

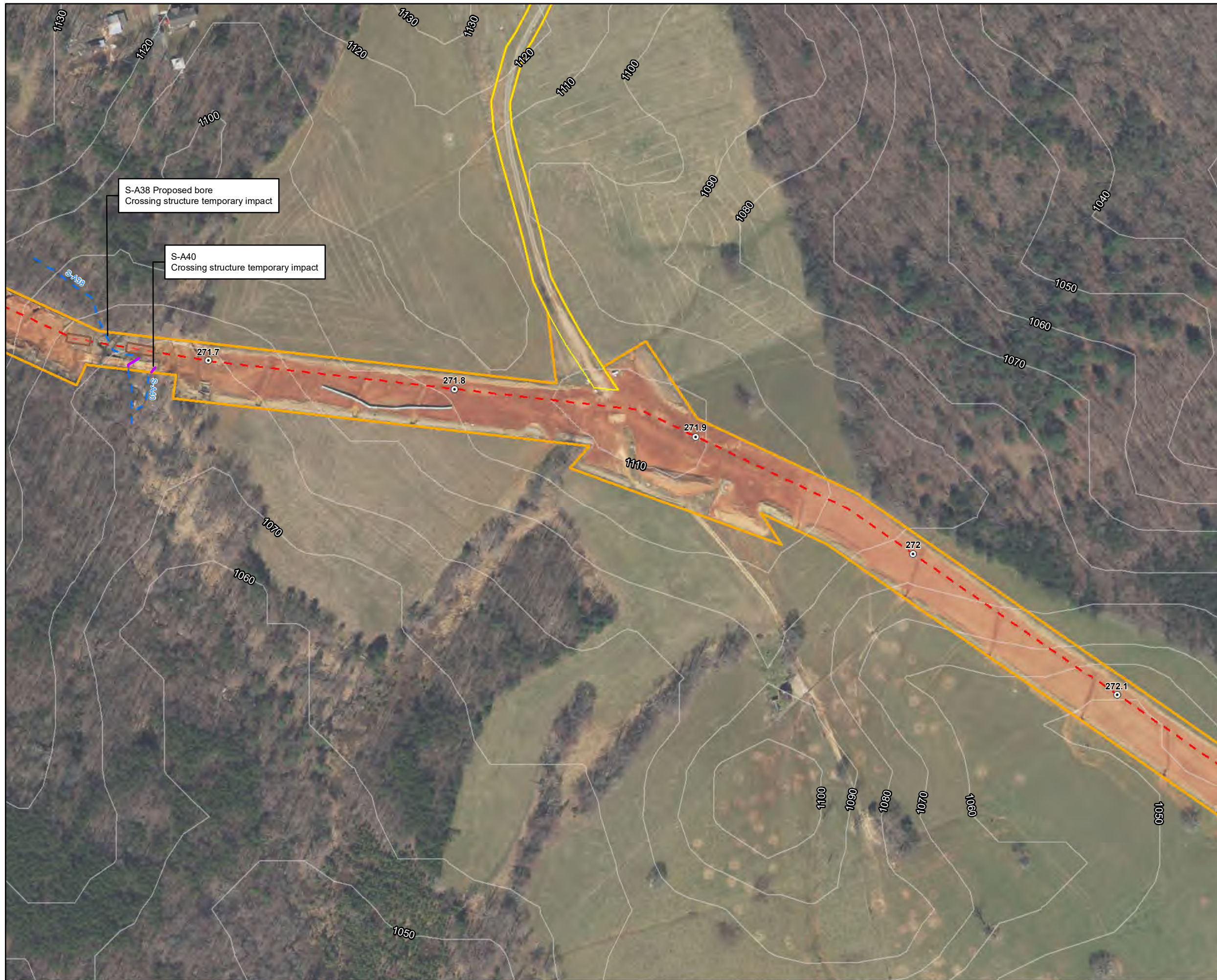
Detail Map
Individual Permit Application

Figure 4-717
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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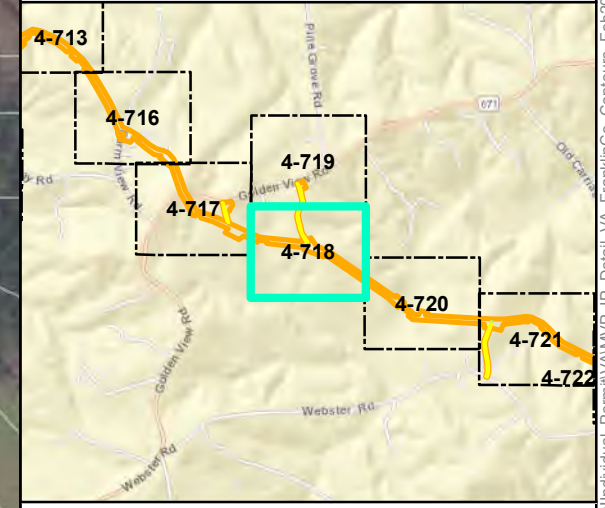
Legend

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

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 4-718
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N



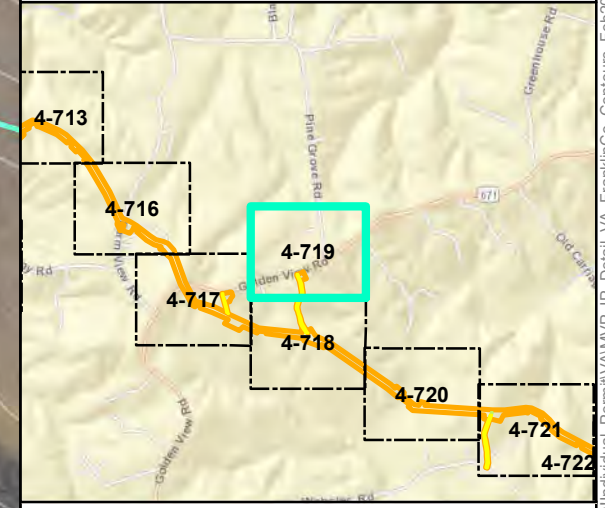
Legend

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

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 4-719
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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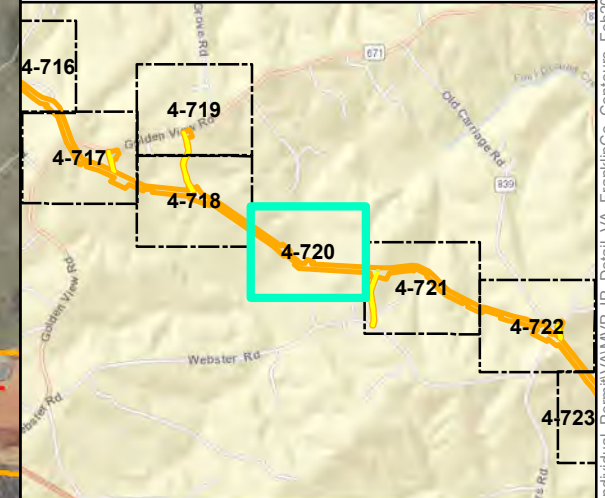
Legend

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

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

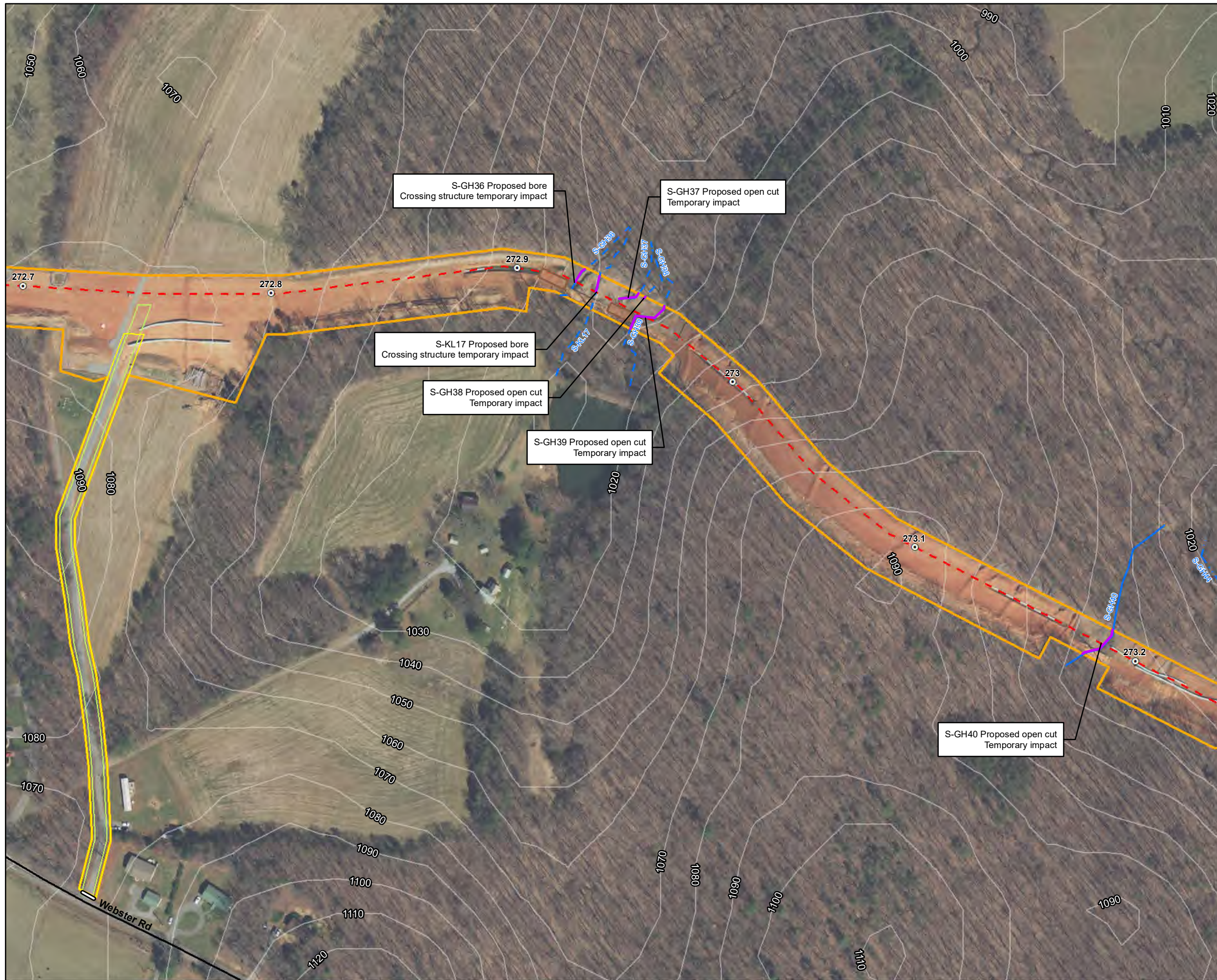
Detail Map
Individual Permit Application

Figure 4-720
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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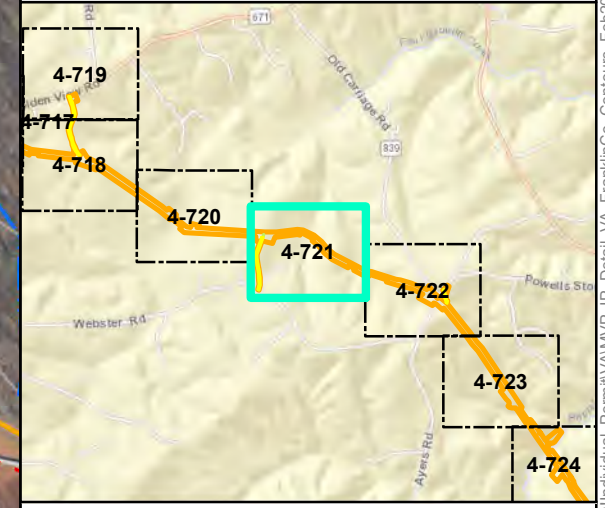
Legend

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

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 4-721
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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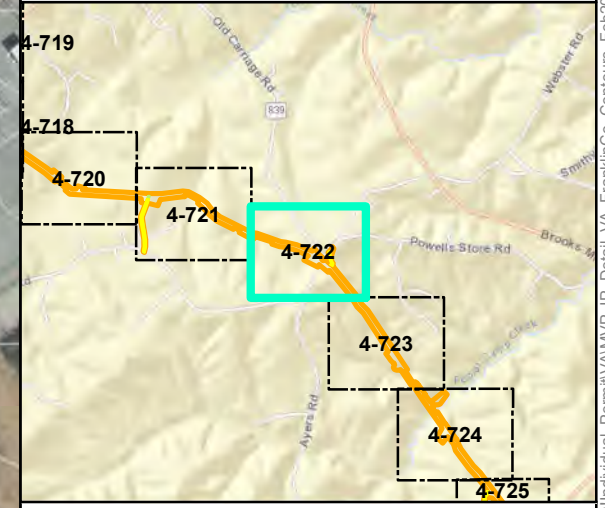
Legend

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

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

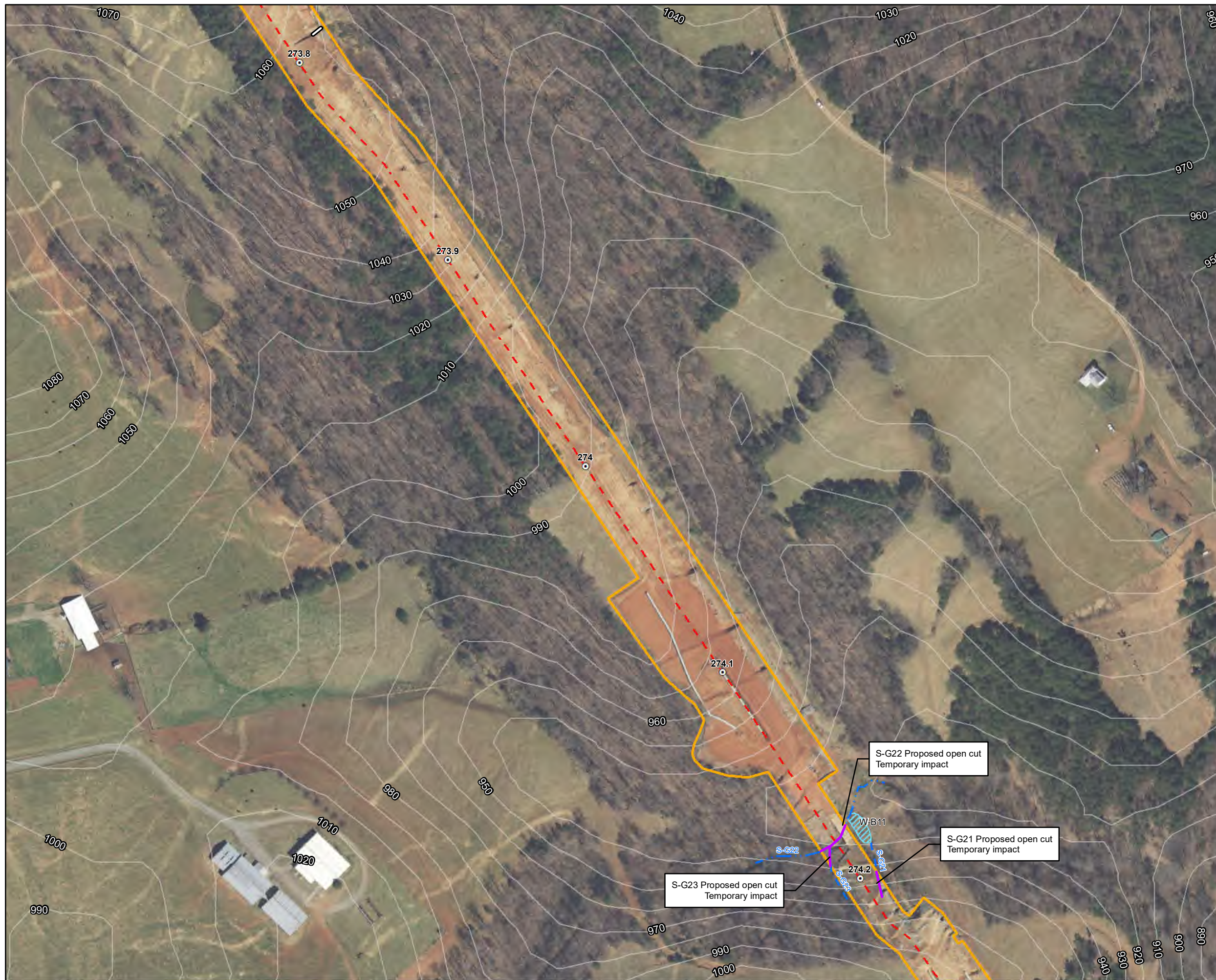
Detail Map
Individual Permit Application

Figure 4-722
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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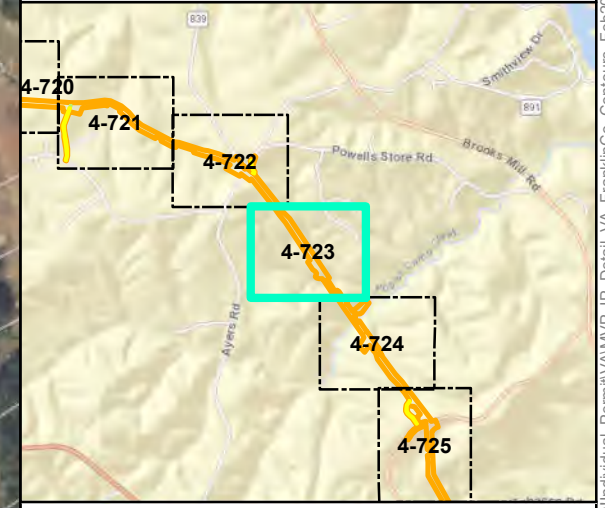
Legend

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

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 4-723
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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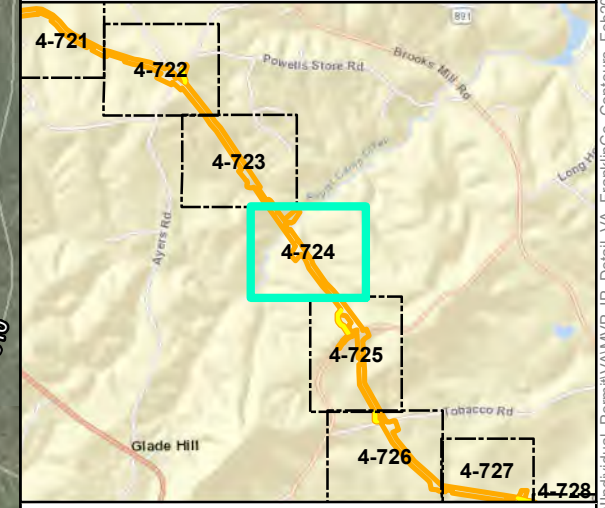
Legend

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

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 4-724
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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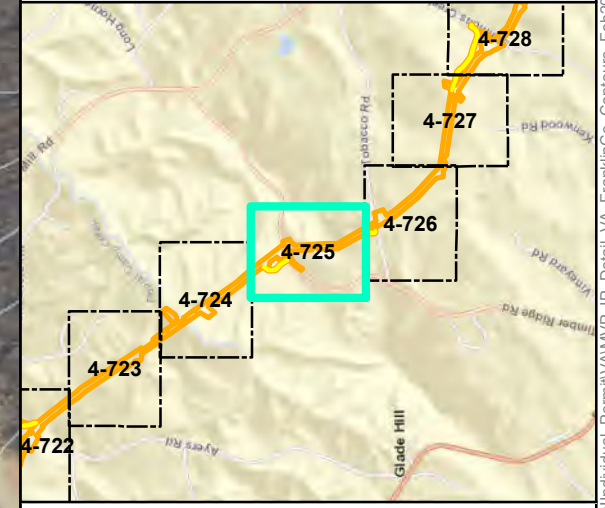
Legend

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

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

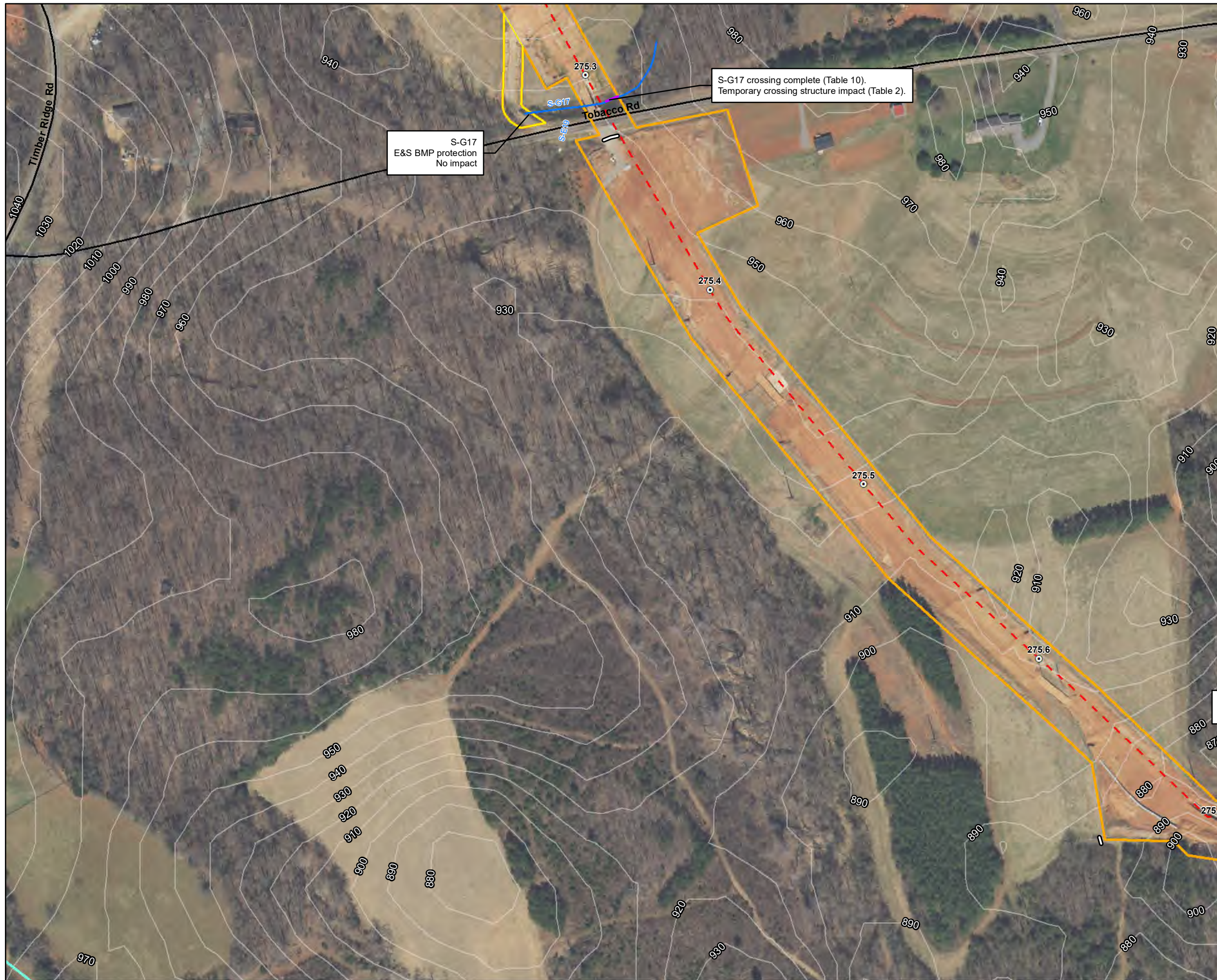
Detail Map
Individual Permit Application

Figure 4-725
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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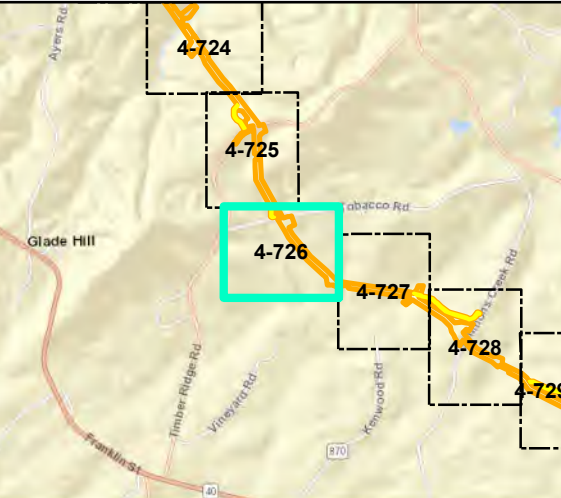
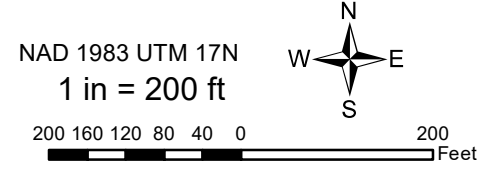
S-G17
E&S BMP protection
No impact

S-G17 crossing complete (Table 10).
Temporary crossing structure impact (Table 2).

Legend

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

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 4-726
Franklin County, Virginia
February 2021

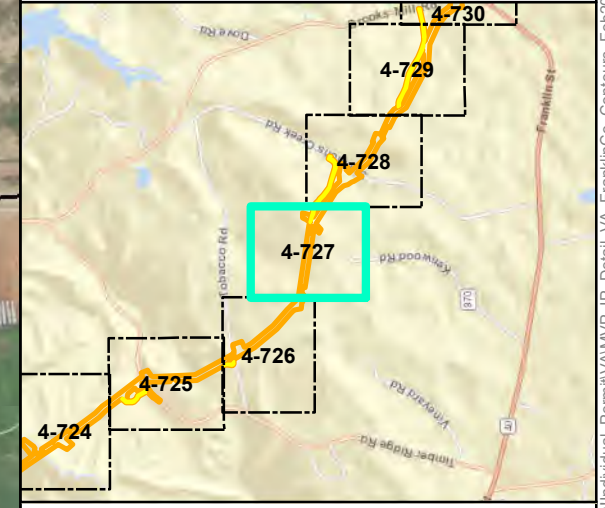
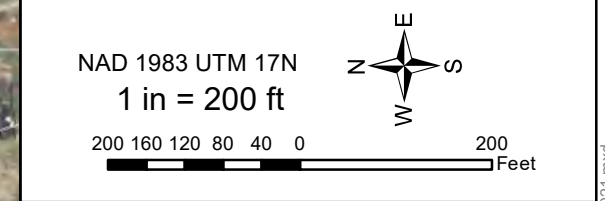
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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

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 4-727
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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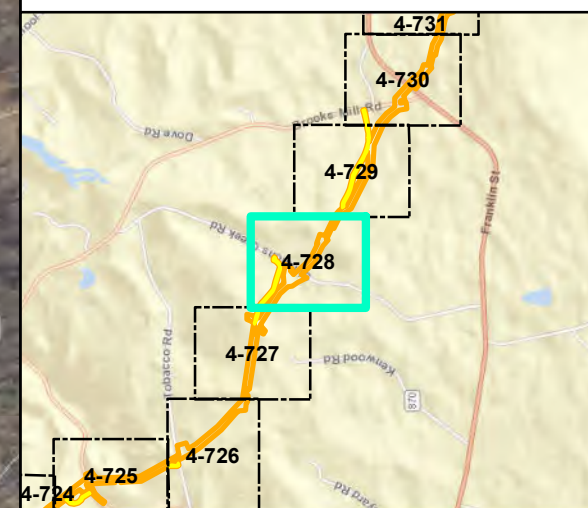
Legend

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

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 4-728
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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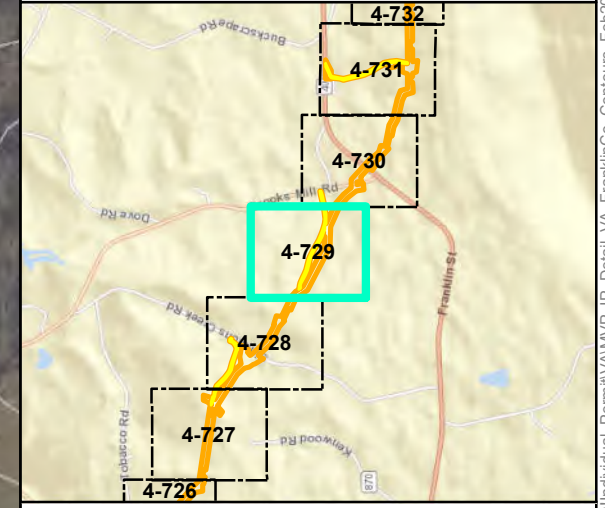


Legend

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

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 4-729
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

Document Path: PGH \tts01\01s2\GIS\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_L_Permit\AMVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd



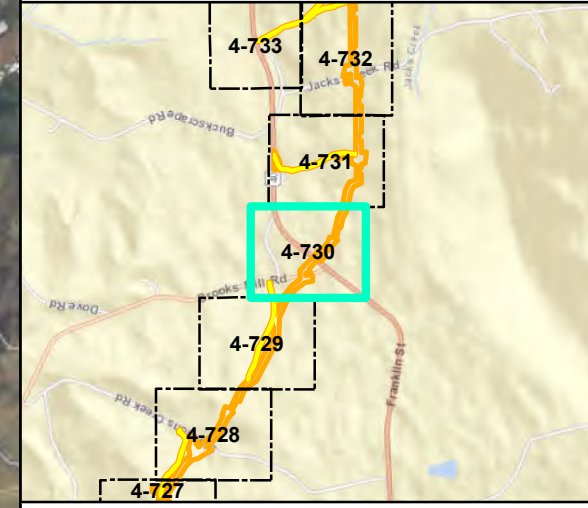
Legend

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

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

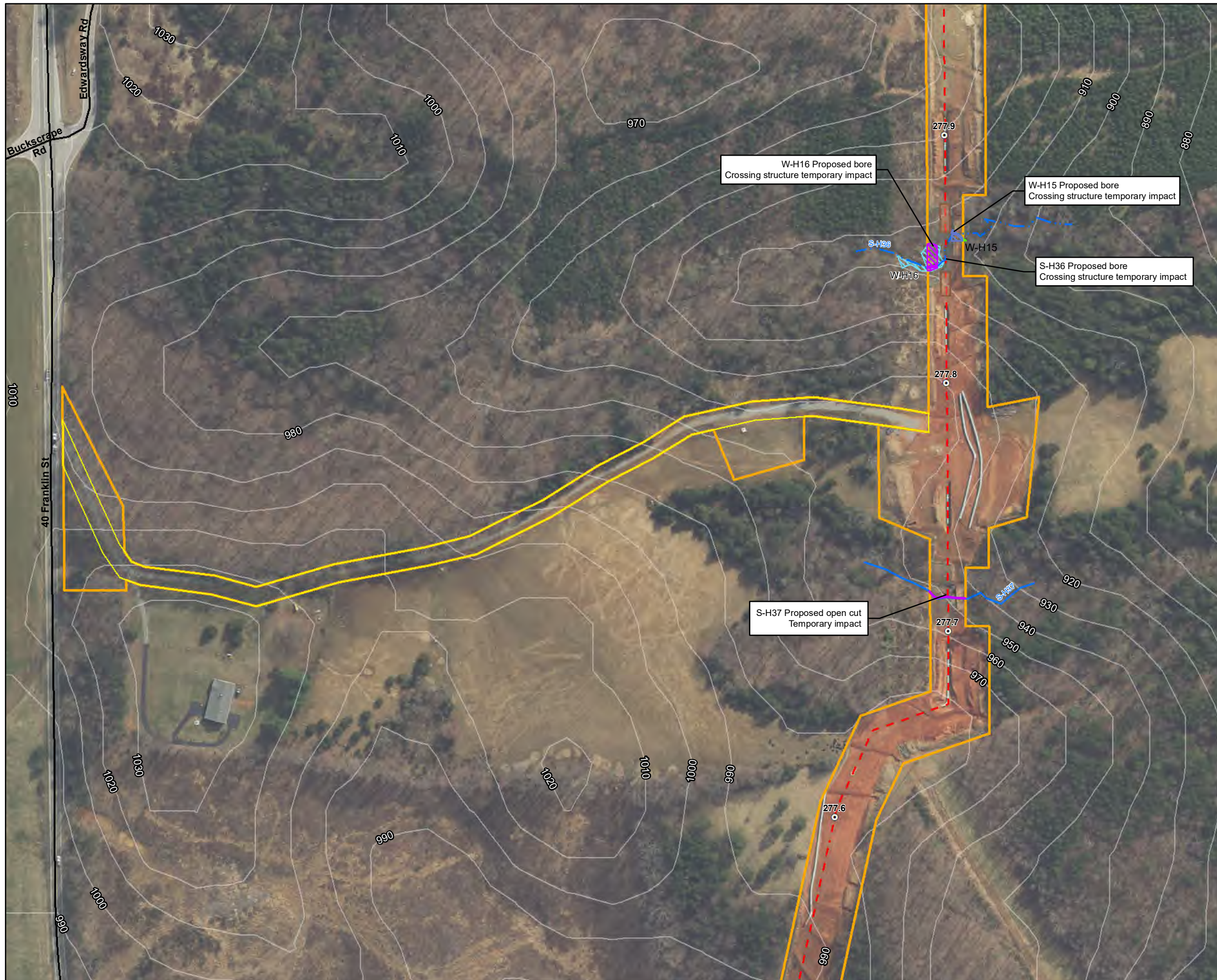
Detail Map
Individual Permit Application

Figure 4-730
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

Document Path: PGH \tts01\052\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\VA_MVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd

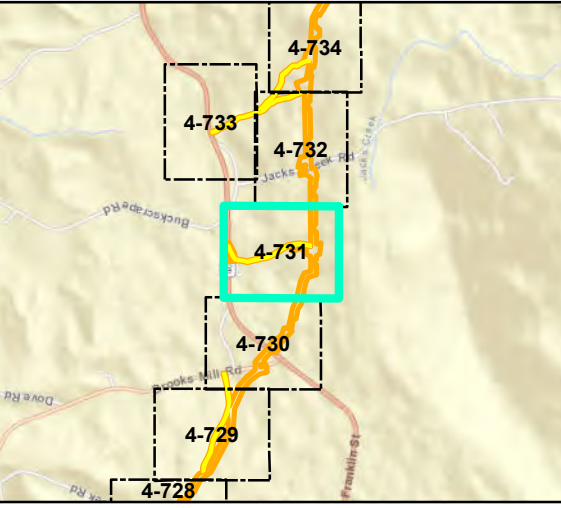


Legend

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

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 4-731
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

Document Path: PGH \tts01\01s2\GIS\GIS\EQT_MVP\Mapdocs\Wetlands\Individual_Permit\AMVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd



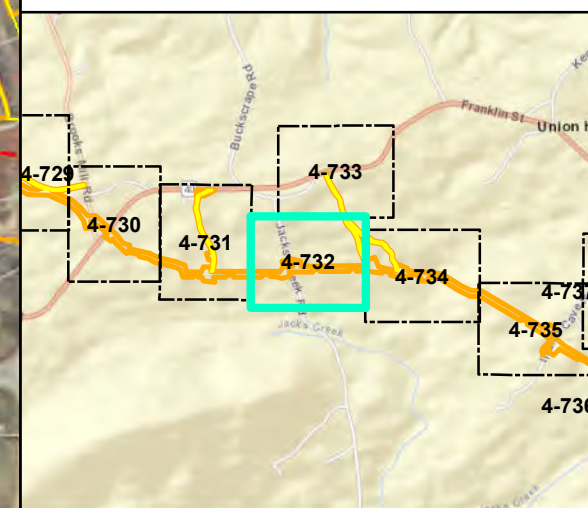
Legend

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

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 4-732
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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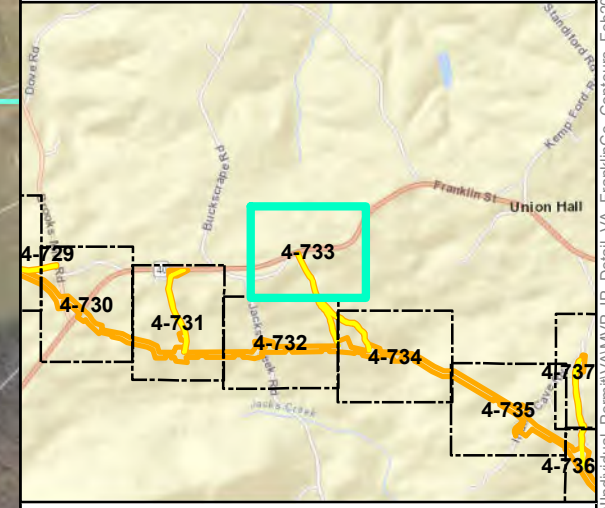
Legend

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

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

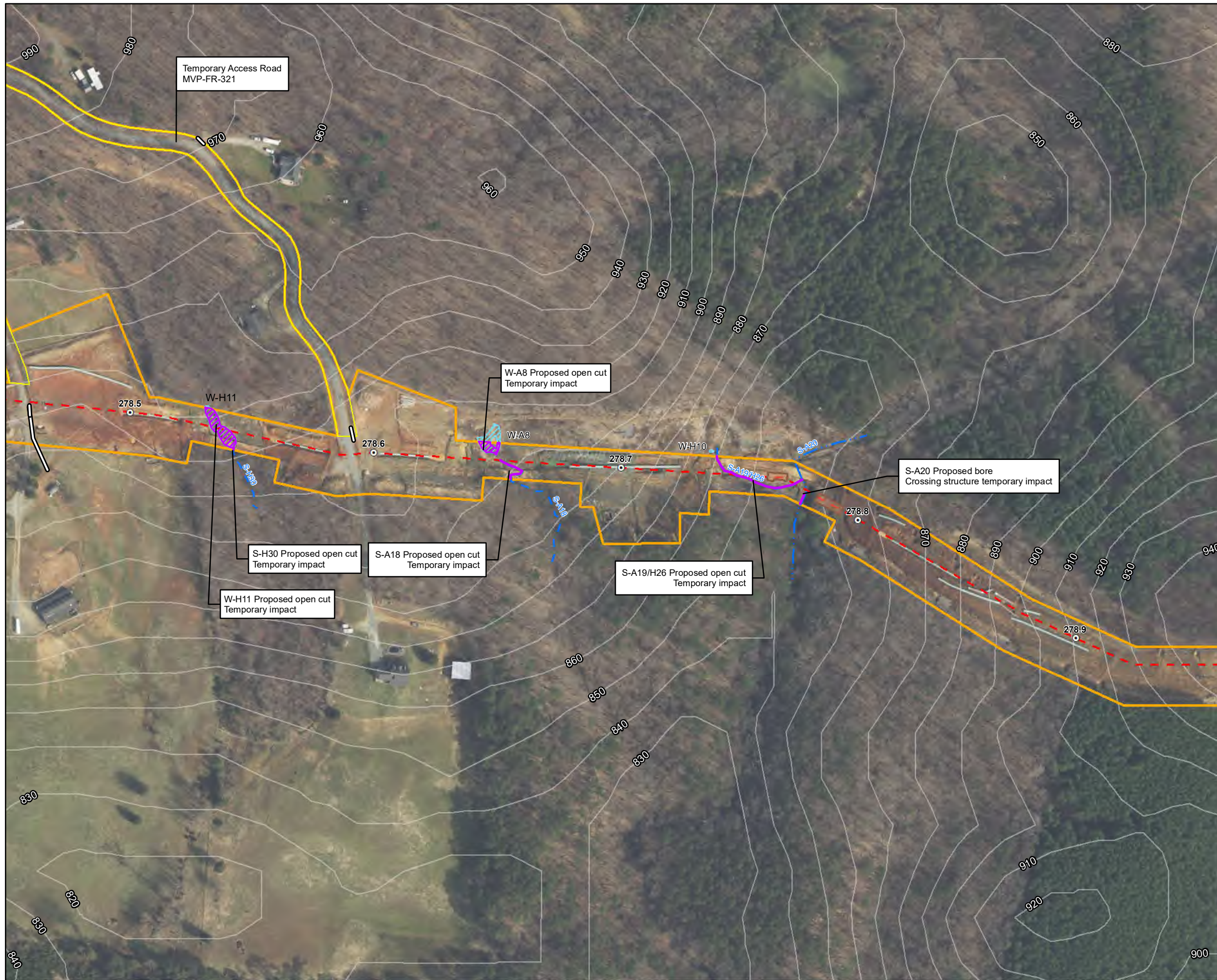
**Detail Map
Individual Permit Application**

Figure 4-733
Franklin County, Virginia

February 2021

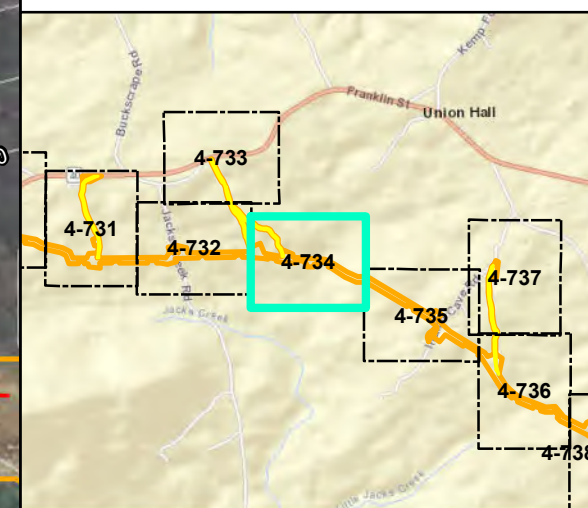
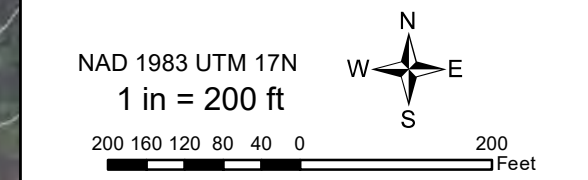
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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

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 4-734
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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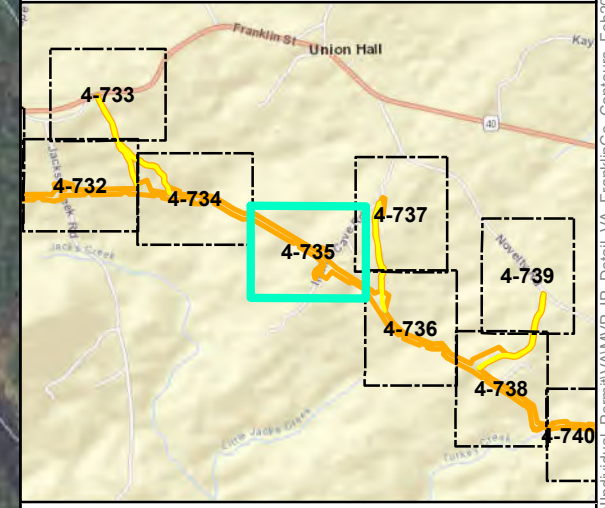
Legend

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

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 4-735
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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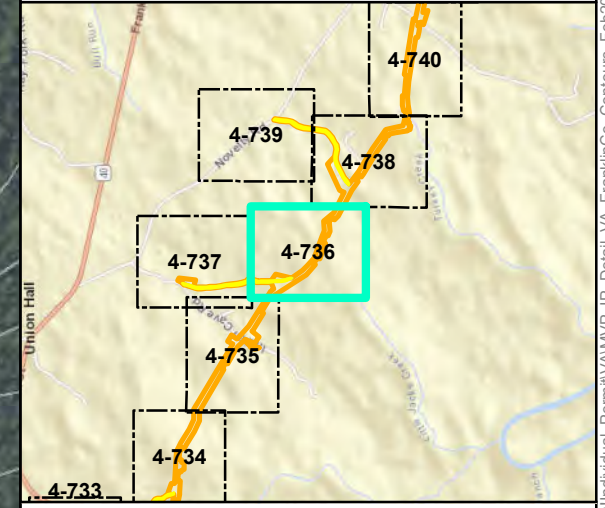
Legend

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

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 4-736
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

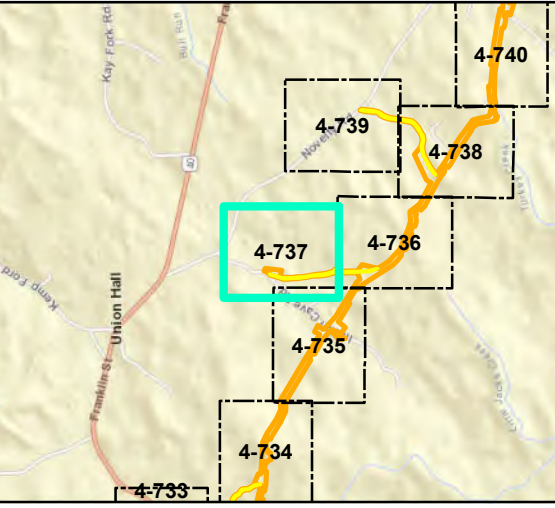
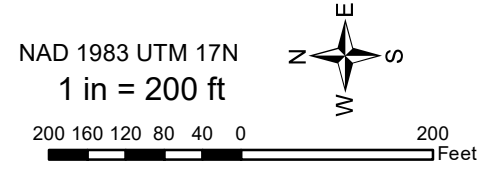
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Legend

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

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 4-737
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N



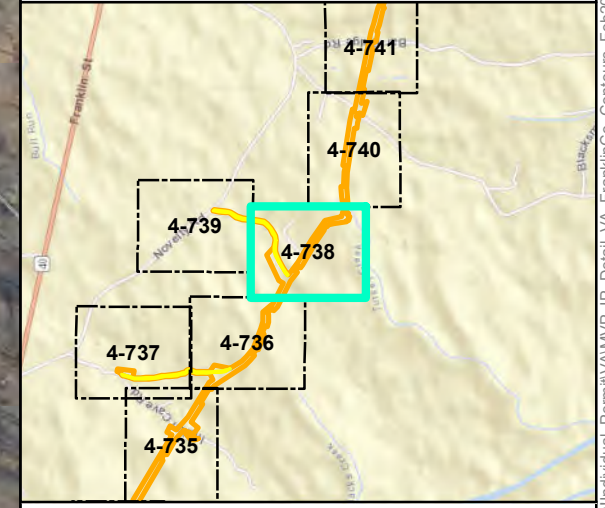
Legend

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

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 4-738
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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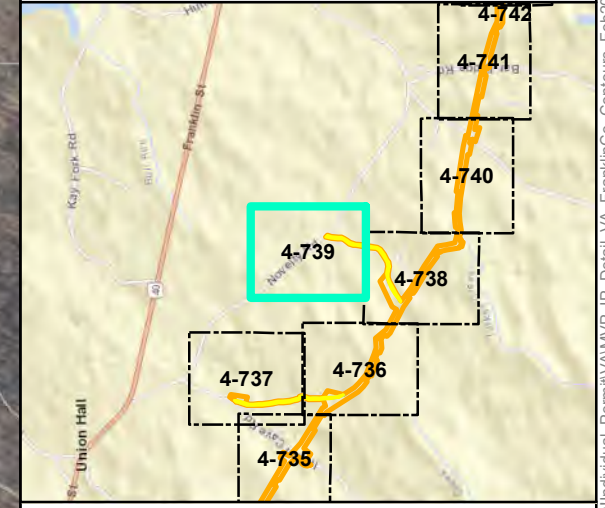
Legend

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

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

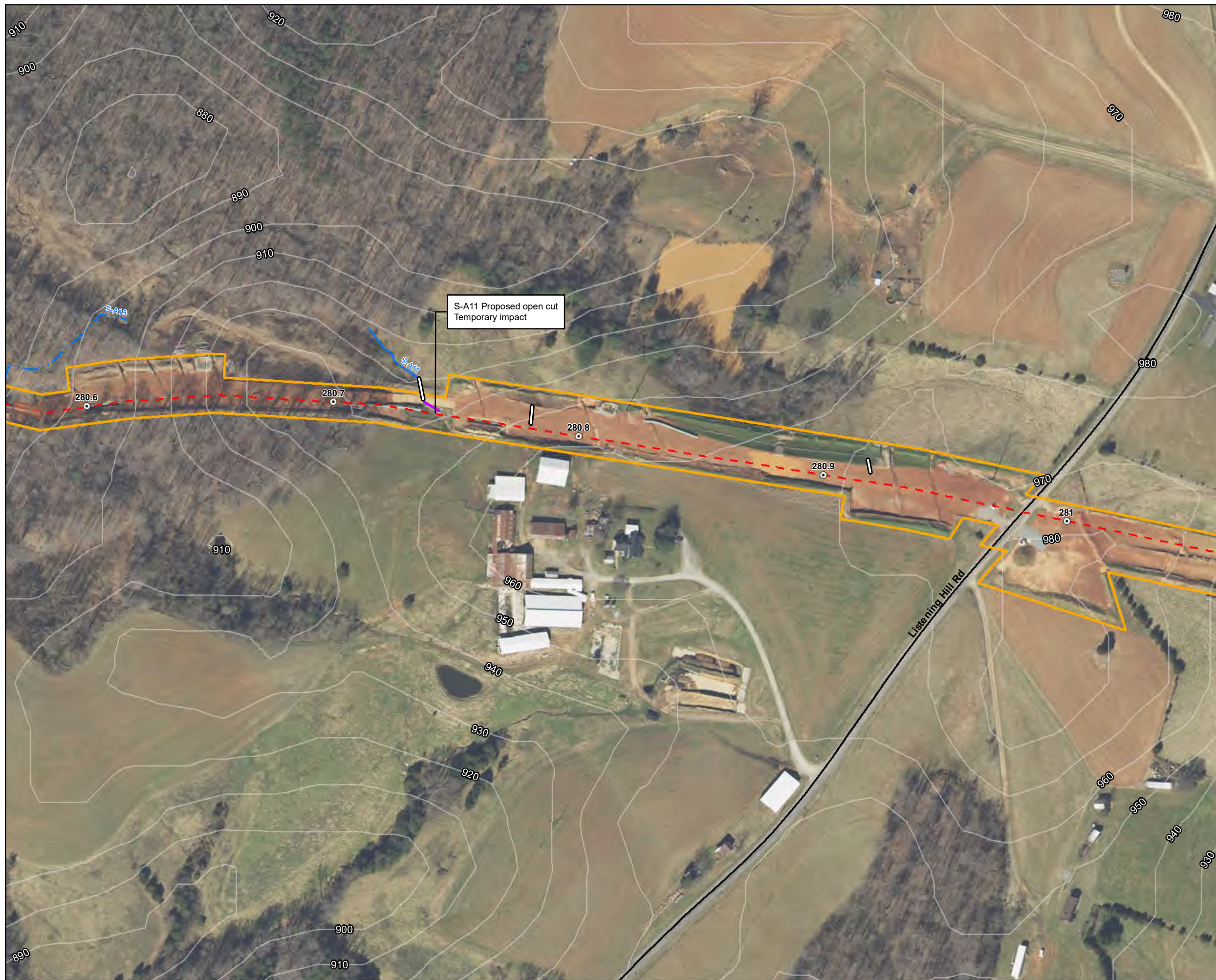
**Detail Map
Individual Permit Application**

Figure 4-739
Franklin County, Virginia

February 2021

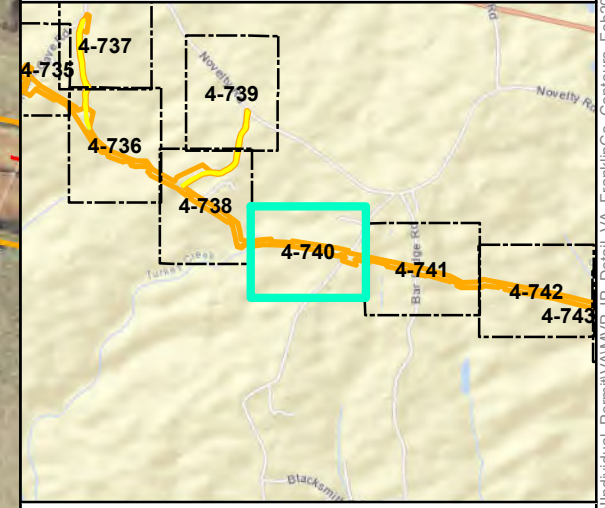
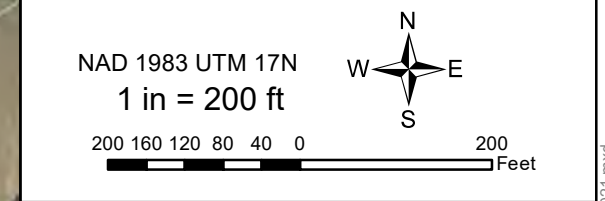
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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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
 - ▬ Ephemeral
 - ▬ Perennial
 - ▨ Pond
 - Wetland
 - ▨ Palustrine Forested
 - ▨ Palustrine Emergent
 - ▨ Palustrine Scrub-Shrub
 - ▬ Stream Impact
 - ▬ Temporary
 - ▬ Permanent
 - Wetland Impact
 - ▨ Temporary
 - ▨ Conversion
 - ▨ Permanent Fill

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 4-740
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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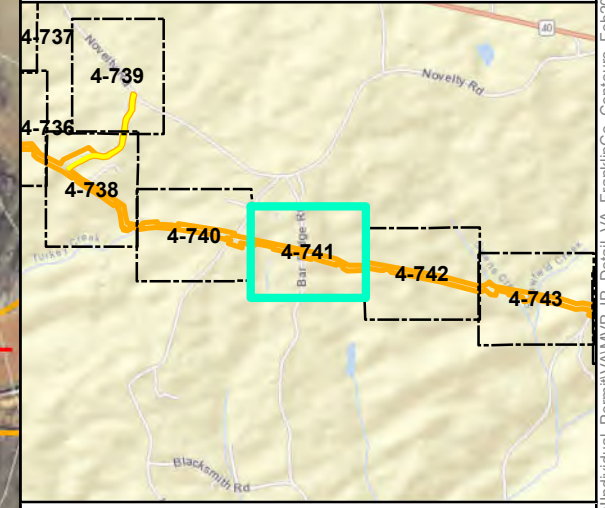
Legend

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

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 4-741
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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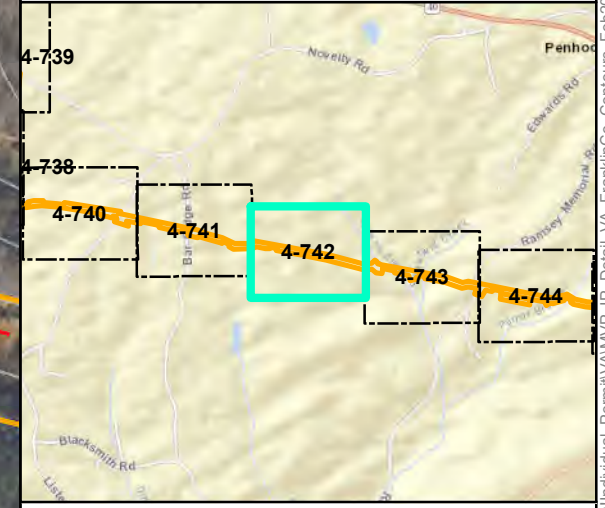
Legend

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

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 4-742
Franklin County, Virginia

February 2021

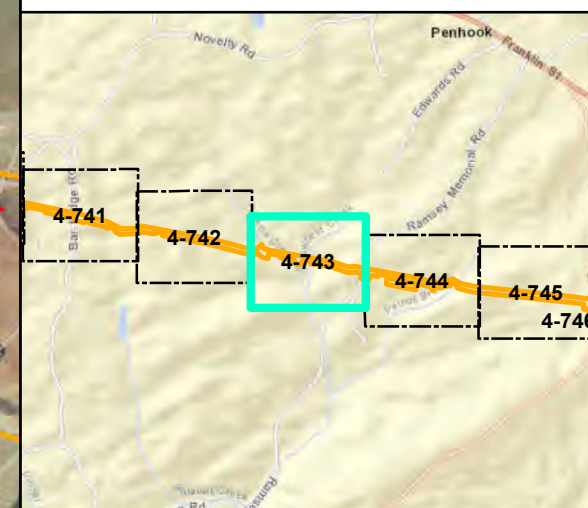
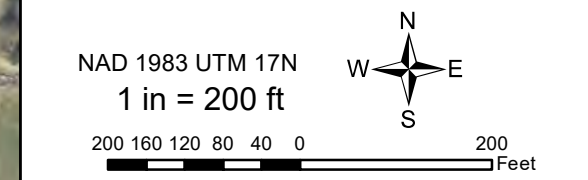
Data Sources: ESRI Streaming Data 2014. Elevation data derived from LiDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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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
 - Ephemeral
 - · · Perennial
 - ▨ Pond
 - Wetland
 - ▨ Palustrine Forested
 - ▨ Palustrine Emergent
 - ▨ Palustrine Scrub-Shrub
 - Stream Impact
 - Temporary
 - Permanent
 - Wetland Impact
 - ▨ Temporary
 - ▨ Conversion
 - ▨ Permanent Fill

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



Mountain Valley Pipeline Project

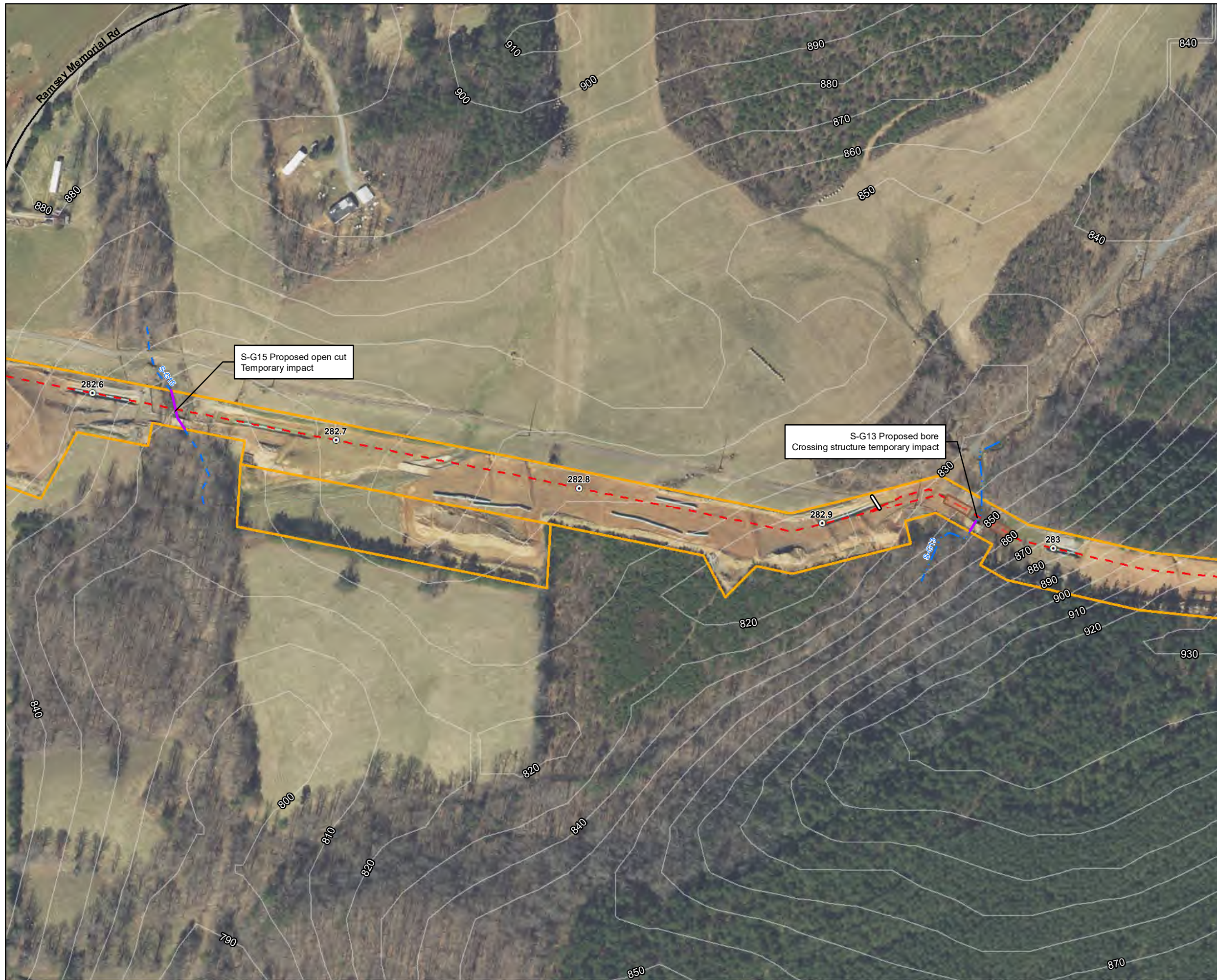


**Detail Map
Individual Permit Application**

Figure 4-743
Franklin County, Virginia
February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

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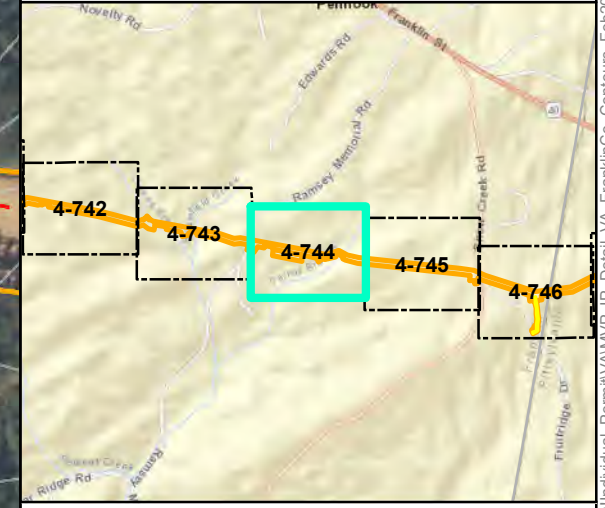
Legend

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

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 4-744
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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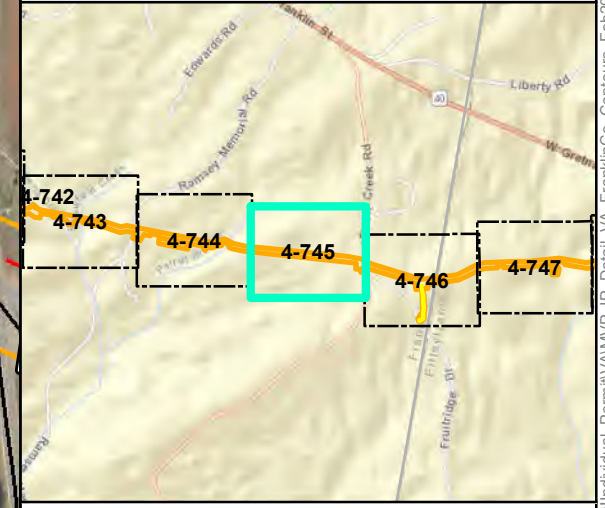
Legend

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

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 4-745
Franklin County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files. Map Projection: NAD 1983 UTM 17N

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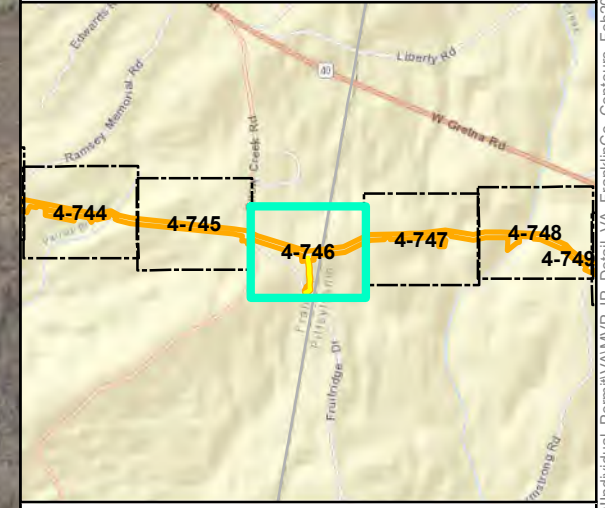
Legend

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

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 4-746
Franklin/Pittsylvania County, Virginia

February 2021

Data Sources: ESRI Streaming Data 2014. Elevation data derived from LIDAR provided by EQT 2016 and from Radford University DEM files.
Map Projection: NAD 1983 UTM 17N

Document Path: P:\GIS\01\GIS\EQT\MVP\Mapdocs\Wetlands\Individual_Permit\WMMVP_IP_Detail_VA_FranklinCo_Contours_Feb2021.mxd