

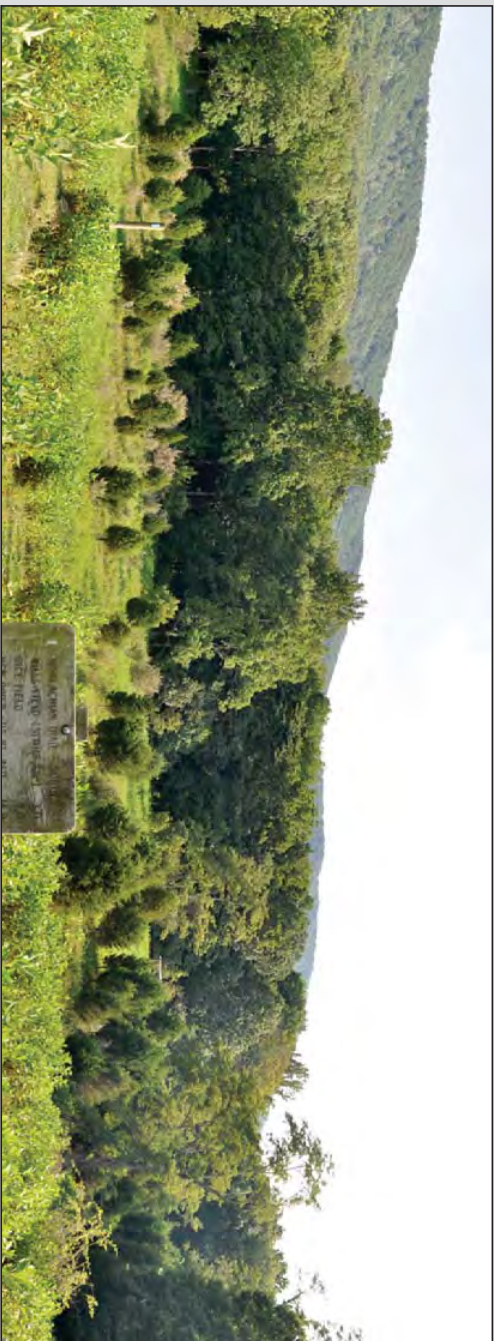
APPENDIX S

Visual Simulations

APPENDIX S-1

Visual Simulations

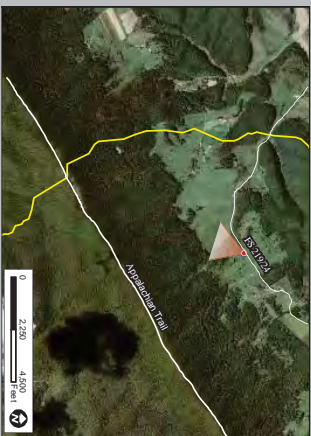
Mountain Valley Project



Existing Condition



Proposed Condition - Pipeline right-of-way crossing Peters Mountain



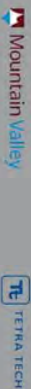
Legend

- Viewing Location/Direction
- Proposed Pipeline

Photograph Information

Time of photograph: 3:37 PM
Date of photograph: 8.5.2015
Weather condition: Mostly Sunny
Viewing direction: Southwest
Latitude: 37°25'24.73"N
Longitude: 80°40'35.06"W
Photo Location: Sugar Camp Farm Trailhead, Monroe County, WV. Photo taken from the trailhead located approximately 2 miles south of Lindside, WV off of Forest Service Road 219/24.

Mountain Valley
Pipeline Project







Existing Condition



Proposed pipeline route alignment crossing Craig Creek Road

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 11:02 AM

Date of photograph: 8.7.2015

Weather condition: Cloudy

Viewing direction: Southwest

Latitude: 37°18'51.03"N

Longitude: 80°24'18.09"W

Photo Location: Jefferson National Forest,
Montgomery County, VA. Photo taken from along Craig
Creek Road, approximately 3.8 miles northeast of U.S.
Highway 460.

Mountain Valley Pipeline Project





Existing Condition



Proposed Condition - Pipeline right-of-way alignment crossing the Blue Ridge Parkway



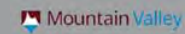
Legend

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 11:02 AM
 Date of photograph: 8.7.2015
 Weather condition: Cloudy
 Viewing direction: Northeast
 Latitude: 37° 7'36.69"N
 Longitude: 80° 7'27.27"W
 Photo Location: Blue Ridge Parkway, Roanoke County, VA. Photo taken from along the parkway approximately 1 mile south of Bent Mountain, VA.

Mountain Valley Pipeline Project







Existing Condition



Proposed Condition - Pipeline right-of-way crossing Brush Mountain



Legend

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 12:47 PM
 Date of photograph: 8.7.2015
 Weather condition: Cloudy
 Viewing direction: Southwest
 Latitude: 37°18'12.59"N
 Longitude: 80°23'40.08"W
 Photo Location: Brush Mountain in Jefferson National Forest, Montgomery County, VA. Photo taken 0.5 mile east of the Jefferson Forest Land/Prestron Forest Drive intersection.

Mountain Valley Pipeline Project





Proposed Condition - Pipeline right-of-way crossing the Appalachian Trail

Due to the subterranean method, conventional bore technology chosen for the Appalachian National Scenic Trail crossing, no pipeline facilities or right-of-way would be visible from this location.



Legend

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 12:47 PM

Date of photograph: 8.6.2015

Weather condition: Cloudy

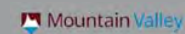
Viewing direction: Southwest

Latitude: 37°24'19.40"N

Longitude: 80°40'59.29"W

Photo Location: Appalachian Trail, Peters Mountain, Monroe County, WV and Giles, VA. Photo taken approximately 1.3 miles southwest of the Sugar Camp Farm Trailhead.

Mountain Valley Pipeline Project









Existing Condition



Proposed Condition - Pipeline right-of-way leading to the Bradshaw Compressor Station. The compressor station and associated communication tower are located on the top of the ridge and are screened by vegetation.



Legend

-  Viewing Location/Direction
-  Proposed Pipeline
-  Bradshaw Station - Limits of Disturbance
-  Bradshaw Station - Permanent Site Boundary

Photograph Information

Time of photograph: 2:50 PM
 Date of photograph: 2.16.2016
 Weather condition: Overcast
 Viewing direction: West
 Latitude: 39°31'55.81"N
 Longitude: 80°32'41.65"W
 Photo Location: Bradshaw Compressor Station, Wetzel County, WV. Photo taken from along County Road 7/8 approximately 2.5 miles northwest of Smithfield, WV. Photo taken near exiting resident.

Mountain Valley Pipeline Project







Existing Condition



Proposed Condition - Harris Compressor Station - yellow arrow indicates location of the communication tower.

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline
-  Harris Station - Limits of Disturbance
-  Harris Station - Permanent Site Boundary

Photograph Information

Time of photograph: 1:15 PM

Date of photograph: 2.17.2016

Weather condition: Cloudy/Light snow

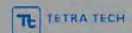
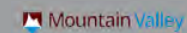
Viewing direction: Northeast

Latitude: 38°43'3.00"N

Longitude: 80°30'32.40"W

Photo Location: Harris Compressor Station, Braxton County, WV. Photo taken from residences located approximately 0.45 mile southwest of the proposed compressor station.

Mountain Valley Pipeline Project









Existing Condition



Proposed Condition - Stallworth Compressor Station - yellow arrow indicates location of the communication tower.

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline
-  Stallworth Station - Limits of Disturbance
-  Stallworth Station - Permanent Site Boundary

Photograph Information

Time of photograph: 9:25 AM

Date of photograph: 2.18.2016

Weather condition: Cloudy/Light snow

Viewing direction: Northeast

Latitude: 37°52'0.92"N

Longitude: 80°45'51.50"W

Photo Location: Stallworth Compressor Station,
Fayette County, WV. Photo taken from County Road
29, approximately 2 miles southeast of Spring Dale,
WV.

Mountain Valley Pipeline Project





Existing Condition



Proposed Condition - North Bend Trail



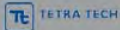
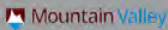
Legend

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 1:40 PM
 Date of photograph: 8.4.2015
 Weather condition: Sunny
 Viewing direction: Northwest
 Latitude: 39°17'23.87"N
 Longitude: 80°31'7.36"W
 Photo Location: North Bend Rail Trail, Harrison County, WV. Photo taken from the trail undernear State Highway 50 overpass, approximately 0.3 miles northeast of Bristol, WV.

Mountain Valley Pipeline Project







Existing Condition



Proposed Condition - Pipeline right-of-way alignment crossing the Tully Ridge near Interstate 79.

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 10:45 AM

Date of photograph: 2.17.2016

Weather condition: Cloudy/Light snow

Viewing direction: Southwest

Latitude: 38°55'2.16"N

Longitude: 80°34'8.82"W

Photo Location: Tully Ridge, Lewis County, WV. Photo taken from along westbound Interstate 79 approximately 6 miles northeast of Burnsville, WV.

Mountain Valley Pipeline Project





Existing Condition



Proposed Condition - Weston Gauley Turnpike - yellow line indicates approximate proposed pipeline right-of-way alignment, pipeline will be installed by horizontal bore at this location.

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 3:52 PM

Date of photograph: 8.4.2015

Weather condition: Sunny

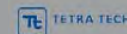
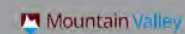
Viewing direction: Northwest

Latitude: 37° 7'36.69"N

Longitude: 80° 7'27.27"W

Photo Location: Weston Gauley Turnpike, Braxton County, WV. Photo taken from proposed access drive along the turnpike approximately 1.4 miles northeast of Fall Mills, WV.

Mountain Valley Pipeline Project







Existing Condition



Proposed pipeline route alignment at the Red Spring Mountain/Interstate 64 crossing.

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 10:20 AM

Date of photograph: 2.18.2016

Weather condition: Cloudy

Viewing direction: Southwest

Latitude: 37°50'27.89"N

Longitude: 80°44'48.54"W

Photo Location: Red Spring Mountain, Greenbrier County, WV. Photo taken from along Interstate 64, approximately 0.3 miles east of the unincorporated community of Lawn, WV.

Mountain Valley Pipeline Project



Existing Condition



Proposed Condition - Greenbrier River



Viewing Location/Direction

Proposed Pipeline

Photograph Information

Time of photograph: 10:55 AM

Date of photograph: 8.9.2015

Weather condition: Sunny

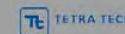
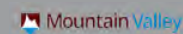
Viewing direction: Southwest

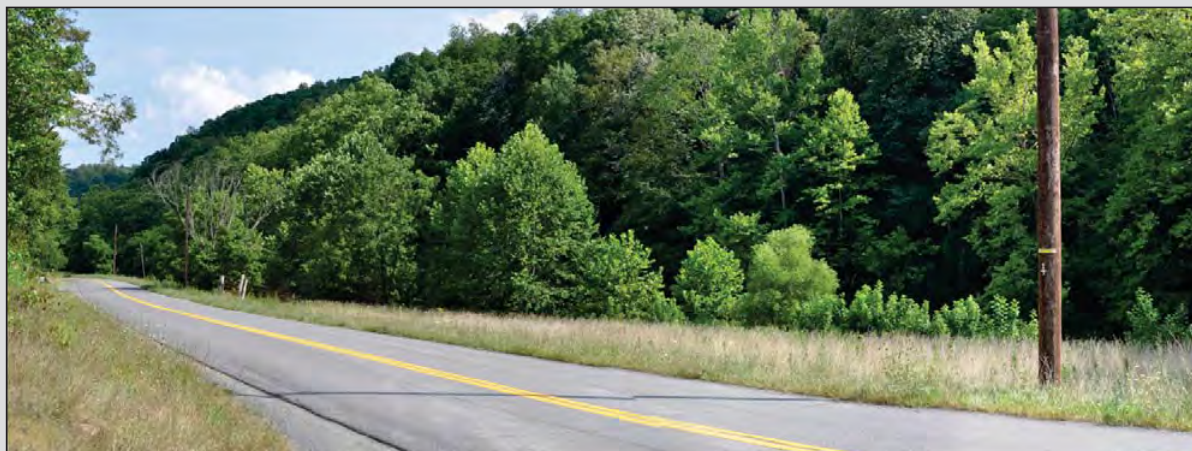
Latitude: 37°40'56.16"N

Longitude: 80°43'46.40"W

Photo Location: Greenbrier River, Summers County, WV. Photo taken from along State Highway 3, approximately mile northeast of Pence Springs, WV.

Mountain Valley Pipeline Project







Existing Condition



Proposed Condition - Pipeline right-of-way alignment crossing Farm Heritage Road

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 2:44 PM

Date of photograph: 8.5.2015

Weather condition: Sunny

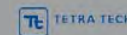
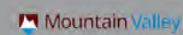
Viewing direction: Southeast

Latitude: 37°33'17.31"N

Longitude: 80°42'39.47"W

Photo Location: Farm Heritage Road, Monroe County, WV. Photo taken from along Farm Heritage Road approximately 1.8 miles northwest of Greenville, WV.

Mountain Valley Pipeline Project







Existing Condition



Post Construction - Pipeline right-of-way alignment crossing Mountain Shadow Trail

**Legend**

 Viewing Location/Direction

 Proposed Pipeline

Photograph Information

Time of photograph: 3:25 PM

Date of photograph: 8.5.2015

Weather condition: Sunny

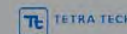
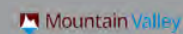
Viewing direction: Southeast

Latitude: 37°25'9.61"N

Longitude: 80°41'45.26"W

Photo Location: Mountain Shadow Trail, Monroe County, WV. Photo taken from along County Road 219/24 approximately 6 miles east of Peterstown, WV.

Mountain Valley Pipeline Project






Existing Condition



Proposed Condition - Roanoke River

**Legend**

 Viewing Location/Direction

 Proposed Pipeline

Photograph Information

Time of photograph: 2:25 PM

Date of photograph: 8.7.2015

Weather condition: Sunny

Viewing direction: Northwest

Latitude: 37°13'59.51"N

Longitude: 80°11'52.62"W

Photo Location: Roanoke River, Montgomery County, WV. Photo taken from Lafayette Street, approximately 2 miles northeast of Elliston, VA.

Mountain Valley Pipeline Project





Existing Condition



Proposed Condition - Pipeline right-of-way crossing Blackwater River

**Legend**

 Viewing Location/Direction

 Proposed Pipeline

Photograph Information

Time of photograph: 4:01 PM

Date of photograph: 2.18.2016

Weather condition: Sunny

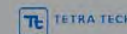
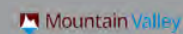
Viewing direction: Northwest

Latitude: 37° 2'51.45"N

Longitude: 79°49'7.72"W

Photo Location: Blackwater River B crossing, Franklin County, VA. Photo taken from residences located approximately 0.5 mile southeast of the river crossing. Photo location approximately 2 miles north of Redwood VA.

Mountain Valley Pipeline Project







Existing Condition



Proposed Condition - Pigg River - yellow line indicates approximate proposed pipeline right-of-way alignment,

**Legend**

-  Viewing Location/Direction
-  Proposed Pipeline

Photograph Information

Time of photograph: 10:29 AM

Date of photograph: 8.8.2015

Weather condition: Sunny

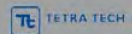
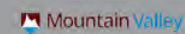
Viewing direction: Northwest

Latitude: 36°56'16.87"N

Longitude: 79°33'21.03"W

Photo Location: Greenbrier River, Pittsylvania County, VA. Photo taken from the intersection of County Roads 751 and 775, approximately 2 miles northeast of Museville, VA.

Mountain Valley Pipeline Project



APPENDIX S-2

Visual Simulations

Equitrans Expansion Project



Existing Condition



Proposed H-302 Tap Launcher and Receiver with access drive

**Legend**

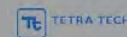
- H-302 Tap Launcher/Receiver Site Boundary
- ▲ Viewing Location/Direction
- Proposed Access Road

Photograph Information

Time of photograph: 10:05 AM
 Date of photograph: 2.16.2016
 Weather condition: Overcast/Light Snow
 Viewing direction: Southeast
 Latitude: 39°54'14.08"N
 Longitude: 80° 5'20.39"W
 Photo Location: Greene County, PA. Photo taken from along Ankrom Road near residences, approximately 3.0 miles east of I-79 near Morrisville, PA.

Equitrans Expansion Project

EQUITRANS





Existing Condition



Proposed Webster Interconnect Station and H-319 pipeline

**Legend**

- Webster Interconnect Site Boundary
- Proposed Pipeline
- ▶ Viewing Location/Direction
- Proposed Access Road

Photograph Information

Time of photograph: 2:20 PM
 Date of photograph: 2.16.2016
 Weather condition: Overcast/Light Snow
 Viewing direction: Southwest
 Latitude: 39°33'12.46"N
 Longitude: 80°32'41.37"W
 Photo Location: Wetzel County, WV. Photo taken from along County Road 80 just south of North Fork Road (County Road 15/17), approximately 4.0 miles north of Smithfield, WV.

Equitrans Expansion Project

EQUITRANS

 TETRA TECH