

MOUNTAIN VALLEY PIPELINE PROJECT
PHASE I SURVEY SUPPLEMENTAL INFORMATION
AND
CRITERIA OF EFFECTS REPORT: ADDENDUM 2

Montgomery and Roanoke Counties, Virginia

DOCKET NO. CP16-10
DHR FILE #2014 1194

Prepared for



555 Southpointe Boulevard
Canonsburg, Pennsylvania 15317

Prepared by



6 Century Drive, 3rd Floor
Parsippany, NJ 07054

June 2017

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Prepared for

**Mountain Valley Pipeline, LLC
555 Southpointe Boulevard
Canonsburg, Pennsylvania 15317**

Prepared by

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June 2017

ABSTRACT

This report designated *Phase I Survey Supplemental Information and Criteria of Effects Report: Addendum 2* presents additional information regarding Section 106 activities related to historic architectural resources that may be impacted by the Project. The information presented in this addendum is two-fold.

First, it provides supplemental information regarding Phase I historic architecture survey within the Area of Potential Effect within Montgomery and Roanoke Counties for the proposed Mountain Valley Pipeline in Virginia. Two properties—Barn and Crib (080-5677-0009) and Single Family Residence and Outbuildings (035-5136)—were newly identified and were not included in previous Phase I historic architecture reports. Neither of these two resources are recommended as eligible for National Register of Historic Places (NRHP) listing.

Secondly, this report serves as a second addendum to the *Mountain Valley Pipeline Criteria of Effects Report for Virginia*, and summarizes the results of the criteria of effects assessment for six NRHP-eligible properties not included in the original report. The Criteria of Adverse Effect were applied to six historic properties—Kent House (060-0290), Slusser Farm (060-0337), Climens House (060-0340), Martin House (060-0415), House (060-5178), and Henry-Waldron Cemetery (080-5690).

Tetra Tech established whether the Project would have an effect on each of the properties. If Tetra Tech analysis indicated that there would be an effect, then each of the seven Criteria of Adverse Effect was addressed. The analysis resulted in findings of “No Effect” and “No Adverse Effect” for these eligible properties.

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ACKNOWLEDGMENTS

Ms. Hannah Dye, MA, who served as Lead Architectural Historian and primary author for this Criteria of Effects assessment, exceeds the Secretary of Interior's *Professional Qualification Standards for History and Architectural History* (48 FR 44716, September 29, 1983). Ms. Sydne Marshall, Ph.D., RPA, facilitated coordination and review. New South Associates and SEARCH conducted the Phase I historic architecture survey in Virginia and prepared the Phase I survey reports.

Thanks to Geographic Information Systems (GIS) Project Coordinator Becca Stewart-Bermon, MPS, and GIS Analyst Aaron Wolf, BS, who worked closely in coordination with the Visual Resources team assembled for this effort comprised of: Robert Evans, ASLA (Visual Lead), Lori Davidson, RLA (Environmental Planner), Jeremy Mastroianni (Visualization Lead), and Carlos Caballero (Visualization Specialist).

A special thanks goes to the field team, led by Tara Low (Environmental Planner), who endured the terrain and the elements to collect locational data and field photography for the production of photograph simulations.

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1.0 INTRODUCTION

1.1 Project Overview

Mountain Valley Pipeline, LLC, a joint venture between affiliates of EQT Midstream Partners, LP, NextEra Energy, Inc., Con Edison Gas Midstream, LLC, WGL Holdings, Inc., and RGC Midstream, LLC, is seeking a Certificate of Public Convenience and Necessity from the Federal Energy Regulatory Commission (FERC) pursuant to Section 7(c) of the Natural Gas Act authorizing it to construct and operate the proposed Project located in 17 counties in West Virginia and Virginia. Mountain Valley Pipeline (MVP) plans to construct an approximately 303-mile, 42-inch-diameter natural gas pipeline to provide timely, cost-effective access to natural gas for use by local distribution companies, industrial users and power generation in the Appalachian, Mid-Atlantic, and southeastern markets.

Approximately 107 miles of the 303-mile pipeline will be constructed in Pittsylvania, Franklin, Roanoke (Floyd), Montgomery, Craig, and Giles Counties, Virginia (Figure 1.1-1). The pipeline is designed to transport up to 2.0 million dekatherms per day of natural gas and would require approximately 171,600 horsepower of compression at three compressor stations, one each located in Wetzel, Braxton, and Fayette Counties, West Virginia, as well as measurement, regulation, and other ancillary facilities along the route that are required for the safe operation of the pipeline.

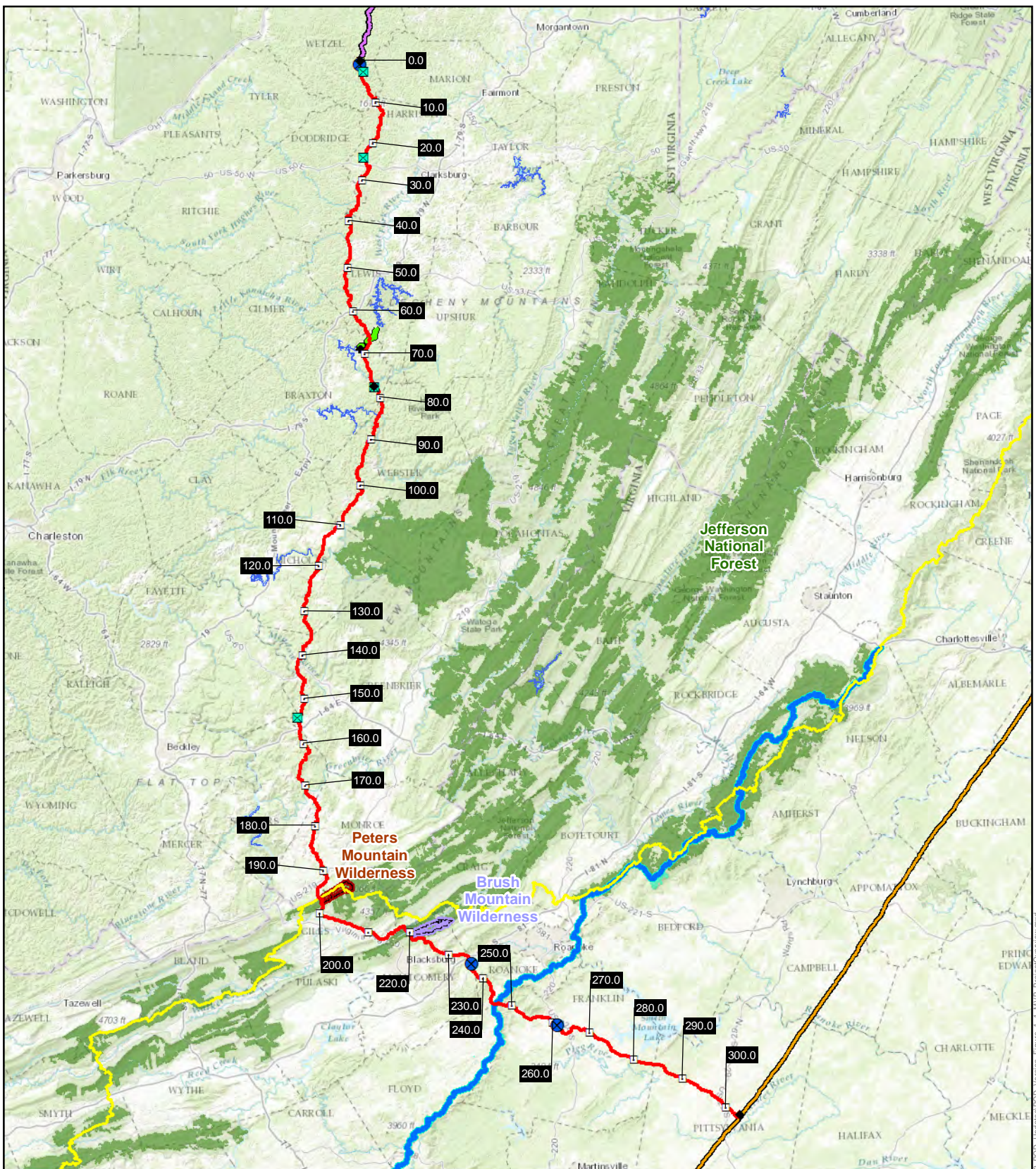
The FERC is the lead federal agency for compliance with the National Environmental Policy Act and Section 106 of the National Historic Preservation Act (NHPA). As a result, the FERC has been consulting with the Virginia Department of Historic Resources (VDHR), which serves as the State Historic Preservation Office (SHPO), to fulfill the requirements of Section 106. The Area of Potential Effects (APE) for the Project and the methods for determining the effects of the Project were defined in consultation with the VDHR. Additional information related to this consultation process is presented below in Section 3.1.

MVP's cultural resources consultants have been conducting surveys and effects evaluations for the proposed Project. This report focuses on eight resources located in Montgomery and Roanoke Counties, Virginia and serves as both an update to the Phase I survey reports and as an addendum to the *Mountain Valley Pipeline Criteria of Effects Report for Virginia* (Tetra Tech 2017) which is referred to throughout this report as the *Criteria of Effects Report* (Figure 1.1-2).

Two properties—Barn and Crib (080-5677-0009) and Single Family Residence and Outbuildings (035-5136)—were newly identified and were not included in previous Phase I historic architecture reports. Neither of these resources are recommended as eligible for National Register of Historic Places (NRHP) listing. The results of the additional Phase I survey including NRHP-eligibility recommendations are detailed in Appendices A and B.

Five of the eight resources were incorrectly indicated as being on lands under USFS jurisdiction in previous reporting and were noted as having a NRHP eligibility status of “Pending USFS” in the *Criteria of Effects Report*. Following consultation with the USFS, it was determined that the properties were not located on USFS property (Appendix H). These five resources include three

privately owned individual properties that are located within USFS administrative boundaries—Kent House (060-0290), Slusser Farm (060-0337), and House (060-5178); and, two privately owned properties—Climens House (060-0340) and Martin House (060-0415). It should be noted that Climens House (060-0340) and Martin House (060-0415) are located in areas which, as a result of Project modifications, are no longer within the APE. As noted in the *Criteria of Effects Report*, effect assessment for the Henry-Waldron Cemetery (080-5690) would be included in a subsequent addendum report; this is provided in Chapter 4 of this report along with the results of the Criteria of Effects assessment for the other five resources.



Mountain Valley Pipeline Project NAD 1983 UTM 17N 1:1,525,000 0 5 10 20 30 40 Miles

**Figure 1.1-1:
Project Overview**

February 2017

- Legend**
- ◆ Proposed Interconnect
 - ⊠ Proposed Compressor Station Location
 - ⊙ Proposed Tap Location
 - Milepost
 - Proposed Route
 - Existing Equitrans H-302 Line
 - Existing Transco Pipeline
 - Weston Gauley Turnpike Trail
 - Appalachian National Scenic Trail
 - Blue Ridge Parkway
 - ▨ Army Corps of Engineers Reservoir
 - ▭ Peters Mountain Wilderness
 - ▭ Brush Mountain Wilderness
 - ▭ U.S. Forest Service (National Forest) Lands
 - ▭ Blue Ridge Parkway National Park Service Lands



Data Sources: ESRI Streaming Data, 2014; Ventyx 2014; Appalachian Trail Conservancy, United States Department of Agriculture, National Park Service.

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Mountain Valley Pipeline Project

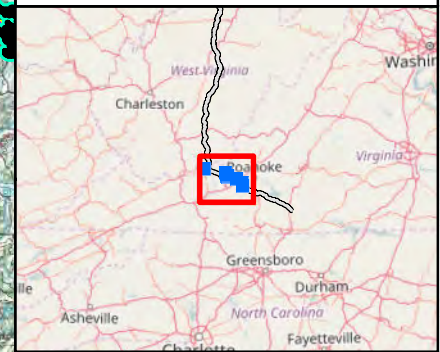


Figure 1.1-2
Historic Architectural Resource Location
Overview

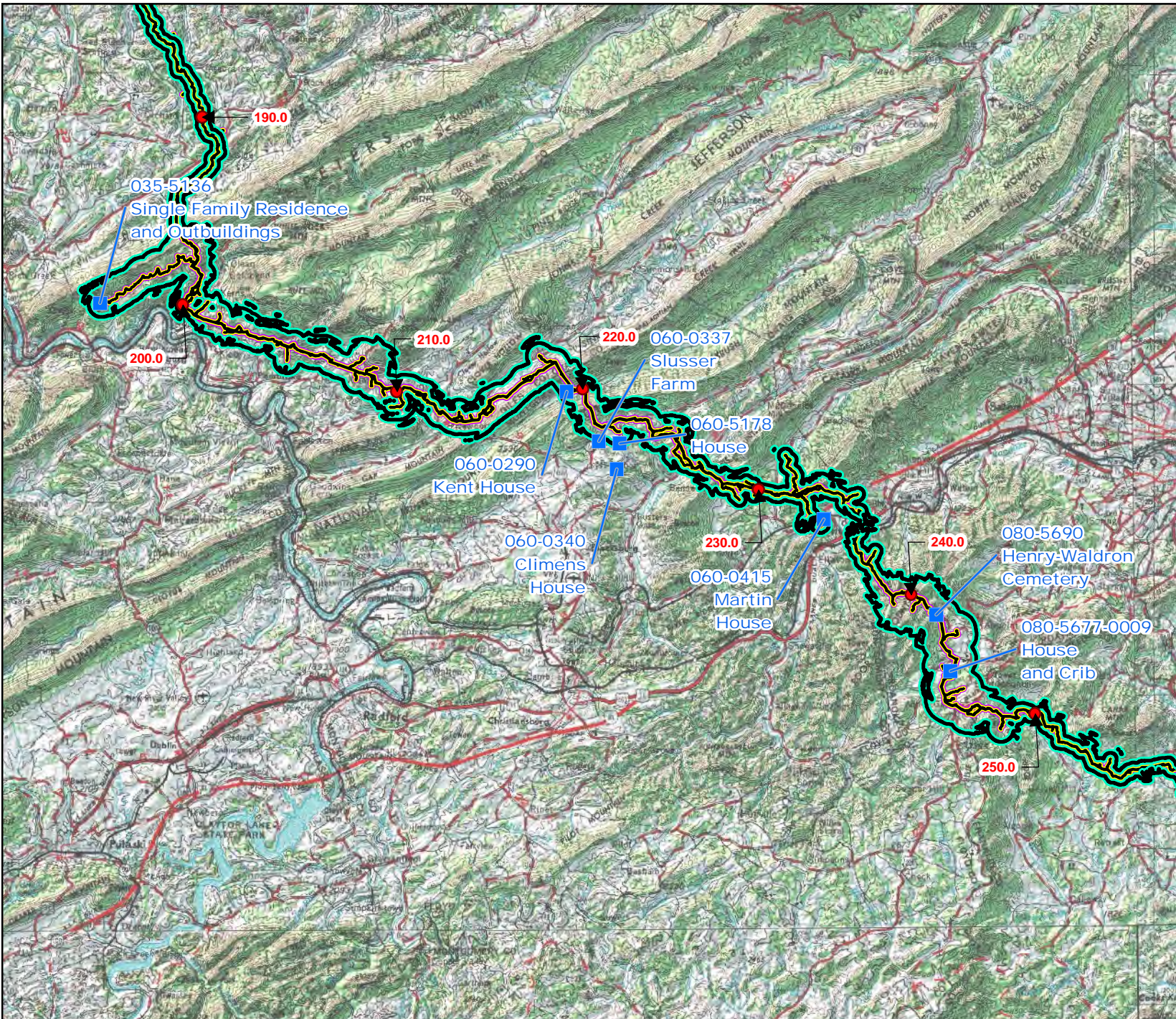
June 2017

Legend

- Milepost
- Historic Architectural Resource - Addendum 2
- ▭ MVP Indirect APE
- ▭ Limits of Disturbance
- ▭ MVP Direct APE



Data Sources: VDHR, USGS, ESRI, VADCR.



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1.2 Definition of Area of Potential Effects

An APE is defined in the regulations implementing Section 106 of the NHPA, 36 CFR 800.1(d) as *“The geographic area or areas that within which an undertaking may directly or indirectly cause changes in the character or use of historic properties, if any such properties exist. The APE is influenced by the nature and scale of an undertaking and may be different for different effects caused by the undertaking.”*

Prior to beginning the Phase I reconnaissance level architectural survey, NSA and Tetra Tech staff met with VDHR staff in Richmond on April 21, 2015, in order to develop an appropriate APE. It was agreed that the APE for historic architectural resources should comprise, at a minimum, a 450-foot corridor centered on the pipeline and that, in some areas, the APE should be expanded to take into account the longer viewing distances from which the pipeline corridor and facilities might be visible at higher elevations. As a result of these discussions and a subsequent digital elevation model (DEM) created by Tetra Tech, the APE was expanded up to one mile on either side of the pipeline in areas of higher elevation due to the possibility of distant views. The direct APE for the Project was defined at the outset of the Project as a 300-foot-wide corridor that would accommodate the actual construction right-of-way as well as workspace identified as project engineering and field surveys were completed.

The indirect APE developed for the Project was based on a DEM that accounted for topography and current land uses around the pipeline. The indirect APE took into consideration the longer viewing distances that exist at higher elevations, as well as the shorter viewing distances at lower elevations, resulting in an undulating indirect APE. In general, the indirect APE was narrower in the eastern counties and wider, in response to topography, in the westernmost counties of the Project route in Virginia. The bare-earth digital DEM did not factor in existing vegetation that could screen views of the Project in an effort to provide a “worst-case scenario” in terms of viewing conditions. In a May 20, 2015, letter, VDHR concurred that the indirect APE was appropriately defined and accurately reflected previous consultation (*Criteria of Effects Report-Appendix A*). Figure 1.1-2 illustrates the direct and indirect APEs for the Project as they relate to the eight resources evaluated and reported in this addendum.

2.0 PHASE I HISTORIC ARCHITECTURE SURVEY OF APE

New South Associates (NSA) and SEARCH, under contract to Tetra Tech, conducted Phase I reconnaissance-level architectural surveys for the proposed route of the MVP. In Virginia, the proposed route traverses Pittsylvania, Franklin, Roanoke, Montgomery, Craig and Giles counties. To date, the findings of the surveys have been presented in 10 Phase I architectural survey reports.

- *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Pittsylvania County, Virginia* (August 2015, VDHR concurrence: October 22, 2015)
- *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Franklin County, Virginia* (October 2015, VDHR concurrence: January 6, 2016)
- *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Craig and Giles Counties, Virginia* (March 2016, VDHR concurrence: May 25, 2016)
- *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Montgomery County, Virginia* (March 2016, VDHR concurrence: May 25, 2016)
- *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Roanoke County, Virginia* (March 2016, VDHR concurrence: May 25, 2016)
- *Addendum to the Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Craig and Giles Counties, Virginia: Supplemental Information* (June 2016, VDHR concurrence: August 4, 2016)
- *Addendum: Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Pittsylvania and Franklin Counties, Virginia* (June 2016, VDHR concurrence: August 4, 2016)
- *Phase I Architectural Combined Addendum Summary Report* (March 2017, VDHR concurrence: June 27, 2017)
- *Phase I Architectural Survey Letter Report in Reference to Resource 080-5677-0009* (June 2017, VDHR concurrence: pending)¹
- *Phase I Architectural Survey Letter Report in Reference to Resource 035-5136* (June 2017, VDHR concurrence: pending)²

2.1 Historic Architecture Survey Methods

Historic buildings, structures, objects, sites or districts meeting the NRHP 50-year age criterion identified during the Phase I reconnaissance-level survey were documented in accordance with VDHR's *Guidelines for Conducting Historic Resources Survey in Virginia*. Data collection included physical descriptions, locational data, photographs, and site plans for each resource. Resources identified during field survey were recorded in the online database Virginia's Cultural Resource Information System (V-CRIS). Phase I survey data informed subsequent work by identifying resources that may have potential to be eligible to the NRHP. Resources inaccessible

¹ See Appendix A.

² See Appendix B.

from public rights-of-way and within the direct APE were photo-documented by Tetra Tech’s archaeology field technicians. NSA used this information to create site records for these resources in V-CRIS; these resources were also recorded and evaluated in the Phase I survey reports.

2.2 Phase I Historic Architecture Survey Results

In total, two resources greater than 50 years of age were newly identified within the direct and indirect APEs in Montgomery and Roanoke counties and were not addressed in previous Phase I historic architecture reports—Barn and Crib (080-5677-0009) and Single Family Residence and Outbuildings (035-5136). The two architectural and historic resources surveyed were evaluated for their significance according to NRHP criteria, the historic contextual background information collected for this Project, and guidelines contained in *National Register Bulletin 15—How to Apply the National Register Criteria for Evaluation* (National Park Service 1998). In evaluating the surveyed architectural and historical resources, the architectural integrity of each was assessed. These properties are summarized in Table 2.2 and their locations are depicted in Figures 1.1-2. Descriptions and statements of significance for these resources are provided in Appendices A and B as noted in Table 2.2.

VDHR ID	Name	Historic District	Distance (ft) to Nearest Project Facility	NRHP Recommendation	County	Report
080-5677-0009	House and Crib	Bent Mountain Rural Historic District	32 and 141 Work Space Limits	Recommended Not Eligible	Roanoke	Appendix A
035-5136	Single Family Residence and Outbuildings	N/A	289 Access Road-Temporary Access Road	Recommended Not Eligible	Giles	Appendix B

3.0 CRITERIA OF EFFECTS ASSESSMENT

3.1 VDHR Correspondence and Meetings

In addition to providing direction regarding definition of the APE as described in Section 1.2, the VDHR staff provided guidance related to other aspects of the survey and criteria of effects assessment. The significant aspects of this guidance are summarized below. Full meeting minutes and other documents referenced below in Sections 3.1.1 and 3.1.2 are included in Appendix A of the *Criteria of Effects Report*.

3.1.1 Evaluation of Recorded Resources

Following completion of much of the Phase I survey, MVP and its cultural resources staff met with VDHR staff on January 12, 2016. At that meeting, MVP agreed to treat all of the potentially NRHP-eligible resources—including those resources that may potentially contribute to historic districts—as eligible for purposes of applying the Criteria of Adverse Effect and in complying with Section 106 of the NHPA. This approach eliminated the need for Phase II architectural evaluations since these require documentation of interior spaces and features which would not be feasible without full access to all of the subject properties within the APE.

3.1.2 Criteria of Effects Assessment

Also discussed at the January 12, 2016, meeting between MVP and VDHR staff were approaches to the criteria of effects assessment. At that meeting, visual effects were identified as having the potential to impact the largest number of historic properties because of the aerial extent of the APE related to visual effects. Other effects, including those directly related to construction or post-construction operation of MVP, were recognized as possible but much more limited in geographical scope.

During a telephone conversation August 8, 2016, between VDHR staff and MVP, VDHR requested that MVP compile a list of known NRHP-eligible and -listed historic architectural resources within the direct and indirect APE in Virginia to be submitted to VDHR together with a scope for the evaluation of potential impacts on historic resources in the list. Following the meeting, Tetra Tech developed a document entitled *Methods for Historic Architecture Criteria of Effects Assessment for Virginia (Methods)* which was submitted to the VDHR for review and comment on September 22, 2016 (*Criteria of Effects Report-Appendix C*). A list of known NRHP-eligible and -listed historic architectural resources within the Project's direct and indirect APE in Virginia (Master List)—including the seven NPS-managed historic properties—was submitted as an appendix to the *Methods* and updated for the *Criteria of Effects Report – Appendix E*. Additional information related to the proposed assessment methods is presented in the *Criteria of Effects Report –Section 3.0*. Note that a revised Master List is included in this document as Appendix C.

On October 19, 2016, VDHR indicated that it “supports the methods presented in the document” prepared by Tetra Tech and further noted that the Master List “appears complete based on the studies to date.” MVP met with VDHR staff at VDHR offices in Richmond on November 15,

2016, to discuss MVP's progress in implementing the tools of analysis described in the Methods. At the meeting, VDHR requested that MVP submit the reporting for the results of the impact analyses in phases according to the respective task numbers outlined in the Methods. As Tasks 1 through 3 involved the elimination of resources from further assessment based on visual impact analysis and consideration of historic significance and aspects of integrity, this phased approach to reporting assured VDHR the opportunity to comment on the historic properties considered by MVP at each level of assessment. The five private property in-holdings within FS administrative lands were included in the Master List as pending FS input. The remaining three properties discussed in this addendum were not yet identified and therefore not included.

The results of Task 1 were summarized in a report submitted to VDHR January 9, 2017 (*Criteria of Effects Report-Appendix C*), but did not include results for the seven resources discussed in this addendum. VDHR responded to Tetra Tech by letter on February 9, 2017, indicating that, as previously agreed upon, it "approves of this approach to refine the indirect APE and consider the effects of the MVP project on only those architectural resources that will have a demonstrated view of the new pipeline, associated facilities, and vegetative clearing along the corridor" (*Criteria of Effects Report-Appendix A*). In the letter, VDHR requested additional clarification in regards to the seasonal coverage of the National Land Cover Dataset (NLCD). VDHR noted that results could be different depending on the season the data depicts and indicated that fall and winter information represents a "worst case scenario" and recommended this to be "the most appropriate data set to use." Tetra Tech provided clarification regarding this issue in the subsequent Tasks 2 and 3 summary report on page 5 in the section entitled, "Task 2: Viewshed and Viewpoint Analysis: Step 1- Viewshed Analysis." Tasks 2 and 3 were submitted in one package (*Criteria of Effects Report-Appendix D*) to VDHR February 15, 2017, and were accepted by VDHR by letter dated March 22, 2017 (*Criteria of Effects Report-Appendix A*). The Tasks 2 and 3 summary report noted the five private in-holding properties within FS administrative lands, indicating that analysis results was pending FS input. The remaining three properties discussed in this addendum were not yet identified and therefore not included.

VDHR responded to Tetra Tech by letter on March 22, 2017, confirming that "After implementing Tasks 1, 2, and 3 of the agreed upon methodology for the viewshed and viewpoint analysis, Tetra Tech eliminated all but nine (9) NRHP-eligible or listed properties from further study under Task 4." In that correspondence, VDHR concurred that the historic properties identified by Tetra Tech as requiring additional analysis are Newport Historic District (035-0151), Greater Newport Rural Historic District (035-0412), Cemetery (035-0412-0465), Big Stony Creek Historic District (035-5127), North Fork Valley Rural Historic District), Barn (060-0574-0125), Bent Mountain Rural Historic District (080-5677), Cabin (080-5677-0006), and Coles-Terry Rural Historic District (080-5689). VDHR stated that "Based on the information provided, DHR concurs with the consultant's recommendation that these nine (9) properties warrant further study under Task 4 of the established viewshed and viewpoint analysis."

At a meeting held on March 27, 2017, MVP discussed the status of the Project and the plan for completing Task 4 of the visual effects assessment and other effects assessments, including

construction-related and operation-related effects. MVP cultural resources staff explained the manner in which Task 4 had evolved as the process was carried out. MVP noted that the Methods as agreed upon by VDHR in October 2016 largely focused on visual impacts, but the photo simulations in Task 4 became only one of many tools of analysis in order to assess direct and indirect impacts on the built environment and the historic landscape, specifically as it pertains to historic districts qualifying as rural historic landscapes

MVP and VDHR agreed at this meeting that a comprehensive report would be created that would include the previously reviewed Tasks 1, 2, and 3 documentation as well as the Task 4 results and additional assessment of effects related to construction and operation of the proposed MVP facilities. Also at the March 27, 2017 meeting, MVP and VDHR agreed on the process for documenting further effects assessments, if necessary. It was agreed that any addendum reports would tier to the comprehensive *Criteria of Effects Report* and that the Master List would be updated to reflect any subsequent additions and submitted as part of the addendum report(s).

4.0 CRITERIA OF EFFECTS ASSESSMENT RESULTS AND AVOIDANCE/ MITIGATION/MITIGATION PLANS

The following subsections describe the implementation of the tools of analysis utilized in the assessment of indirect and direct Project impacts upon the built environment and surrounding landscape as it relates to the historic significance of six Master List resources—Kent House (060-0290), Slusser Farm (060-0337), House (060-5178), Climens House (060-0340), Martin House (060-0415), and Henry-Waldron Cemetery (080-5690). The results of these assessments are summarized in the revised Master List (Appendix C) and Table 5.1. The location of each of the six resources in relation to the Project direct and indirect APEs is depicted in Figure 4.0.








Table 4.0 Master List Resources-Criteria of Effects Report: Addendum 2					
VDHR ID	Name	Historic District	Distance (ft) to Nearest Project Facility	NRHP Status	County
060-0290	Kent House	N/A	1212 Additional Temporary Work Space	Not evaluated- Assumed Eligible	Montgomery
060-0337	Slusser Farm	N/A	2952 Workspace Limits	Eligible	Montgomery
060-0340	Climens House	N/A	7900 Access Road and Temporary Work Space	Not evaluated- Assumed Eligible	Montgomery
060-0415	Martin House	N/A	664 Ancillary Sites	Eligible	Montgomery
060-5178	House	N/A	2452 Access Road and Temporary Work Space	Unknown	Montgomery

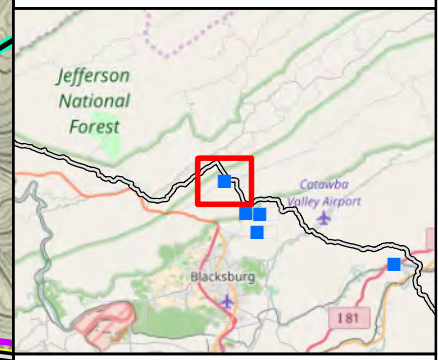
Table 4.0 Master List Resources-Criteria of Effects Report: Addendum 2 (Continued)					
VDHR ID	Name	Historic District	Distance (ft) to Nearest Project Facility	NRHP Status	County
080-5690	Henry-Waldron Cemetery	Coles-Terry Rural Historic District	14 Access Road - Permanent Work Space	Eligible as Contributing to District	Roanoke



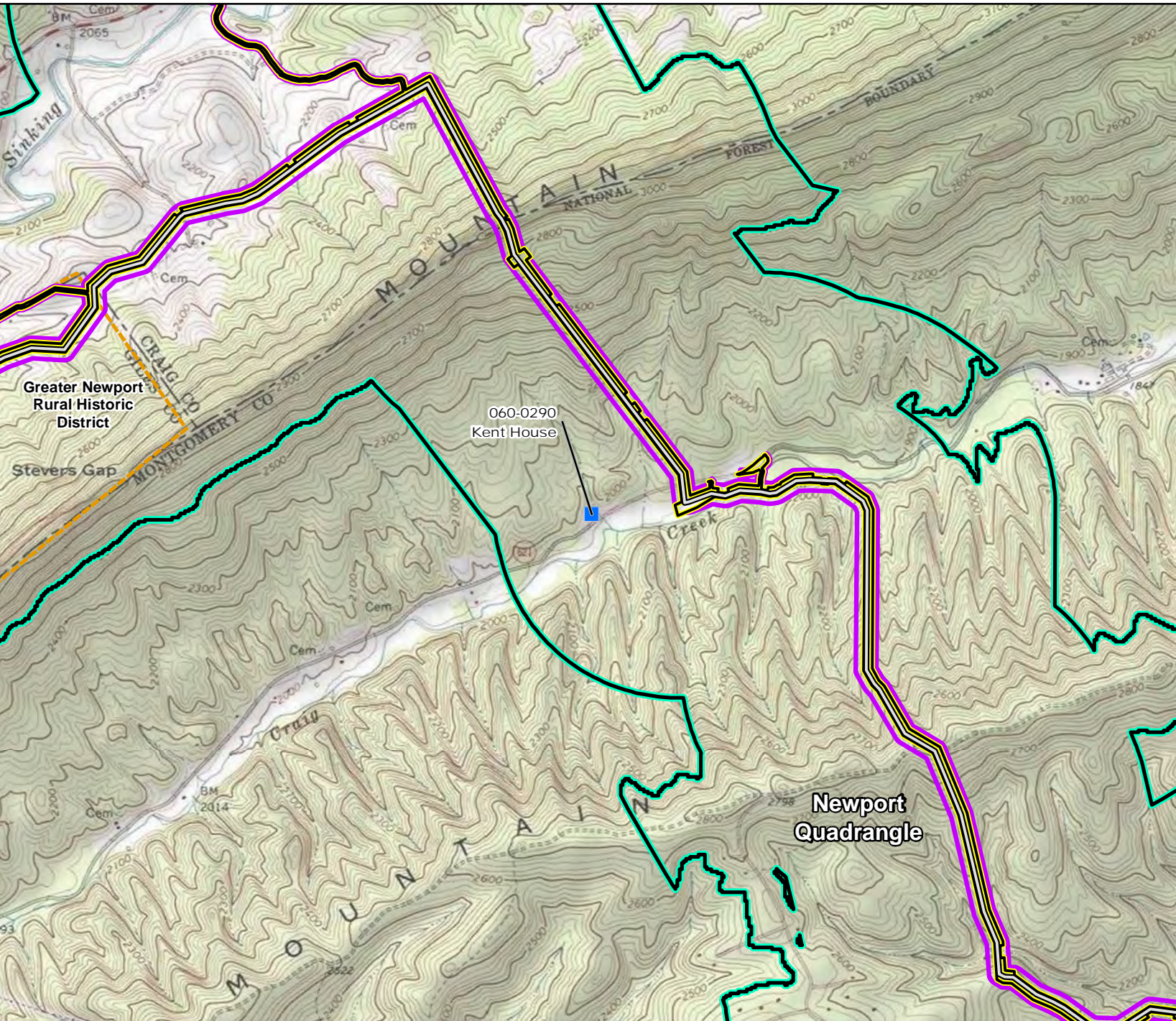
Figure 4.0
Historic Architectural Resource Location

Legend

-  Historic Architectural Resource - Addendum 2
-  Current Proposed Route
-  MVP Indirect APE
-  Limits of Disturbance
-  MVP Direct APE
-  Greater Newport Rural Historic District
-  USGS 7.5 Minute Quadrangle Boundary

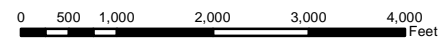


Data Sources: VDHR, USGS, ESRI, VADCR.



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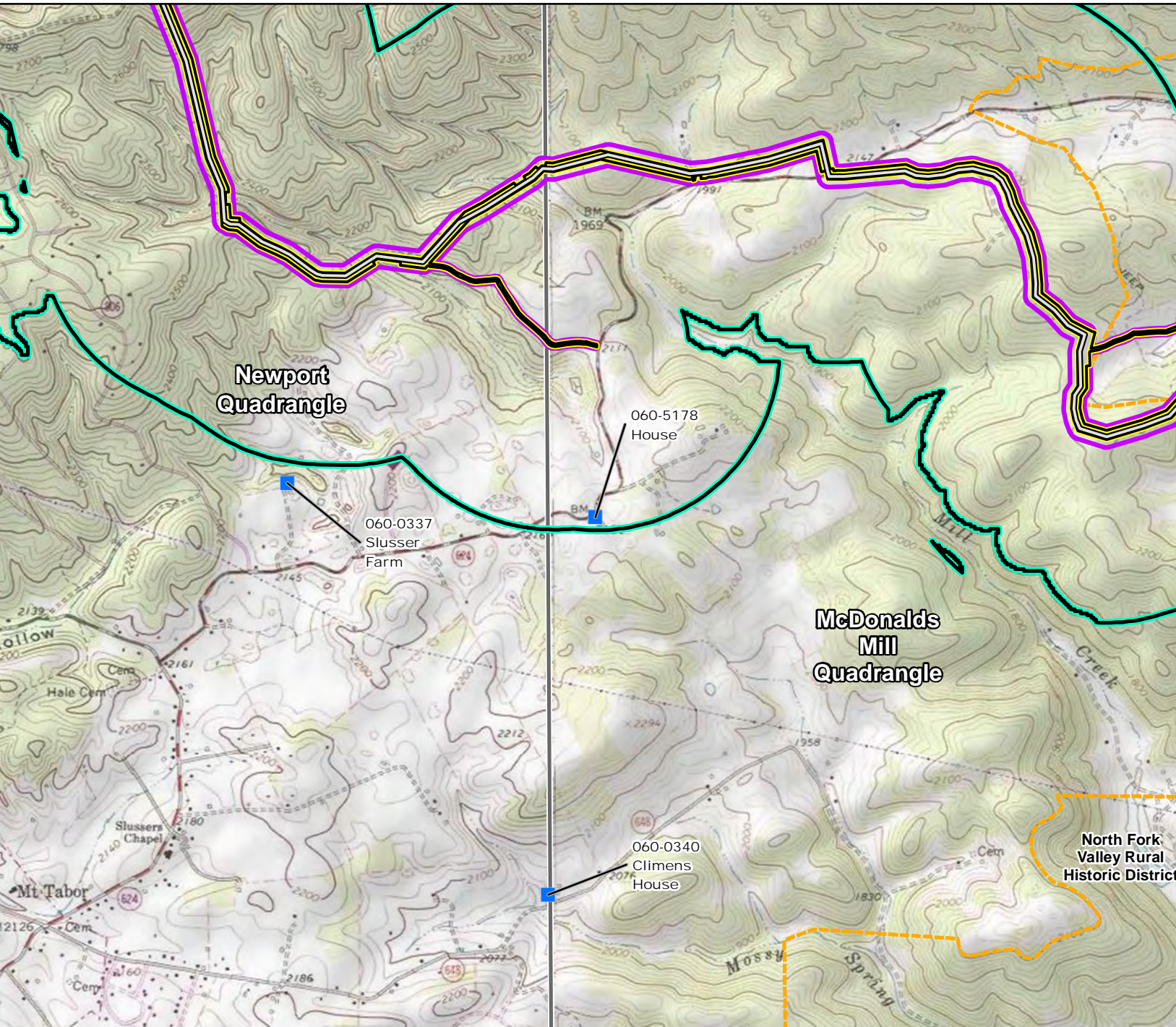
Figure 4.0
Historic Architectural Resource Location

Page 2 of 4

June 2017

Legend

-  Historic Architectural Resource - Addendum 2
-  Current Proposed Route
-  MVP Indirect APE
-  Limits of Disturbance
-  MVP Direct APE
-  North Fork Valley Rural Historic District
-  USGS 7.5 Minute Quadrangle Boundary

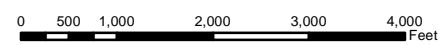


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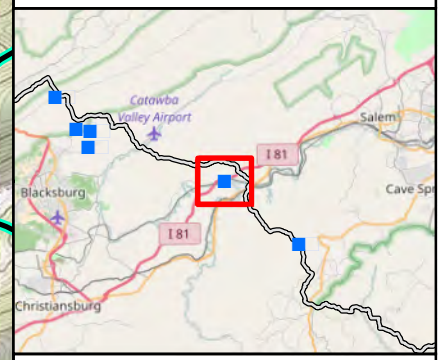
Figure 4.0
Historic Architectural Resource Location

Page 3 of 4

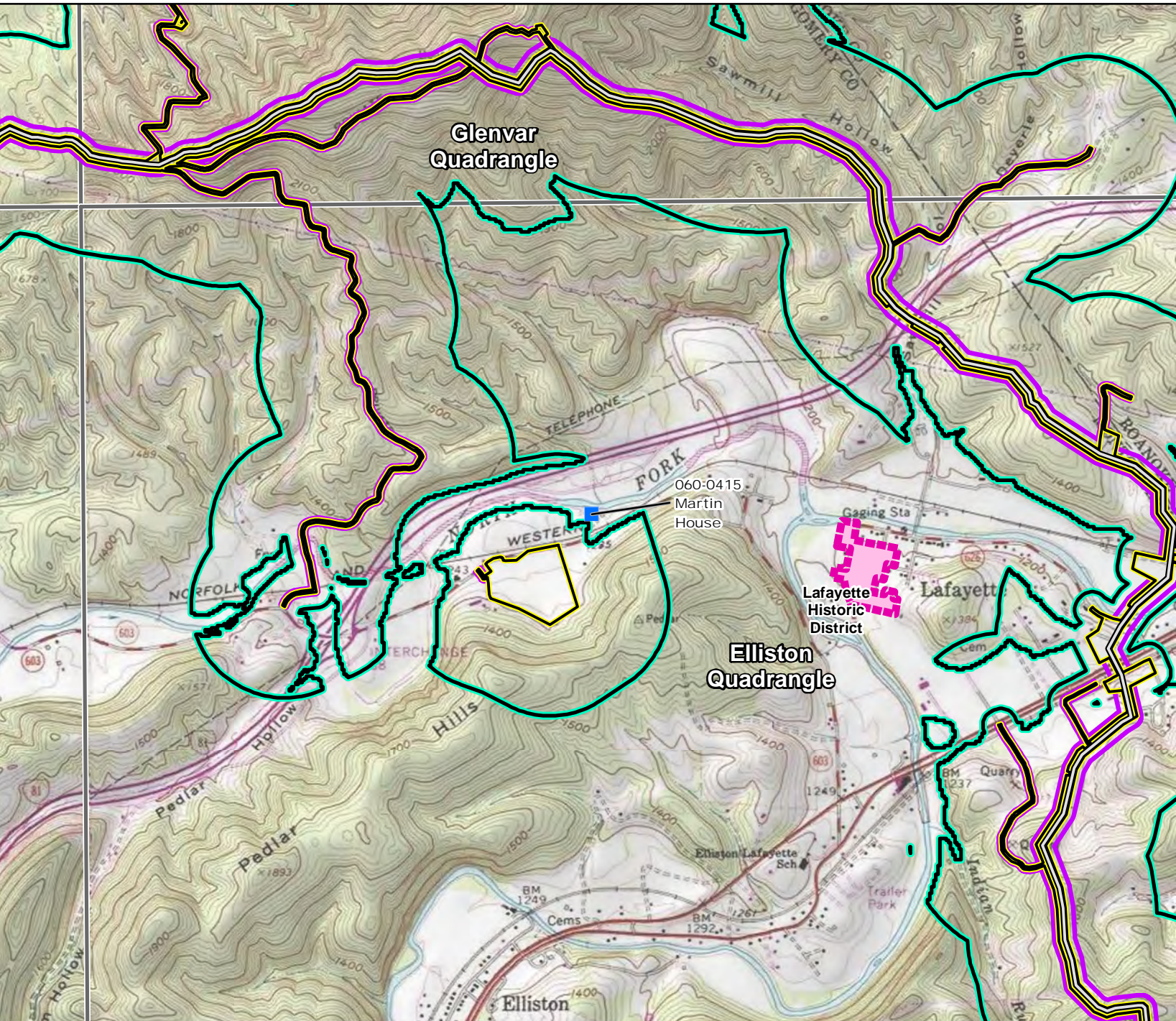
June 2017

Legend

-  Historic Architectural Resource - Addendum 2
-  Current Proposed Route
-  MVP Indirect APE
-  Limits of Disturbance
-  MVP Direct APE
-  Lafayette Historic District
-  USGS 7.5 Minute Quadrangle Boundary

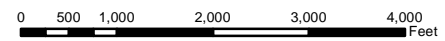


Data Sources: VDHR, USGS, ESRI, VADCR.



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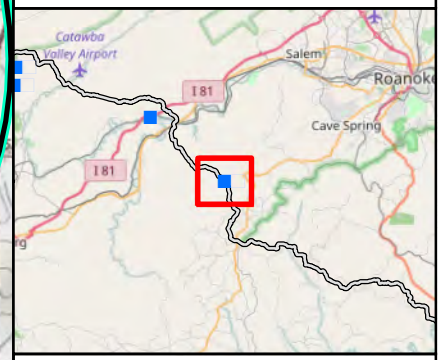
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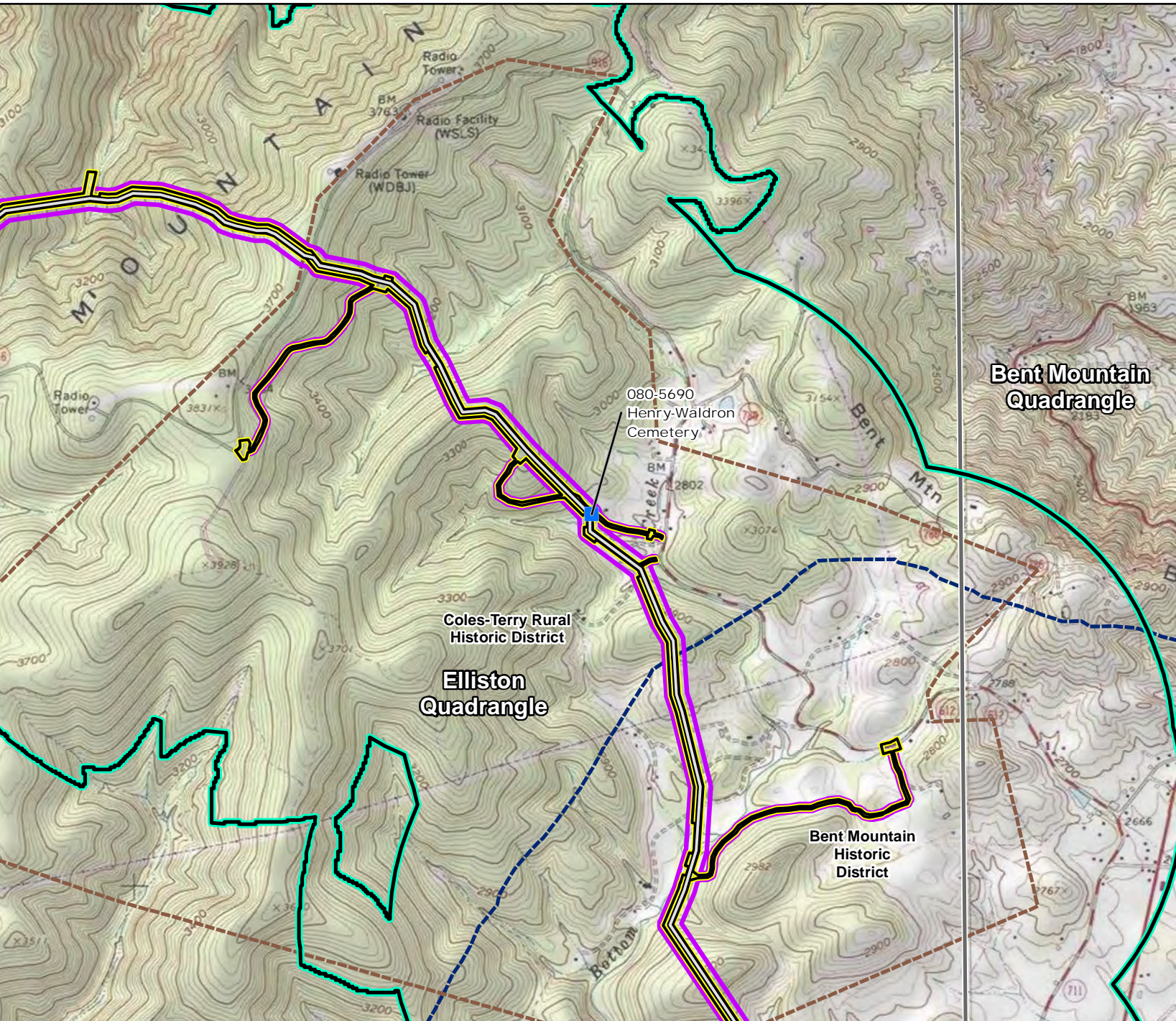
Figure 4.0
Historic Architectural Resource Location

Legend

-  Historic Architectural Resource - Addendum 2
-  Current Proposed Route
-  MVP Indirect APE
-  Limits of Disturbance
-  MVP Direct APE
-  Bent Mountain Historic District
-  Coles-Terry Rural Historic District
-  USGS 7.5 Minute Quadrangle Boundary

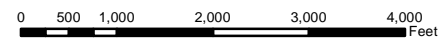


Data Sources: VDHR, USGS, ESRI, VADCR.



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NAD 1983 UTM 17N



Document Path: P:\EQT\Equitrans\MWP Project\GIS\Spatial\MXD\02_Cultural\2017\15_VA_COE_Addendum_2\Figure_380_T_VA_COE_Addendum_2\Figure_Resource_Locations_20170627.mxd

4.1 Visual Effects Assessment Results and Avoidance/Minimization/Mitigation Plans

As discussed in the *Criteria of Effects Report (Section 1.3)*, Tasks 1 through 3 involved the elimination of individual resources from further assessment based on visual impact analysis and consideration of historic significance and aspects of integrity. The results of the visual impact analysis for the six individual properties are detailed in Sections 4.1.1 and 4.1.2 below. These results are also reflected in the revised Master List (Appendix C).

4.1.1 Task 1 Results

Implementation of Task 1 resulted in the identification of individual historic properties that would not be subject to indirect visual impacts related to the Project (i.e. the Project would result in no effect to these properties). As such, these properties were excluded from further steps of visual impact assessment in accordance with the Methods.

Kent House (060-0290) is located approximately 1,212 feet from the Project (temporary work space) (Figure 4.0-Page 1). Views of the Project would be blocked due to distance and by intervening vegetation. Therefore, the Kent House was eliminated from further impact analysis due to its distance from the Project and intervening vegetation. The Project would have “No Effect” on this property (Appendix C-Master List).

Slusser Farm (060-0337) is located approximately 2,952 feet from the Project (work space). Located within a cleared area, nearby vegetation and intervening terrain would, at least partially, screen views of the Project both from the primary structure on the property and from its associated landscape (Figure 4.0-Page 2). However, the resource was chosen for Task 2 action (viewshed analysis) to confirm these findings. It should be noted that although the primary resource on the Slusser Farm lies beyond the indirect APE, ancillary buildings and the surrounding landscape within the parcel boundary are within the indirect APE.

House (060-5178) is located approximately 2,452 feet from the Project (access road and temporary work space) (Figure 4.0-Page 2). NLCD data indicates that this resource is located in a non-vegetated area. Areas of vegetation mapped to the north and northwest of the resource would screen views of the Project from the resource. As such, this resource was eliminated from further impact analysis due to its distance from the Project and intervening vegetation. The Project would have “No Effect” on this property (Appendix C-Master List).

Henry-Waldron Cemetery (080-5690) is located approximately 14 feet from an access road and permanent work space (Figure 4.0-Page 4). The cemetery is also located within the bounds of the Coles-Terry Rural Historic District and has been determined NRHP-eligible as a contributing resource to the district; the resource was not determined individually eligible for the NRHP. Due to its close proximity to the Project and the results of NLCD viewshed and Google Earth terrain modeling, the cemetery was chosen for Task 2 action.

It should be noted that **Climens House (060-0340)** and **Martin House (060-0415)** are located in areas which, as a result of Project modifications, are no longer within the APE; these resources were eliminated from further impact analysis (Figure 4.0-Pages 2 and 3). The Project would have “No Effect” on these properties (Appendix C-Master List).

Based on the Task 1 assessment, only the Slusser Farm (060-0337) and Henry-Waldron Cemetery (080-5690) remained to be evaluated under Task 2, the next step of the Methods. The revised Master List properties are depicted in the attached mapbook within the context of the Project indirect effects APE and the NLCD vegetation data (Appendix D). The properties are color-coded to indicate the results of the Task 1 assessment.

4.1.2 Task 2 Results

Step 1- Viewshed Analysis

Task 2-Step 1 assessment involved viewshed analysis and took into consideration several factors including NLCD data and identified intervening vegetation; distance to the nearest Project feature (e.g. permanent right-of-way and temporary and permanent ancillary features); identified areas where permanent changes to the landscape will occur as a result of the Project construction (i.e. tree clearing); and potential long distance views of Project features on adjacent high relief terrain (extending to 3 miles). The results of the Task 2 viewshed analysis indicated that **Slusser Farm (060-0337)** would not incur views of the Project; this resource was eliminated from further analysis. In other words, the Project would have “No Effect” on this property (Appendix C-Master List). However, **Henry-Waldron Cemetery (080-5690)** was shown to have visibility and moved on to the next analysis phase.

Step 2- Viewpoint Analysis

Viewpoint analysis was performed for Henry-Waldron Cemetery (080-5690)—shown to be subject to potential viewshed impacts in Task 2-Step 1—and took into consideration visual screening provided by man-made features. The resulting viewpoint renderings were utilized to assess the nature and extent of the Project’s potential impacts the property’s viewshed (Appendix E). As a result, **Henry-Waldron Cemetery (080-5690)** was shown to be subject to “Dominant” viewshed impacts and was chosen for Task 3 action (Appendix C-Master List).

4.1.3 Task 3 Results

Henry-Waldron Cemetery (080-5690), shown to be subject to “Dominant” viewshed impacts and not eliminated in Task 2-Step 2, underwent the next level of assessment under Task 3, by taking into consideration its historic significance and the aspects of integrity. The visibility of Project features from an historic property may not invariably cause an adverse effect. Historic properties convey their significance through their integrity (location, design, setting, materials, workmanship, feeling, and association). Task 3 involved assessing each of the remaining historic properties in terms of the qualifying NRHP Criteria and then evaluating the Project’s potential to adversely affect the resource’s integrity.

As a result, **Henry-Waldron Cemetery (080-5690)** was categorized as “High Potential” moved on to Task 4 evaluation, the final level of visual impact assessment.

4.1.4 Task 4 Results

Henry-Waldron Cemetery (080-5690) is a primary contributing resource to the **Coles-Terry Historic District (080-5689)**; the resource is not individually eligible for the NRHP. As such, Task 4 analysis for this property utilized KOPs within the district and considered effects to the district as a whole. As a result, the district was shown to be subject to “Inferior” visual impacts. The Project would have “No Adverse Effect” on the district (Appendix C-Master List).

The results of the Task 4 analysis for the Coles-Terry Rural Historic District (080-5689) were presented in Table 4.1.5 and Appendix J of the *Criteria of Effects Report*.

4.2 Construction-Related Effects Assessment Results and Avoidance/Minimization/Mitigation Plans

The Project has the potential to visually impact the largest number of historic properties because of the aerial extent of the APE related to visual effects. Other effects, including those directly related to construction of MVP, are possible but much more limited in geographical scope. GIS analyses were performed using Project design data (permanent and temporary facilities) and data from VDHR’s V-CRIS, MVP’s Phase I historic architecture and archaeological surveys, and the revised Master List to identify two historic properties addressed in this report, located within 0.5 mile of the Project, which may *potentially* sustain construction-related impacts (Table 4.2). The results of this assessment are described in the subsections below. These results are also reflected in the revised Master List (Appendix C).

Engineering efforts for the Project have included surveying and evaluating various routes to identify a constructible route with the least overall impact on landowners, cultural and historic resources, and the environment. Additionally, MVP’s routing, engineering, and cultural resources teams have worked diligently, on a continual basis, to avoid direct and indirect construction-related impacts on eligible and listed historic architectural properties. For example, **Henry-Waldron Cemetery (080-5690)** is located approximately 14 feet from an access road and permanent work space. Protective fencing will be utilized to avoid direct impacts on the cemetery and access to the cemetery will be maintained during construction. A revised avoidance plan for this property is provided as Appendix F.

Table 4.2 Historic Properties Located within 0.5-Mile of MVP

VDHR ID	Name	Location	NRHP Status	District	MP	Distance to Centerline (ft.)	Nearest Project Feature	Distance to Nearest Project Feature (ft.)
060-0290	Kent House	Route 460	Unevaluated (assumed Eligible)	N/A	219.6	1359	Additional Temporary Workspace	1212
080-5690	Henry-Waldron Cemetery	Poor Mountain Road	Primary Contributing A, C, and D	Coles-Terry Rural	241.6	821	Access Road-Temporary Workspace	13.6

4.2.1 Blasting and Other Construction-Related Noise

Construction of the pipeline will generate noise from heavy machinery and equipment as construction moves in phases along the right-of-way. Sound from pipeline construction will generally be temporary, sporadic, and short term in any one location along the pipeline route. Because of the temporary and generally daytime-only nature of pipeline construction activities and the distance at which sensitive historic properties are from the construction activities (Table 4.2), the predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels) at any of the historic properties occupied full-time or on occasion.³ No special noise mitigation or noise monitoring program are recommended during the construction phase. The results of the Project construction noise evaluation are provided in the *Criteria of Effects Report* – Appendix K. Impacts related to noise are deemed unlikely since the only sensitive historic property—Kent House (060-0290)—is located at a distance of 1359 feet from the Project centerline.

³ Complies with Federal Transit Administration Criteria of 80 dBA at occupied residences.

Table 4.2 Historic Properties Located within 0.5-Mile of MVP

VDHR ID	Name	Location	NRHP Status	District	MP	Distance to Centerline (ft.)	Nearest Project Feature	Distance to Nearest Project Feature (ft.)
060-0290	Kent House	Route 460	Unevaluated (assumed Eligible)	N/A	219.6	1359	Additional Temporary Workspace	1212
080-5690	Henry-Waldron Cemetery	Poor Mountain Road	Primary Contributing A, C, and D	Coles-Terry Rural	241.6	821	Access Road-Temporary Workspace	13.6

4.2.2 Blasting and Other Construction-Related Vibration

MVP will minimize the amount of blasting required to the extent practicable; however, blasting may be required in certain areas of shallow bedrock. Although areas of shallow bedrock (and potential blasting) have been identified, the specific extent of blasting for the Project would be identified during site-specific construction activities. Where consolidated rock is encountered during construction, MVP's preferred procedure will be to fracture and excavate the bedrock using standard construction equipment. Blasting of bedrock may be required in areas where hard, massive bedrock is not easily removed by conventional excavation methods. All blasting will be in accordance with the MVP Blasting Plan (*Criteria of Effects Report-Appendix N*). Per Section III of the FERC Plan and Procedures⁴, MVP has developed the General Blasting Plan in consultation with appropriate agencies.

Neither of the properties identified in table 4.2 were identified as having worst-case vibration levels potentially above the identified screening thresholds. Vibration impacts for these properties due to construction are, therefore, deemed very unlikely.

4.2.3 Access to Historic Properties

By working with landowners during the planning stages of the Project, there will be no adverse effects to either of the properties in Table 4.2 related to access since access to properties will be maintained throughout construction.

4.2.4 Vegetation Removal and Restoration

All stumps will be disposed of to the satisfaction of the landowners and/or the environmental inspector. When feasible, vegetation will be cut to ground level only, leaving the root systems intact. Erosion control measures as identified in the site-specific erosion and sedimentation control plans will be implemented along the construction right-of-way. Erosion and sedimentation controls will be properly maintained throughout construction and restoration as directed by the Virginia Department of Environmental Quality and FERC. Temporary erosion controls will remain in place until permanent erosion controls are installed and the right-of-way is determined to be successfully revegetated in accordance with the Virginia Department of Environmental Quality and FERC Plan.

The areas disturbed by construction will be restored to their original grades, condition and use or better, to the greatest extent practicable. Restoration will be considered successful if the right-of-way surface condition is similar to adjacent undisturbed lands, construction debris is removed, revegetation is successful, and proper drainage has been restored. MVP is partnering with the Wildlife Habitat Council (WHC), a nonprofit organization dedicated to assisting corporations, conservation organizations, and individuals with restoration and enhancement of wildlife habitat.

⁴ The FERC Plan and Procedures comprise construction best management practice standards that the FERC first introduced in 1994. The FERC has encouraged natural gas pipeline companies to adopt these documents into their applications to the FERC and commit to these standards in construction for new pipelines and maintenance on existing pipelines

The WHC is working with MVP on its commitment toward restoration of the Project right-of-way and establishment of perennial vegetation using native seed mixes.

4.2.5 Operation-Related Effects Assessment Results and Avoidance/Minimization/Mitigation Plans

Operational activity on MVP will be limited primarily to the maintenance of the 50-foot permanent right-of-way. GIS analyses were performed using the Project design data for the 50-foot permanent easement and data from VDHR’s V-CRIS, MVP’s Phase I historic architecture and archaeological surveys, and the revised Master List to identify one historic property—Henry-Waldron Cemetery (080-5690)—that may *potentially* sustain operation-related impacts due to its location within the 50-foot permanent right-of-way. The results of this assessment are described in the subsections below. These results are also reflected in the revised Master List (Appendix C).

4.2.6 Permanent Right-of-Way Maintenance

Operational activity on the pipeline will be limited primarily to mechanical vegetation maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This activity is not anticipated to affect access to, or the use of Henry-Waldron Cemetery (080-5690).

4.2.7 Pipeline Markers

As required by the Pipeline and Hazardous Materials Safety Administration (PHMSA), MVP facilities will be clearly marked at line-of-sight intervals and at crossings of roads, railroads, waterbodies, and other key points. The purpose of the pipeline markers is to act as a type of signage, clearly indicating the presence of the pipeline and provide a telephone number and address where a company representative can be reached in the event of an emergency or prior to any excavation in the area of the pipeline by a third party. As noted above, these markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.

5.0 APPLICATION OF THE CRITERIA OF ADVERSE EFFECT

Section 106 of the National Historic Preservation Act

Section 106 of the NHPA, as amended, requires that an analysis of the MVP Project be performed in order to determine its effect upon resources listed in or eligible for listing in the NRHP. Guidelines for this evaluation are contained in the regulations of the Advisory Council on Historic Preservation at 36CFR800.

Criteria of Adverse Effect (36CFR800.5A(1))

By definition, an adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualifies the property for inclusion in the NRHP in a manner that would diminish the integrity of the property's location, design, setting, materials, workmanship, feeling, or association. Consideration should be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property's eligibility for NRHP listing. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance, or be cumulative.

Adverse effects to historic properties include, but are not limited to:

- Physical destruction of or damage to all or part of the property
- Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties (36CFR part 68) and applicable guidelines
- Removal of the property from its historic location
- Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance
- Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features
- Neglect of the property which causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native organization
- Transfer, lease, or sale of property out of Federal ownership or control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance.

5.1 Individual Historic Properties

The Criteria of Adverse Effect were applied to six NRHP-eligible historic properties within the MVP project APE. The revised Master List (Appendix C) summarizes the process of the application of the Criteria of Adverse Effect to each of the six properties. First, Tetra Tech

established whether the Project would have an effect on each of the properties. If Tetra Tech analysis indicated that there would be an effect, then each of the seven Criteria of Adverse Effect was addressed. Table 5.1 summarizes the final determination of effects (Adverse Effect or No Adverse Effect) to each historic property. The revised Master List (Appendix C) also summarizes the results of the analysis for each property.

Table 5.1 Summary of Criteria of Effects Assessment: Addendum 2					
VDHR ID	Name	Historic District	NRHP Status	County	Criteria of Effects Assessment
060-0290	Kent House	N/A	Not evaluated- Assumed Eligible	Montgomery	NO EFFECT
060-0337	Slusser Farm	N/A	Eligible	Montgomery	NO EFFECT
060-0340	Climens House	N/A	Not evaluated- Assumed Eligible	Montgomery	NO EFFECT
060-0415	Martin House	N/A	Eligible	Montgomery	NO EFFECT
060-5178	House	N/A	Unknown	Montgomery	NO EFFECT
080-5690	Henry-Waldron Cemetery	Coles-Terry Rural Historic District	Eligible as Contributing to District	Roanoke	NO ADVERSE EFFECT (Appendix F-Avoidance Plan)

6.0 SUMMARY AND CONCLUSIONS

6.1 Phase I Architectural Survey

Two resources—Barn and Crib (080-5677-0009) and Single Family Residence and Outbuildings (035-5136)—were newly identified and were not included in previous Phase I historic architecture reports. The two architectural and historic resources surveyed were evaluated for their significance according to NRHP criteria, the historic contextual background information collected for this Project, and guidelines contained in National Register Bulletin 15—How to Apply the National Register Criteria for Evaluation (National Park Service 1998). In evaluating the surveyed architectural and historical resources, the architectural integrity of each was assessed. Neither of these resources are recommended as eligible for NRHP listing. The results of the additional Phase I survey including NRHP-eligibility recommendations are detailed in Appendices A and B.

6.2 Criteria of Effects Assessment

In accordance with Section 106 of the NHPA of 1966, as amended, the Criteria of Adverse Effect were applied to six historic properties, not addressed in previous Criteria of Effects reporting, by synthesizing the results of the visual, construction-related and operation-related effects assessments.

The Criteria of Adverse Effect were applied to six individual historic properties—one of which contributes to the Coles-Terry Rural Historic District—within the MVP project APE. The revised Master List (Appendix C) summarizes the process of the application of the Criteria of Adverse Effect to each of the six properties. Following careful study of the Project and its relationship to the identified historic properties and consideration of a full range of potential direct and indirect effects to the built environment and visual character of the surrounding landscape, it is recommended that the MVP will have No Adverse Effect on any of the six historic properties (see revised Master List-Appendix C and Table 5.1).

7.0 REFERENCES

ACHP (Advisory Council on Historic Preservation)

2004 Protection of Historic Properties.

<http://www.achp.gov/regs-rev04.pdf>. (accessed 2017)

2017 National Register Evaluation Criteria. <http://www.achp.gov/nrcriteria.html>. (accessed 2017)

FERC

2013 Upland Erosion Control, Revegetation, and Maintenance Plan. <https://www.ferc.gov/industries/gas/enviro/guidelines/upland-pocket-guide.pdf>. (accessed 2017)

National Park Service (NPS)

1998 National Register Bulletin 15 – How to Apply the National Register Criteria for Evaluation. https://www.nps.gov/nr/publications/bulletins/nrb15/nrb15_8.htm. (accessed 2017).

2017 Visual Resource Inventory. <http://blmwyomingvisual.anl.gov/vr-inventory/nps/index.cfm> (accessed 2017)

New South Associates

2015 *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Franklin County, Virginia*. Prepared by New South Associates, Stone Mountain, Georgia. Prepared for Tetra Tech, Inc., Parsippany, New Jersey.

2016 *Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Roanoke County, Virginia*. Prepared by New South Associates, Stone Mountain, Georgia. Prepared for Tetra Tech, Inc., Parsippany, New Jersey.

2017 *Phase I Architectural Combined Addendum Summary Report*. Prepared by New South Associates, Stone Mountain, Georgia. Prepared for Tetra Tech, Inc., Parsippany, New Jersey.

SOI

2012 Secretary of the Interior's Standards for the Treatment of Historic Properties (36 CFR 68). www.nps.gov/tps/standards.htm (accessed 2017).

Tetra Tech

2017 *Mountain Valley Pipeline Project, Criteria of Effects Report, Giles, Craig, Montgomery, Roanoke, Franklin and Pittsylvania Counties, Virginia*. Prepared for Mountain Valley Pipeline LLC, Canonsburg, Pennsylvania. Prepared by Tetra Tech, Parsippany, New Jersey.

Virginia Department of Environmental Quality (VADEQ)

2013 Erosion, Sediment Control and Reclamation (4VAC25-15-260). <http://law.lis.virginia.gov/admincode/title4/agency25/chapter150/section260/>. (accessed 2017)

Virginia Department of Historic Resources (VDHR)

2011 *Guidelines for Conducting Historic Resources Survey in Virginia*. VDHR, Richmond, Virginia. Electronic document, http://www.dhr.virginia.gov/pdf_files/Survey%20Manual-RevOct.2011Final.pdf, accessed October 2014.

Appendix A
Phase I Architectural Survey Letter Report in Reference
to Resource 080-5677-0009



June 21, 2017

Sydne Marshall, Ph.D., RPA
Tetra Tech
6 Century Drive, 3rd Floor
Parsippany, New Jersey 07054

**RE: Mountain Valley Pipeline Architectural Resource Late Discovery: VDHR
Resource Number 080-5677-0009**

Dear Dr. Marshall,

This letter contains a Phase I National Register of Historic Places (NRHP) evaluation of a historic architectural resource, Virginia Department of Historic Resources (VDHR) No. 080-5677-0009, on Bottom Creek Road (Route 603) in Roanoke County, Virginia and within the Direct Area of Potential Effects (APE) of the Mountain Valley Pipeline (MVP) (Figure 1). This resource was recently identified by Tetra Tech archaeologists working in MVP's Direct Effects APE after New South Associates had concluded the architectural reconnaissance survey for the project.

Architectural resource 080-5677-0009 consists of two abandoned agricultural structures: a house and a crib. The tertiary number format indicates that the resource is located within the Bent Mountain Rural Historic District (080-5677), a district that MVP and the VDHR are treating as NRHP-eligible for Section 106 purposes. New South's recommendation is that 080-5677-0009 is not individually eligible for the NRHP nor is it a contributing resource to the Bent Mountain Rural Historic District.

**House and Crib
0 Bottom Creek Road (Route 607)
Bent Mountain, Roanoke County
VDHR No. 080-5677-0009
Tax ID No. 110.00-01-44.00-0000**

Two abandoned and deteriorated structures are situated on a 60-acre parcel on the south side of Bottom Creek Road (Figure 2). The house and crib are approximately 115 feet apart in a wooded area at the edge of a cleared field on the northwest bank of Mill Creek.

The house and crib are assumed to be functionally related due to their physical proximity to one another and the presence of corrugated tin roofing on both structures. The 1982

Georgia/Headquarters

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F/770.498.3809

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F/803.771.7087



North Carolina

408-B Blandwood Avenue
Greensboro, North Carolina 27401
T/336.379.0433
F/336.379.0434

Tennessee

118 South 11th Street
Nashville, Tennessee 37206
T/615.262.4326
F/615.262.3338

Louisiana

1005 Cook Drive
DeRidder, Louisiana 70634
T/915.433.4130



Radford USGS topographic map shows the two-building agricultural complex was at one time accessed by a curving unpaved drive off the south side of Bottom Creek Road. The unpaved road is no longer clearly evident and the area around the house and crib are overgrown. No additional buildings were observed near the house and crib, although the 1963 Elliston USGS topographic map shows an outbuilding at the terminus of the unpaved drive approximately 175 feet from the present location of the house. Recent aerial photography shows a third frame structure near the house and crib; however, this building was not observed in the field or in current aerial photographs. The 1963 Elliston USGS topographic map also depicts an orchard in the field approximately 850 feet north of 080-5677-0009. The proximity of the house, crib, and orchard suggests the buildings may have been associated with fruit growing.

The larger of the two buildings in the 080-5677-0009 group appears to have been built as a dwelling or some sort of fruit processing house around 1930 (Figures 3 and 4). The one-and-a-half story structure has a side-gable roof covered with corrugated metal. The metal is missing in places and the roof sheathing is exposed. The remnants of a brick chimney flue project from a small square opening near the ridgeline. The walls of the main block of the house are covered with weatherboard siding. On the north side is a shed addition with vertical board walls. The front of the house (south side) has a central entry opening flanked by two window openings on each side. Three small square windows are tucked under the roof eaves. There are two windows on each side elevation, a larger lower opening and a small square one directly above the lower opening and under the eaves. There are no doors or window sashes. Some of the window openings contain the deteriorated remnants of shutters with triangular surface notched hinges. The wood and metal debris in the north yard may be the remains of a front porch.

Approximately 115 feet east of the house is a circa 1930 frame crib (Figures 5 and 6). The structure has a gabled roof with exposed rafter ends. The roof is covered with corrugated metal, the same material as is on the house. The walls are made of a combination of vertical siding and horizontal planks with spaces in between that allow for ventilation. The building sits on wood piers. There is a vertical board entry door on the west side.

The house and crib are recommended not eligible for the NRHP as an individual agricultural complex. This is due to the lack of architectural and structural integrity of the primary resource, the house, which is in poor condition. The house's missing roof covering is causing structural decay, the porch has collapsed, and original architectural elements such as the doors, shutters, and chimney are damaged or missing. It is not known if the building originally had window sashes, but none were observed at this time. The crib retains integrity but is a typical twentieth-century agricultural building and does not possess unique or significant characteristics that would qualify it individually for the NRHP.

The complex is recommended non-contributing to the Bent Mountain Rural Historic District. Due to the condition of the house, the resource as a whole does not possess the requisite physical integrity to convey the story of agricultural life during the district's period of significance, circa 1947-1980. The overgrown condition of the site and the loss

of the access road, other buildings and the orchard have eroded the resource's setting and its historic associations with early to mid-twentieth-century agriculture.

Data for 080-5677-0009 has been uploaded into VDHR's data Sharing System for Historic architectural resources and a hard copy survey file will be provided to the VDHR for incorporation into their archive. Please do not hesitate to contact me if have any questions about this resource or our recommendations.

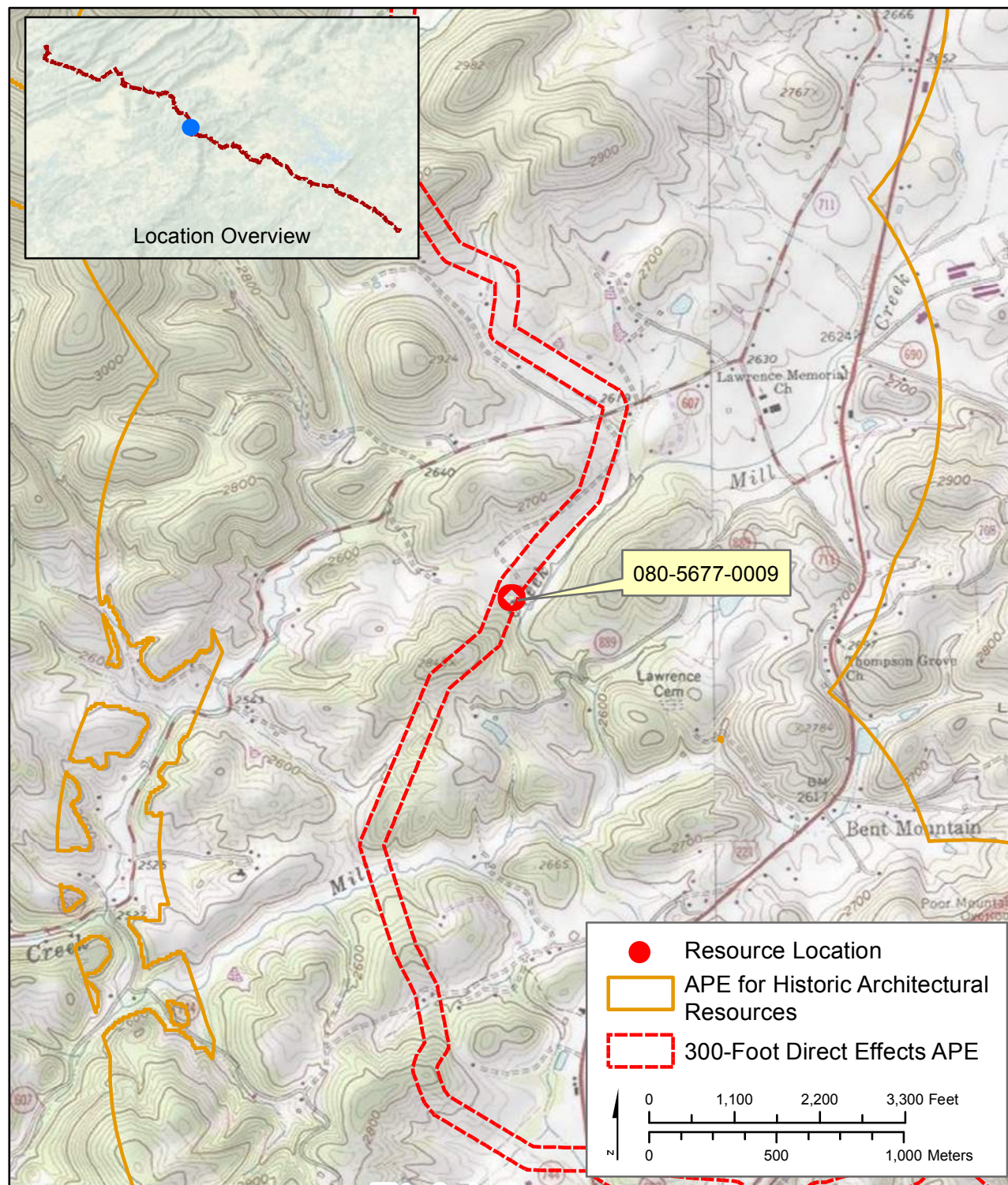
Sincerely,

New South Associates, Inc.

A handwritten signature in cursive script, appearing to read "Ellen Turco", with a long horizontal flourish extending to the right.

Ellen Turco
Senior Architectural Historian

Figure 1. 080-5677-0009 Location Map










USGS 7.5 Minute Quadrangle Map, Elliston, VA (1979)

Figure 2. 080-5677-0009 Site Plan

Project Name: Mountain Valley Pipeline Project
Date: 5/16/2017
Location: House and Crib
0 Bottom Creek Road (Route 607),
Bent Mountain, Roanoke County, Virginia
Site No. 080-5677-0009

LEGEND

	Hardwood		Creek		Building
	Pine		Fence		Road
			Grave Marker		

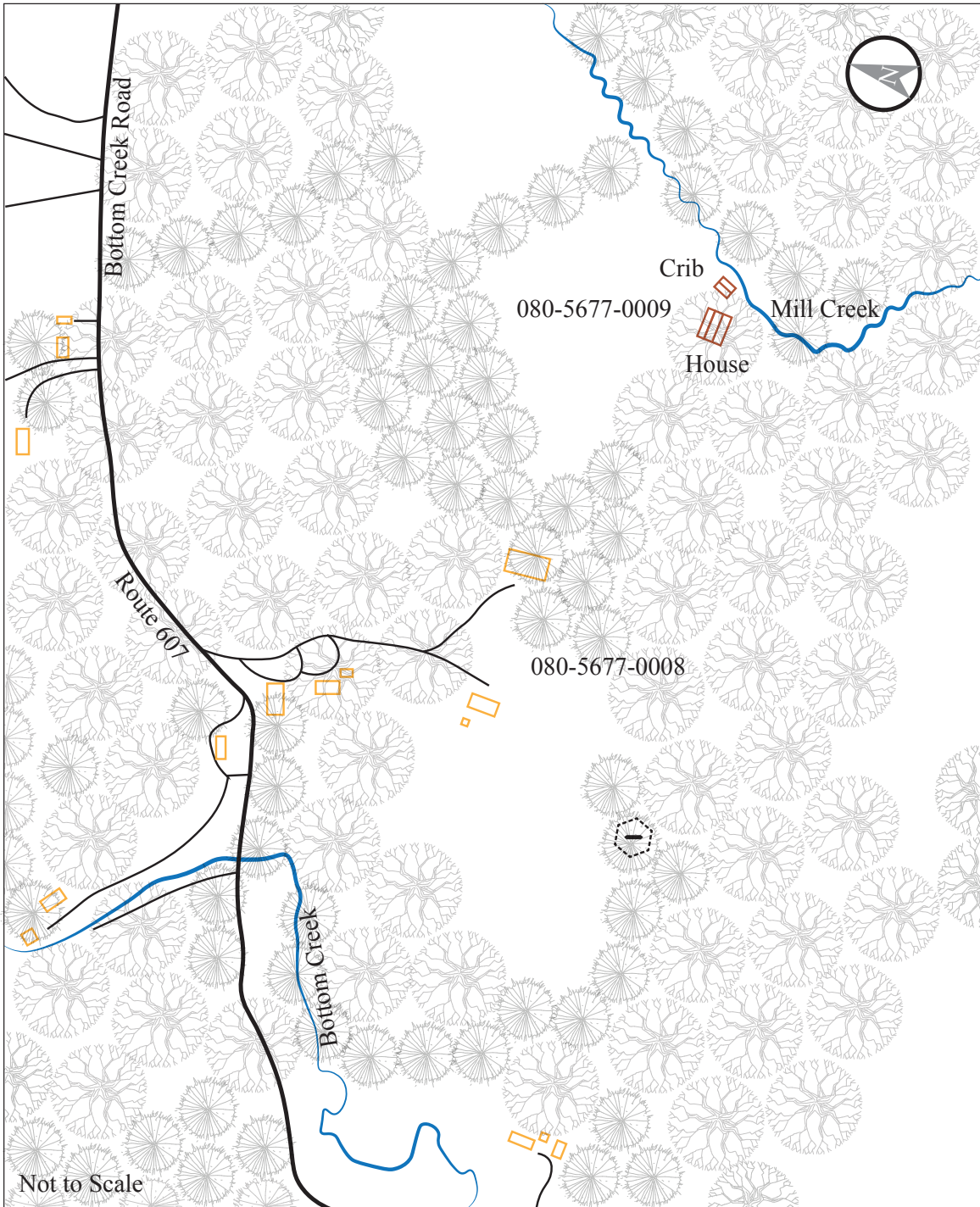


Figure 3. Views of the House



A. North Facing Side of House



B. East Facing Side of House

Figure 4. Views of the House



A. South Facing Side of House



B. West Facing Side of House

Figure 5. Views of the House



A. East Facing Side of Crib



B. South Facing Side of Crib

Figure 6. West Facing Side of Crib



Appendix B
Phase I Architectural Survey Letter Report in Reference
to Resource 035-5136

June 27, 2017

Sydne Marshall, Ph.D., RPA
Tetra Tech
6 Century Drive, 3rd Floor
Parsippany, New Jersey 07054

**Re: Mountain Valley Pipeline Architectural Resource Late Discovery:
VDHR No. 035-5136**

Dr. Marshall,

This letter contains a Phase I National Register of Historic Places (NRHP) evaluation of one historic architectural resource, Virginia Department of Historic Resources (VDHR) No. 035-5136 on Clendennin Road in Giles County, Virginia (Figure 1). The Direct Area of Potential Effects (APE) of the Mountain Valley Pipeline (MVP) crosses the extreme eastern portion of the parcel on which 035-5136 is located. The view of this resource is obscured due to the overgrowth of vegetation and the resource was inadvertently omitted during the architectural reconnaissance survey for the project conducted by New South Associates.

Architectural resource 035-5136 consists of five abandoned agricultural buildings: a single family residence, two crib barns, a metal shed, and small wood building. SEARCH recommends that 035-5136 is not individually eligible for listing in the NRHP, nor is it a contributing resource to a potential historic district. Giles County GIS records indicate that six other buildings or structures are located on the western end of the parcel; a secondary dwelling and five outbuildings. However, those buildings and/or structures are not visible from the public right-of-way, their relationship to 035-5136 is undetermined, and were not included in this evaluation.

Single Family Residence and Outbuildings
695 Clendennin Road, Bluff City, Giles County
VDHR No. 035-5136
Parcel ID: 25-53

An abandoned single-family residence and four associated outbuildings are located on a 25.75-acre parcel on the north side of Clendennin Road (Figures 1-2). The buildings are located outside of the direct APE, which follows Pocahontas Road and traverses the extreme eastern portion of the parcel. The primary residence is set back approximately 200 feet north from Clendennin Road and 275 feet west from Pocahontas Road. A small crib barn and a small wooden building are located directly to the northwest of the residence, approximately 30 feet



from the rear of the house. A larger crib barn is located approximately 170 feet to the northwest. A small metal shed is located approximately 75 feet to the south of the residence, between the house and Clendennin Road. The 1887 and 1891 Dublin USGS topographic maps show no development in the present-day vicinity of 035-5136. The primary residence of 035-5136 appears on the next available USGS topographic map, 1932 Narrows, surrounded by a small tract of cleared land. None of the outbuildings are depicted in the 1932 Narrows USGS topographic map, nor do they appear on any later maps. Aerial photos dated 1963 indicate that the larger crib barn and metal shed were not extant on the parcel at that time.

Primary Residence

The primary residence was largely obscured by overgrown vegetation and difficult to observe from the public right-of-way at the time of the field survey (Figures 3-9). Due to this fact, data from the Virginia Mass Appraisal Network website (www.vamanet.com) was relied upon in part to corroborate observations made in the field (see Figure 4). The circa 1930 building appears originally to have been rectangular in plan, but is now irregular in plan due to multiple phases of additions. The principal mass is one-and-one-half-stories in height, with a side-gabled roof clad with 5V-crimp sheet metal roofing. Exterior fabric of the principal mass appears to be wood weatherboard siding and sheet metal siding. A full-width, one-story porch, under a dropped shed roof with exposed rafter tails, is located along the southeast façade. The porch has been enclosed. The foundation of the building was not observable from the public right-of-way. An exterior stone chimney is centered on the southwest gable wall of the principal mass, while an exterior concrete block chimney is located on the northeast gable wall, offset northwest. No doors or windows of the principal mass could be observed.

The residence has been subjected to a number of additions throughout the years. A one-story rear addition, under an extension of the gabled roof, extends from the northwest elevation. A one-story wing addition extends from each of the southwest and northeast façades. Each wing addition has a side-gabled roof with exposed rafter tails and clad with 5V-crimp sheet metal roofing. Each wing addition also has its own concrete block chimney. The exterior fabric of the northeast wing addition appears to be aluminum siding, while the southwest wing addition appears to be clad with faux brick siding. Another phase of addition extends at a right angle from the southeast façade of the southwest wing addition.

Crib Barn #1

A small crib barn is located directly to the northwest of the residence, approximately 30 feet from the rear of the primary residence (Figure 10). The one-story barn is rectangular in plan, measuring roughly 40 feet by 20 feet. The barn has a gabled roof with exposed rafter tails and clad with corrugated sheet metal roofing. Exterior fabric consists of vertical wood planks. A hinged door is located on the southwest gable wall, offset northwest. An addition extends from the northeast gable wall, under a dropped shed roof.

Crib Barn #2

A crib barn is located to the northwest of the residence, approximately 170 feet from the rear of the primary residence (Figure 11). The one-story barn is rectangular in plan, measuring



roughly 50 feet by 30 feet. The barn has a shed roof with exposed rafter tails and clad with sheet metal roofing. Exterior fabric consists of vertical wood planks and composition roll. The barn appears to consist of three cribs.

Metal Shed

A small, prefabricated metal shed is located approximately 75 feet to the south of the residence, between the house and Clendennin Road (Figure 12). The shed is square in plan, measuring roughly 8 feet by 8 feet, with a gambrel roof. Exterior fabric consists of ribbed sheet metal siding. A sliding metal door is located on the northwest wall and louvered vents are located in the gambrel ends.

Small Wood Building

A small wood structure is located near the northeast corner of Crib Barn #1, approximately 40 feet northwest of the rear of the primary residence (Figure 13). The structure is square in plan, measuring approximately 3 feet by 3 feet. The structure has a shed roof and wood weatherboard siding. The function of the building is unknown, though it may have been a privy.

The complex is recommended as not individually eligible, nor does it contribute to a potential historic district. Under Criterion A, the buildings are not associated with any significant event, activity, or theme in the agricultural development of the area. They had no direct involvement in significant events or activities contributing to the area's economy, productivity, or identity as an agricultural community. Under Criterion B, the buildings are not associated with the lives of persons significant in our past. Under Criterion C, the buildings generally lack architectural distinction. Additionally, they do not illustrate significant patterns of land use. Under Criterion D, the complex has not yielded, and is not likely to yield, information important to prehistory or history.

Data for 035-5136 has been uploaded to the VDHR Virginia Cultural Resource Information System ([V-CRIS](#)) and a hard copy survey file will be provided to the VDHR. If you have any questions or concerns, please do not hesitate to contact me by phone at 352-672-2619 or by e-mail at travis@searchinc.com.

Very respectfully,

Travis N. Fulk, M.A.
Architectural Historian

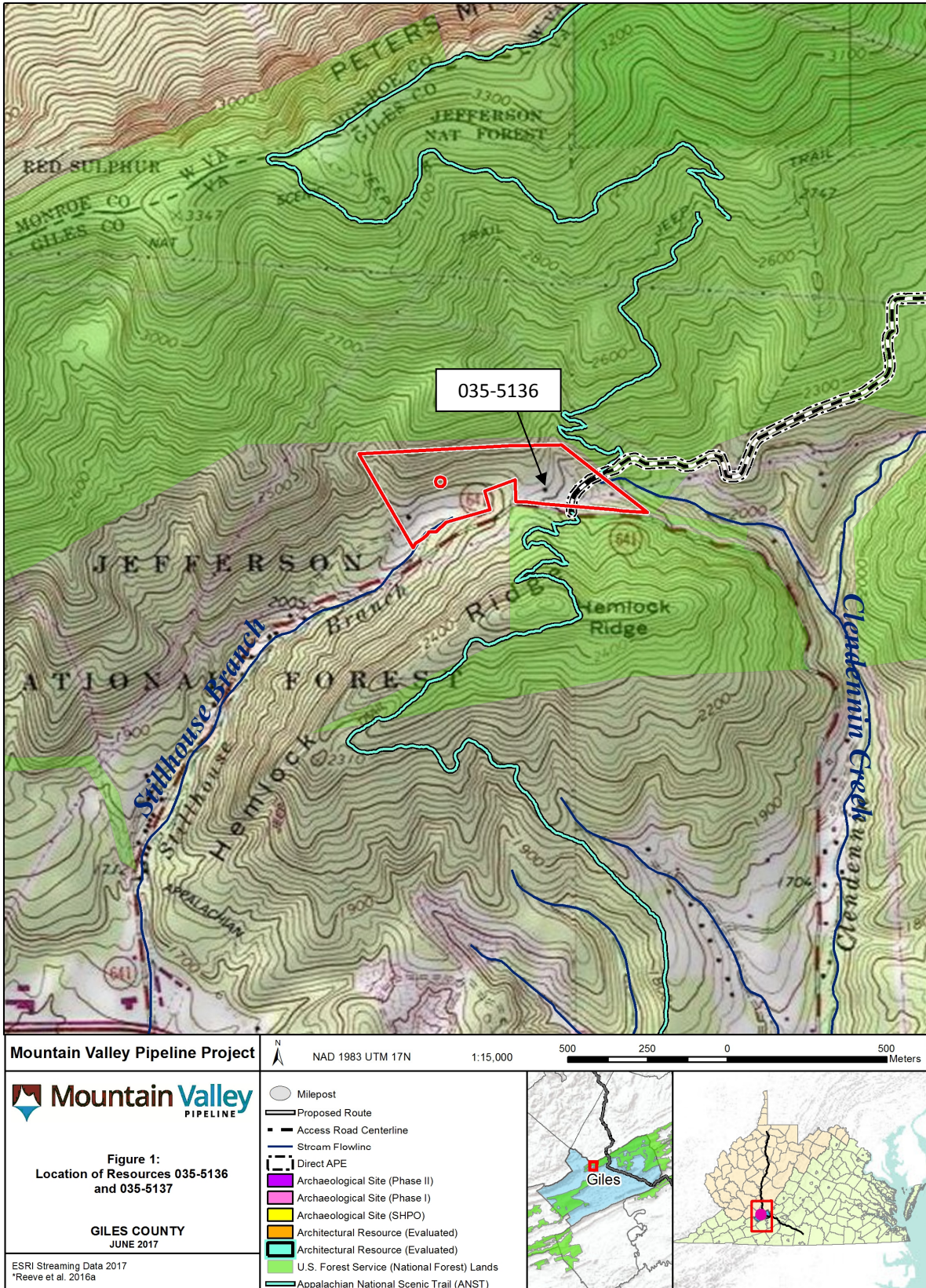


Figure 1. 035-5136 Location Map.

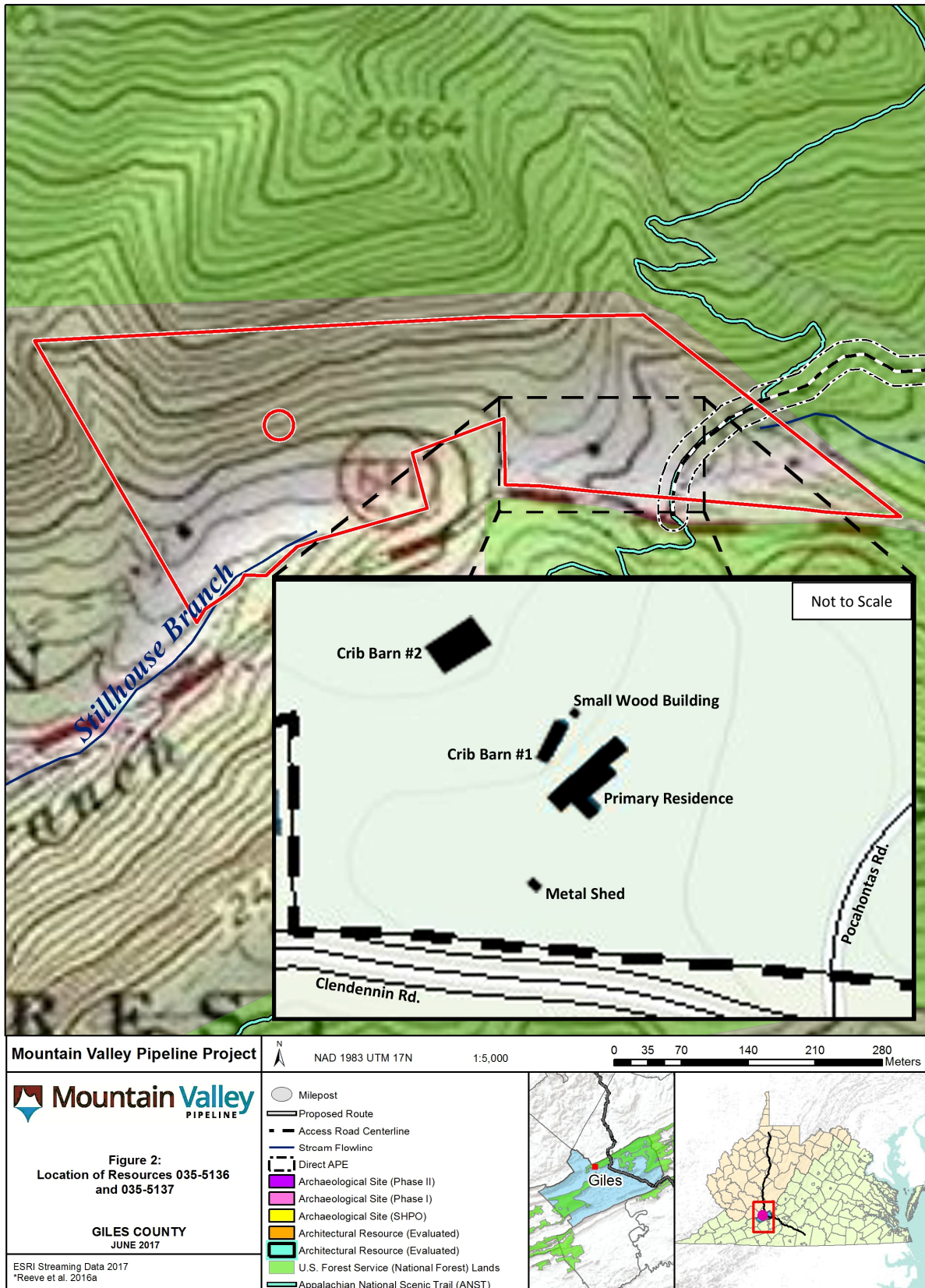


Figure 2. 035-5136 Location Map and Site Plan.



Figure 3. 035-5136, oblique facing west. Undated photo shows the southeast and northeast façades of the principal mass. Source: Virginia Mass Appraisal Network website (www.vamanet.com).



Figure 4. 035-5136, oblique facing west. Photo taken 23 June 2017, facing west.



Figure 5. 035-5136, southeast façade. Photo taken 23 June 2017, facing northwest.



Figure 6. 035-5136 with outbuildings. Photo taken 23 June 2017, facing north-northwest.



Figure 7. 035-5136 with outbuildings. Photo taken 23 June 2017, facing east.



Figure 8. 035-5136 with outbuildings. Photo taken 23 June 2017, facing north-northwest.



Figure 9. 035-5136 with outbuildings. Photo taken 23 June 2017, facing north-northeast.



Figure 10. 035-5136, Crib Barn #1. Photo taken 23 June 2017, facing northeast.



Figure 11. 035-5136, Crib Barn #2. Photo taken 23 June 2017, facing north.



Figure 12. 035-5136, Metal Shed. Photo taken 23 June 2017, facing east.



Figure 13. 035-5136, Small Wood Building. Photo taken 23 June 2017, facing west.

Appendix C

Master List (Revised June 2017)

Note: Yellow highlighting identifies entries that have been revised.

The Master List is divided into four sections for ease of presentation; each section lists all resources and provides unique information for each resource. Part 1 provides locational information and NRHP Status, Part 2 presents the results of the visual impact assessment, Part 3 describes construction-related effects for each resource, and Part 4 presents information related to operational impacts and the results of the Criteria of Effects Assessment.

Master List Historic Properties (Part 1 of 4) - Location in Relation to MVP

Shaded rows contain revisions.

VDHR ID	Name	Location	NRHP Status[1] and Criteria	Historic District	Nearest Milepost	Distance to Centerline (feet)	Nearest Project Feature	Distance to Nearest Project Feature	Located Within 0.5-Mile of Centerline	Located Within Permanent Easement
021-5012	Appalachian National Scenic Trail	N/A	Eligible	N/A	196.4	0 (Crossed by Conventional Bore)	Proposed MVP Permanent Easement	0 (Crossed by Conventional Bore)	YES	YES
033-0389	Flora Farm	40 Floradale Farms Lane	Listed A, C	N/A	255.7	874.9	Anode Bed - Temporary Work Space	446.5	YES	NO
033-5287; 080-5161-0340	Shaver Cemetery	Blue Ridge Parkway (Route 60)	Primary Contributing [3]	Bent Mountain Rural and Blue Ridge Parkway	247	1298.2	Workspace Limits	1203.7	YES	NO
033-5304	Clear View Dairy Farm	452 Listening Hill Rd (Rt 658)	Eligible A, C	N/A	280.7	58.5	Workspace Limits	21.0	YES	NO
033-5325	House	190 Windswept Lane	Eligible C	N/A	260.6	346.2	Access Road - Temporary Work Space	12.8	YES	NO
033-5329	House	Adney Gap Rd (Rt 643)	Eligible C	N/A	249.3	191.4	Workspace Limits	153.7	YES	NO
033-5398	House	7879 Grassy Hill Road (Route 919)	Eligible C	N/A	258.9	187.5	Additional Temporary Workspace	63.9	YES	NO
033-5400	House	1115 Leaning Oak (Route 782)	Eligible C	N/A	258.2	434.3	Additional Temporary Workspace	296.9	YES	NO
035-0004	Willowcroft	Off Route 460, Newport	Primary Contributing A, C	Greater Newport Rural	212.8	2403.7	Workspace Limits	2316.2	YES	NO
035-0018	Doe Creek Farm, Hoge's Orchard	412 Doe Creek Farm Road (Route 613)	Eligible A, C	N/A	207.3	114.3	Workspace Limits	26.8	YES	NO
035-0034	Berean Baptist Church	246 Hoot Owl Lane (Route 630)	Eligible C	N/A	201.6	751.5	Access Road - Temporary Work Space	47.9	YES	NO
035-0052	Sarver House	118 Old Newport Road, Newport	Primary Contributing A,C	Newport	213	1086.4	Workspace Limits	998.9	YES	NO
035-0053; 035-0151-0003	McElvey Store	500 Winding Way Drive, Newport	Primary Contributing A,C	Newport	213	1042.4	Workspace Limits	955.0	YES	NO
035-0054; 035-0151-0018	Albert Price House	275 Blue Grass Trail, Newport	Primary Contributing A,C	Newport	213	885.0	Workspace Limits	797.5	YES	NO
035-0055; 035-0151-0004	Eva Smith House	147 Mill Lane, Newport	Primary Contributing A,C	Newport	213	1564.0	Workspace Limits	1476.5	YES	NO
035-0056; 035-0151-0024	Payne Miller House	219 Blue Grass Trail, Newport	Primary Contributing A,C	Newport	213	1525.9	Workspace Limits	1441.4	YES	NO
035-0057; 035-0151-0013	Walker Mill	Mill Lane, Newport	Primary Contributing A,C	Newport	213	1440.2	Workspace Limits	1352.7	YES	NO

*See notes at the end of part 4 of 4

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035-0059	Newport United Methodist Church, Mt. Olivet United Methodist Church	311 Blue Grass Trail, Newport	Primary Contributing A,C	Newport	213	449.1	Workspace Limits	367.1	YES	NO
035-0151	Newport Historic District	N/A	Listed	Newport	213	910.6	Workspace Limits	827.1	YES	NO
035-0151-0001	Miller Building	110 Old Newport Road	Primary Contributing A,C	Newport	213	1058.8	Workspace Limits	977.6	YES	NO
035-0151-0002	Butler-Smith House	119 Mill Lane	Primary Contributing A,C	Newport	213	1220.4	Workspace Limits	1133.6	YES	NO
035-0151-0005	Yancey Hale House	160 Mill Lane	Primary Contributing A,C	Newport	213	1667.4	Workspace Limits	1579.8	YES	NO
035-0151-0006	Methodist Parsonage	302 Blue Grass Trail	Primary Contributing A,C	Newport	213	597.4	Workspace Limits	512.7	YES	NO
035-0151-0007	Hunter House	103 Old Newport Road	Primary Contributing A,C	Newport	213	970.5	Workspace Limits	890.2	YES	NO
035-0151-0008	Spruce Run Street	191 Mill Lane	Primary Contributing A,C	Newport	213	2046.6	Workspace Limits	1958.6	YES	NO
035-0151-0009	Miller Brothers Store	101 Old Newport Road	Primary Contributing A,C	Newport	213	933.4	Workspace Limits	849.7	YES	NO
035-0151-0010	George Buchanan House	245 Blue Grass Trail	Primary Contributing A,C	Newport	213	1283.8	Workspace Limits	1199.0	YES	NO
035-0151-0011	Walter Miller House	161 Mill Lane	Primary Contributing A,C	Newport	213	1742.2	Workspace Limits	1654.7	YES	NO
035-0151-0012	R. H. Moomaw/Sasser House	211 Mill Lane	Primary Contributing A,C	Newport	213	2347.5	Workspace Limits	2258.9	YES	NO
035-0151-0014	Pasterfield House	288 Blue Grass Trail	Primary Contributing A,C	Newport	213	739.1	Workspace Limits	660.1	YES	NO
035-0151-0015	C.A. Hardwick House	320 Blue Grass Trail, Newport	Primary Contributing A, C	Newport	213	378.9	Workspace Limits	292.0	YES	NO
035-0151-0016	Jemmison W. Payne House	199 Mill Lane	Primary Contributing A,C	Newport	213	2136.0	Workspace Limits	2047.7	YES	NO
035-0151-0017	Robert Payne House	210 Mill Lane	Primary Contributing A,C	Newport	213	2218.9	Workspace Limits	2130.3	YES	NO
035-0151-0020	Francis Payne Service Station	250 Blue Grass Trail	Primary Contributing A,C	Newport	213	1140.2	Workspace Limits	1060.1	YES	NO
035-0151-0021	Sinking Creek Valley Bank	263 Blue Grass Trail	Primary Contributing A,C	Newport	213	1078.4	Workspace Limits	993.1	YES	NO
035-0151-0022	Pent Taylor Store	494 Winding Way Drive	Primary Contributing A,C	Newport	213	1015.7	Workspace Limits	928.2	YES	NO
035-0151-0023	C.C. Wingo House	174 Mill Lane	Primary Contributing A,C	Newport	213	1853.7	Workspace Limits	1765.6	YES	NO
035-0151-XXXX [5]	Newport Masonic Lodge No. 261	278 Blue Grass Trail-Alt Route 42	Primary Contributing A,C	Newport	213	864.9	Workspace Limits	785.2	YES	NO
035-0412	Greater Newport Rural Historic District	N/A	Listed	Greater Newport Rural	215.2	0.0	Proposed MVP Permanent Easement	0.0	NO	YES
035-0412-0010	Adlie/Adlai Jones Farm (house, pole barn, and road trace)[8]	428 Steele Acres Road, Newport	Primary Contributing A,C	Greater Newport Rural	216.4	1791.2	Workspace Limits	1703.5	YES	NO
035-0412-0011	Leffel Mansion	199 Leffel Lane, Newport	Primary Contributing A,C	Greater Newport Rural	216.5	2033.6	Access Road - Temporary Work Space	1617.8	YES	NO
035-0412-0012	Mason House	119 Leffel Lane, Newport	Primary Contributing A,C	Greater Newport Rural	216.5	2389.1	Access Road - Temporary Work Space	1913.2	YES	NO
035-0412-0014	"Camper" cabin	206 Steel Acres Road, Newport	Primary Contributing A,C	Greater Newport Rural	216.5	2711.6	Access Road - Temporary Work Space	2138.8	NO	NO
035-0412-0022; 035-5073	Sinking Creek (Reynolds) Bridge	1576 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	216.1	2414.7	Workspace Limits	2326.9	YES	NO

*See notes at the end of part 4 of 4

Master List Historic Properties (Part 1 of 4) - Location in Relation to MVP

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035-0412-0034	Low Water Bridge	Southeast of Route 42 on Old Furnace Road, Newport	Primary Contributing A,C	Greater Newport Rural	215	352.1	Access Road - Temporary Work Space	30.3	YES	NO
035-0412-0035	Wilford Dowdy House	267 Old Furnace Road	Primary Contributing A,C	Greater Newport Rural	214.9	128.9	Workspace Limits	41.4	YES	NO
035-0412-0036	Iron Ore Smelting Furnace	192 Old Furnace Road, Newport	Primary Contributing A,C	Greater Newport Rural	215	1361.6	Access Road - Temporary Work Space	1025.0	YES	NO
035-0412-0037; 035-0058	Winding Brook Farm/Sheldon Dowdy Residence	158 Old Furnace Road, Newport	Primary Contributing A,C	Greater Newport Rural	215	1953.9	Access Road - Temporary Work Space	1606.7	YES	NO
035-0412-0046	Price Land/J.F. and Janet McMurray House	734 Blue Grass Trail, Newport	Primary Contributing A, C	Greater Newport Rural	214.3	2696.5	Access Road - Temporary Work Space	2422.9	NO	NO
035-0412-0049	Dode Caldwell Store	715 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	214.3	3262.0	Access Road - Temporary Work Space	2585.6	NO	NO
035-0412-0051	Clarence Chipkeffer/Reynolds House	639 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	213.4	2923.4	Access Road - Temporary Work Space	1470.1	NO	NO
035-0412-0052	Plunkett farm	291 Seven Oaks Road	Primary Contributing A,C	Greater Newport Rural	213.8	906.5	Access Road - Temporary Work Space	209.4	YES	NO
035-0412-0053	Garfield Bowyer House	175 Seven Oaks Road, Newport	Primary Contributing A,C	Greater Newport Rural	214.3	2064.3	Additional Temporary Workspace	1968.6	YES	NO
035-0412-0058	George Duncan Porterfield House	580 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	213.3	2258.3	Access Road - Temporary Work Space	719.0	YES	NO
035-0412-0059	Leffel/Givens House	580 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	213.3	1810.3	Access Road - Temporary Work Space	95.9	YES	NO
035-0412-0061	Frank Sibold House	497 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	213.2	1708.8	Access Road - Temporary Work Space	308.6	YES	NO
035-0412-0065	Newport High School	434 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	213.1	948.9	Access Road - Temporary Work Space	381.2	YES	NO
035-0412-0066	High School Agriculture Building	418 Blue Grass Trail, Newport	Primary Contributing A,C	Greater Newport Rural	213	816.8	Access Road - Temporary Work Space	318.6	YES	NO

*See notes at the end of part 4 of 4

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035-0412-0070	Hampton Smith House	161 Winding Way	Primary Contributing A,C	Greater Newport Rural	212.5	624.1	Additional Temporary Workspace	392.8	YES	NO
035-0412-0233	Graham Farrier Residence	100 Summit Lane, Newport	Primary Contributing A,C	Greater Newport Rural	212.3	1972.7	Additional Temporary Workspace	1571.0	YES	NO
035-0412-0234	Farrier Farm	157 Farrier Lane, Newport	Primary Contributing A,C	Greater Newport Rural	212.3	1209.9	Additional Temporary Workspace	808.9	YES	NO
035-0412-0235	Renquist Residence	Summit Lane, Newport	Primary Contributing A,C	Greater Newport Rural	212.7	1981.3	Additional Temporary Workspace	1869.2	YES	NO
035-0412-0237	Fidel Smith Store	152 Old Furnace Road, Newport	Primary Contributing A,C	Greater Newport Rural	212.1	127.3	Workspace Limits	39.8	YES	NO
035-0412-0241	Charles Atkins House	112 Smith Brothers Road	Primary Contributing A,C	Greater Newport Rural	211.5	452.7	Workspace Limits	365.2	YES	NO
035-0412-0242	Charles Atkins House	136 Smith Brothers Road	Primary Contributing A,C	Greater Newport Rural	211.5	414.2	Workspace Limits	325.0	YES	NO
035-0412-0244	Link Farm	100 Covered Bridge Lane	Primary Contributing A,C	Greater Newport Rural	211.1	463.6	Access Road - Temporary Work Space	7.8	YES	NO
035-0412-0245; 035-0005	1912 Sinking Creek Covered Bridge, Link Farm	129 Covered Bridge Lane	Primary Contributing and Individually Eligible A,C	Greater Newport Rural	211.2	327.8	Access Road - Permanent Work Space	10.1	YES	NO
035-0412-0246	Harvey Residence	382 Mountain Lake Road, Newport	Primary Contributing A,C	Greater Newport Rural	211	1194.0	Additional Temporary Workspace	1076.6	YES	NO
035-0412-0247	Ira and Zettie Porterfield House	425 Mountain Lake Road, Newport	Primary Contributing A,C	Greater Newport Rural	210.9	1410.2	Additional Temporary Workspace	1310.1	YES	NO
035-0412-0278	Chestnut Grove School	1516 Mountain Lake Road, Newport	Primary Contributing A, C	Greater Newport Rural	208.5	1079.6	Access Road - Temporary Work Space	89.7	YES	NO
035-0412-0282	Jim Breen Residence	Newport	Primary Contributing A, C	Greater Newport Rural	211.8	275.1	Workspace Limits	237.6	YES	NO
035-0412-0398	Sibold	105 Clover Hollow Road, Newport	Primary Contributing A,C	Greater Newport Rural	212.6	2040.2	Access Road - Temporary Work Space	1724.5	YES	NO
035-0412-0399	Hugh Givens Property	122 Clover Hollow Road, Newport	Primary Contributing A,C	Greater Newport Rural	213	1898.2	Access Road - Temporary Work Space	398.6	YES	NO

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035-0412-0417	Claude and Ida Link Homeplace	1670 Blue Grass trail, Newport	Primary Contributing A,C	Greater Newport Rural	211.3	463.3	Anode Bed - Temporary Work Space	355.3	YES	NO
035-0412-0418	Newsome Barn	579 Zell's Mill Road, Newport	Primary Contributing A, C	Greater Newport Rural	211.3	1290.4	Anode Bed - Temporary Work Space	1007.3	YES	NO
035-0412-0465	Cemetery	133 Mountain Lake Drive (Route 700)	Primary Contributing A, C	Greater Newport Rural	211.5	31.5	Workspace Limits	0.0	YES	NO
035-5106	Warthen House	176 Obie Lane	Eligible C	N/A	210.8	3181.5	Access Road - Temporary Work Space	942.4	NO	NO
035-5117	Masters House	752 Norcross Road (Route 684)	Primary Contributing, C	Big Stony Creek	200.5	3717.1	Workspace Limits	3629.6	NO	NO
035-5118	McDonald Place	587 Norcross Road (Route 684)	Primary Contributing, C	Big Stony Creek	200.5	1747.9	Workspace Limits	1665.3	YES	NO
035-5119	Big Stony United Methodist Church	347 Norcross Road (Route 684)	Primary Contributing C	Big Stony Creek	200.5	1111.3	Access Road - Temporary Work Space	420.9	YES	NO
035-5120	APG Lime Plant #2	114 APG II Plant Lane	Primary Contributing C	Big Stony Creek	200.5	2830.2	Access Road - Temporary Work Space	857.1	NO	NO
035-5121	Caldwell Boarding House	114 Rogers Rd	Primary Contributing C	Big Stony Creek	199.4	2781.9	Additional Temporary Workspace	1068.4	NO	NO
035-5122	House	129 Rogers Rd	Primary Contributing C	Big Stony Creek	199.4	2891.4	Additional Temporary Workspace	1070.1	NO	NO
035-5123	House	141 Rogers Rd	Primary Contributing C	Big Stony Creek	199.1	2828.6	Additional Temporary Workspace	956.9	NO	NO
035-5126	Big Stony Creek Railroad	linear	Primary Contributing, C	Big Stony Creek	200.5	0.0	Proposed MVP Permanent Easement	0.0	YES	YES
035-5127	Big Stony Creek Rural Historic District	N/A	Eligible	Big Stony Creek	200.5	0.0	Proposed MVP Permanent Easement	0.0	YES	YES
060-0290	Kent House	Route 460	Unevaluated (assumed Eligible)	N/A	219.6	1359.0	Additional Temporary Workspace	1212.2	YES	NO
060-0326; 060-0574-0105	Log Building/Bennett's Store	2137 Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.8	0.0	Proposed MVP Permanent Easement	0.0	YES	YES

Master List Historic Properties (Part 1 of 4) - Location in Relation to MVP

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060-0337	Slusser Farm	1875 Mount Tabor Road (Route 624)	Eligible	N/A	221.9	4214.3	Workspace Limits	4125.9	NO	NO
060-0340	Climens House	2190 Bishop Road	Unevaluated (assumed Eligible)	N/A	222	9765.4	Workspace Limits	9685.9	NO	NO
060-0415	Martin House	5520 North Fork Road (Route 603)	Eligible	N/A	234.1	5296.4	Temporary Ancillary Site	663.9	NO	NO
060-0574	North Fork Valley Rural Historic District	N/A	Listed	North Fork Valley Rural	227.1	540.9	Workspace Limits	501.9	YES	NO
060-0574-0001	Hahn Farm 1	Lusters Gate Road	Primary Contributing A,C,D	North Fork Valley Rural	226.9	18125.4	Access Road - Temporary Work Space	17745.6	NO	NO
060-0574-0003	House	Lusters Gate Road	Primary Contributing A,C,D	North Fork Valley Rural	226.7	15853.8	Access Road - Temporary Work Space	15217.8	NO	NO
060-0574-0043	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.7	5258.2	Access Road - Temporary Work Space	4571.3	NO	NO
060-0574-0044	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.8	2598.4	Additional Temporary Workspace	2293.8	YES	NO
060-0574-0048	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.8	1366.0	Access Road - Temporary Work Space	1043.0	YES	NO
060-0574-0052	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	225.8	1990.2	Workspace Limits	1902.7	YES	NO
060-0574-0055	barn	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	227.3	3204.3	Access Road - Permanent Work Space	2667.9	NO	NO
060-0574-0089	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	227.3	1708.4	Additional Temporary Workspace	843.9	YES	NO
060-0574-0125	Barn	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	227.4	26.0	Workspace Limits	3.5	YES	NO
060-0574-0126	Cemetery	3721 Mill Creek Road	Primary Contributing A,C,D	North Fork Valley Rural	224.5	5263.6	Access Road - Temporary Work Space	3874.4	NO	NO
060-0574-0127	Mill Dam	1814 Catawba Road (Route 785), Blacksburg	Primary Contributing A,C	North Fork Valley Rural	226.6	5380.4	Access Road - Temporary Work Space	4628.6	NO	NO
060-0574-0303	Luster's Gate General Store	Harding Road	Primary Contributing A,C,D	North Fork Valley Rural	226.7	15535.8	Access Road - Temporary Work Space	14850.2	NO	NO

*See notes at the end of part 4 of 4

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060-0574-0304	Cooperative Cheese Factory	Lusters Gate Road	Primary Contributing A,C,D	North Fork Valley Rural	226.7	15409.8	Access Road - Temporary Work Space	14729.2	NO	NO
060-0574-0315	Rutledge Farm	Lusters Gate Road	Primary Contributing A,C,D	North Fork Valley Rural	226.8	16969.5	Access Road - Temporary Work Space	16388.9	NO	NO
060-0574-0316	Luster's Gate School	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.7	14799.2	Access Road - Temporary Work Space	14107.8	NO	NO
060-0574-0318	Rutledge House	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.7	11953.4	Access Road - Temporary Work Space	11274.3	NO	NO
060-0574-0319	Slusher Hosue	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.7	11641.0	Access Road - Temporary Work Space	10959.1	NO	NO
060-0574-0321	log house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	224.5	5859.9	Access Road - Temporary Work Space	4461.9	NO	NO
060-0574-0322	Bennett's Mill	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.6	5393.0	Access Road - Temporary Work Space	4633.3	NO	NO
060-0574-0323	George Robinson Farm/barn	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.7	2944.9	Access Road - Temporary Work Space	2373.3	NO	NO
060-0574-0325	Solver Farm	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	227	5235.5	Additional Temporary Workspace	5040.0	NO	NO
060-0574-0326	Road side store (John Brown farm)	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.9	812.3	Additional Temporary Workspace	502.7	YES	NO
060-0574-0327	John Brown Farm /barn	Catawba Road (Route 785)	Primary Contributing A, C	North Fork Valley Rural	227	1275.2	Additional Temporary Workspace	1149.4	YES	NO
060-0574-0328	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.1	1527.4	Workspace Limits	1439.9	YES	NO
060-0574-0329	house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226.2	2275.4	Workspace Limits	2187.9	YES	NO
060-0574-0330	James Brown Farm	2537 Catawba Road	Primary Contributing A, C	North Fork Valley Rural	227.3	848.9	Access Road - Permanent Work Space	297.5	YES	NO

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060-0574-0331	log house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	227.3	1475.0	Access Road - Permanent Work Space	899.8	YES	NO
060-0574-0361	log house	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	226	2990.3	Workspace Limits	2902.4	NO	NO
060-0574-0362	Woods-Grubb Farm	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	227.3	3844.7	Additional Temporary Workspace	3217.7	NO	NO
060-0574-0366	Robinson Farm	Catawba Road (Route 785)	Primary Contributing A,C,D	North Fork Valley Rural	225.7	2359.9	Access Road - Temporary Work Space	1215.1	YES	NO
060-5170	Norfolk and Southern RR Corridor #1	North of Cove Hollow Road (Route 603)	Eligible A	N/A	235.5	0.0	Proposed MVP Permanent Easement	0.0	YES	YES
060-5171	Norfolk and Southern RR Corridor #2	Cannery Road (Route 773)	Eligible A	N/A	234.4	2089.7	Workspace Limits	2000.2	YES	NO
060-5172	Norfolk and Southern RR Bridge	Cove Hollow Road (Route 603)	Eligible A	N/A	231.8	6787.0	Access Road - Temporary Work Space	692.5	NO	NO
060-5178	House	2431 Mount Tabor Road	Unevaluated (assumed Eligible)	N/A	222	4646.6	Workspace Limits	4584.9	NO	NO
071-5483	Oak Grove Church and Cemetery	20581 US Highway 29	Eligible C	N/A	297.7	636.6	Access Road - Temporary Work Space	414.1	YES	NO
080-0047	Farm	11272 Rocky Road (Route 144)	Primary Contributing A, C	Bent Mountain Rural	245.8	1780.2	Workspace Limits	1691.9	YES	NO
080-0050	Barn	10935 Bottom Creek Rd (Rt 607)	Primary Contributing A, C	Bent Mountain Rural	245.1	3359.1	Workspace Limits	3269.4	NO	NO
080-0322	Bent Mountain Elementary School	10148 9370 Tinsley Ln (Rt 711)	Primary Contributing and Individually Eligible A, C	Bent Mountain Rural	243.8	1997.0	Additional Temporary Workspace	1777.0	YES	NO
080-0324	Sunnyside	9809 Tinsley Lane	Primary Contributing A, C	Bent Mountain Rural	243.7	4096.3	Access Road - Temporary Work Space	3118.2	NO	NO
080-0325	Reed's Farm	9207 Poor Mountain Road	Primary Contributing A, C	Bent Mountain Rural	243.3	5645.9	Access Road - Temporary Work Space	2843.4	NO	NO
080-0326	Thompson Grove Church	Bent Mountain Road (Route 221)	Eligible A, C	N/A	244	3667.9	Access Road - Temporary Work Space	3340.6	NO	NO

Master List Historic Properties (Part 1 of 4) - Location in Relation to MVP

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080-0328	Store	9526 Tinsley Lane	Primary Contributing A, C	Bent Mountain Rural	242.4	6641.2	Access Road - Temporary Work Space	3642.1	NO	NO
080-0487	House	10721 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	245.6	1881.0	Additional Temporary Workspace	426.5	YES	NO
080-0488	House	8566 Poor Mountain Road	Eligible C	N/A	241.9	883.3	Workspace Limits	845.8	YES	NO
080-0490	Janet Wynot House, Terry Place, Terry-Coles Cemetery	8701 Poor Mountain Road , Terry Place , Terry-Coles Cemetery	Primary Contributing A,C	Bent Mountain Rural and Coles-Terry Rural	242	2371.6	Additional Temporary Workspace	1697.6	YES	NO
080-0491	Log House	8315 Willet Lane	Eligible C	N/A	241.8	2314.6	Additional Temporary Workspace	1659.9	YES	NO
080-0493	House	9970 Tinsley Lane	Primary Contributing A,C	Bent Mountain Rural	243.8	1907.2	Additional Temporary Workspace	1669.3	YES	NO
080-0494	House	10808 Bottom Creek Road	Primary Contributing A,C	Bent Mountain Rural	244.9	2155.8	Workspace Limits	2081.6	YES	NO
080-0495	Logan Place Farm	11082 Mountain Top Drive	Primary Contributing A,C	Bent Mountain Rural	245.1	1621.5	Workspace Limits	1527.1	YES	NO
080-0497	House	11010 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	246.4	1112.2	Workspace Limits	1024.7	YES	NO
080-0498	House	11005 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	246.3	1081.8	Workspace Limits	994.3	YES	NO
080-0527	House	10396 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	247.2	3844.7	Access Road - Temporary Work Space	1680.1	NO	NO
080-0528	Gas Station	10402 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	247.2	4633.9	Access Road - Temporary Work Space	1361.3	NO	NO
080-0580	Little Hope Church, Primitive Baptist Church	7427 Cove Hollow Road	Eligible A	N/A	237.6	3285.2	Access Road - Temporary Work Space	628.4	NO	NO
080-5148	Conner Cemetery	Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	246.3	4302.1	Access Road - Temporary Work Space	330.7	NO	NO
080-5156	The Pines Cemetery	Tinsley Lane	Primary Contributing A,C	Bent Mountain Rural	243.3	4269.3	Access Road - Temporary Work Space	2193.2	NO	NO
080-5161	Blue Ridge Parkway Historic District	N/A	Eligible	Blue Ridge Parkway	246.6	0.0	Proposed MVP Permanent Easement	0.0	YES	YES

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080-5161-0188	Bridge	Spanning Callaway Rd (Rt 602) along Blue Ridge Parkway	Primary Contributing	Blue Ridge Parkway	246.5	451.4	Workspace Limits	363.9	YES	NO
080-5161-0341	Barn	Blue Ridge Parkway	Primary Contributing	Blue Ridge Parkway	246.4	1454.1	Workspace Limits	1416.6	YES	NO
080-5161-0342	Apple Storage Building	Callaway Road	Primary Contributing	Blue Ridge Parkway	246.6	643.1	Workspace Limits	605.6	YES	NO
080-5161-0343	Wimmer Cemetery	Blue Ridge Parkway	Primary Contributing	Blue Ridge Parkway	246.6	1212.9	Workspace Limits	1138.2	YES	NO
080-5161-0344	Earthen Dam	Calloway Road (Route 602)	Primary Contributing	Blue Ridge Parkway	246.7	669.6	Access Road - Temporary Work Space	511.7	YES	NO
080-5297	Elijah Henry House	8443 Poor Mountain Road (Route 612)	Eligible C	N/A	241.7	424.6	Access Road - Temporary Work Space	161.5	YES	NO
080-5326	Lawrence Cemetery	South side of Cobble Trail	Primary Contributing A,C	Bent Mountain Rural	244.4	2487.0	Access Road - Temporary Work Space	1303.5	YES	NO
080-5630	Board-and-Batten Cabin	11210 Bottom Creek Road (Route 607)	Primary Contributing A,C	Bent Mountain Rural	245.3	3564.9	Workspace Limits	3477.4	NO	NO
080-5631	House	11410 Rocky Road (Route 144)	Primary Contributing A,C	Bent Mountain Rural	245.7	1668.0	Workspace Limits	1577.2	YES	NO
080-5653	House	10498 Bent Mountain Rd (Rt 221)	Primary Contributing A,C	Bent Mountain Rural	246.2	2329.1	Access Road - Temporary Work Space	567.6	YES	NO
080-5654	Service Station	10661 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	245.5	2399.0	Access Road - Temporary Work Space	531.4	YES	NO
080-5655	House	10710 Bent Mountain Rd (Rt 221)	Primary Contributing A,C	Bent Mountain Rural	246.2	1837.4	Additional Temporary Workspace	479.2	YES	NO
080-5656	Store	10799 Bent Mountain Road	Primary Contributing A,C	Bent Mountain Rural	246.2	917.0	Additional Temporary Workspace	357.4	YES	NO
080-5657	House	10808 Bent Mountain Rd (Rt 221)	Primary Contributing A,C	Bent Mountain Rural	246.2	815.2	Additional Temporary Workspace	467.2	YES	NO
080-5658	Farmstead	10864 Bent Mountain Rd (Rt 221)	Primary Contributing A,C	Bent Mountain Rural	246.3	485.2	Anode Bed - Temporary Work Space	268.2	YES	NO
080-5659	House	11041 Clover Hill Rd (Rt 602)	Primary Contributing A,C	Bent Mountain Rural	246.5	875.3	Workspace Limits	787.8	YES	NO
080-5660	House	11062 Clover Hill Rd (Rt 602)	Primary Contributing A,C	Bent Mountain Rural	246.5	430.5	Workspace Limits	343.0	YES	NO

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080-5661	House	11028 Bent Mountain Rd (Rt 221)	Primary Contributing A,C	Bent Mountain Rural and Blue Ridge Parkway	246.4	1551.7	Workspace Limits	1464.2	YES	NO
080-5662	Farm	11072 Rocky Rd (Rt 144)	Primary Contributing A,C	Bent Mountain Rural	245.9	1421.6	Workspace Limits	1334.1	YES	NO
080-5663	House	11135 Rocky Rd (Rt 144)	Primary Contributing A,C	Bent Mountain Rural	245.8	1804.3	Workspace Limits	1716.8	YES	NO
080-5664	Storage Facility	10222 Bottom Creek Rd (Rt 607)	Primary Contributing A,C	Bent Mountain Rural	243.8	736.1	Additional Temporary Workspace	654.9	YES	NO
080-5665	House	10146 Bottom Creek Rd (Rt 607)	Primary Contributing A,C	Bent Mountain Rural	243.8	1164.9	Additional Temporary Workspace	924.0	YES	NO
080-5666	Lawrence Memorial United Methodist Church	9370 Tinsley Ln (Rt 711)	Primary Contributing A,C	Bent Mountain Rural	243.8	1865.9	Additional Temporary Workspace	1639.8	YES	NO
080-5667	Farm	9970 Tinsley Ln (Rt 711)	Primary Contributing A,C	Bent Mountain Rural	243.8	2286.8	Additional Temporary Workspace	2057.5	YES	NO
080-5668	Barn	10146 Bottom Creek Rd (Rt 607)	Primary Contributing A,C	Bent Mountain Rural	243.8	1402.9	Additional Temporary Workspace	1191.2	YES	NO
080-5669	House	Cobble Lane	Primary Contributing A,C	Bent Mountain Rural	244.4	2971.4	Access Road - Temporary Work Space	1755.9	NO	NO
080-5675	Television Broadcasting Complexes	Honeysuckle Rd (Rt 916)	Eligible A,C	N/A	240.2	1237.5	Workspace Limits	1150.0	YES	NO
080-5677	Bent Mountain Rural Historic District	N/A	Eligible	Bent Mountain Rural	244.7	0.0	Proposed MVP Permanent Easement	0.0	YES	YES
080-5677-0001	House	11070 Bottom Creek Road (Route 607)	Primary Contributing A,C	Bent Mountain Rural	245.2	3079.0	Workspace Limits	2986.0	NO	NO
080-5677-0002	House	10518 Bent Mountain Road (Route 221)	Primary Contributing A,C	Bent Mountain Rural	246.3	3904.9	Access Road - Temporary Work Space	149.2	NO	NO
080-5677-0003	House	10388 Bent Mountain Road (Route 221)	Primary Contributing A,C	Bent Mountain Rural	247.2	4691.8	Access Road - Temporary Work Space	1511.5	NO	NO
080-5677-0006	Cabin	10858 Green Hollow Drive, Bent Mountain	Primary Contributing A,C	Bent Mountain Rural	245.5	106.4	Workspace Limits	68.9	YES	NO
080-5677-0008	Henry-Gregory House	10568 Bottom Creek Road (Route 607), Bent Mountain	Primary Contributing A,C	Bent Mountain Rural	244.4	954.1	Access Road - Temporary Work Space	17.6	YES	NO

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080-5679	Grace Terry Moncure Farm	8701 Poor Mountain Rd, Bent Mountain	Primary Contributing A,C	Bent Mountain Rural and Coles-Terry Rural	242.8	507.9	Workspace Limits	420.4	YES	NO
080-5681	House 11091 Bent Mountain Rd Rt 221	11091 Bent Mountain Rd Rt 221	Primary Contributing A,C	Bent Mountain Rural	246.4	1997.5	Workspace Limits	1910.0	YES	NO
080-5689	Coles-Terry Rural Historic District	N/A	Eligible	Coles-Terry Rural	241.4	0.0	Proposed MVP Permanent Easement	0.0	YES	YES
080-5690	Henry-Waldron Cemetery	Poor Mountain Road, Bent Mountain	Primary Contributing A, C, and D	Coles-Terry Rural	241.6	821.1	Access Road - Temporary Work Space	13.6	YES	NO
Pending - Baker House [6]	Baker House	Poor Mountain Road, Bent Mountain	Primary Contributing A,C	Bent Mountain Rural and Coles-Terry Rural	242.5	3529.8	Access Road - Temporary Work Space	511.3	NO	NO
Pending - Coles Terry's House	Coles Terry's House / Orchard and Barn	Poor Mountain Road, Bent Mountain	Primary Contributing A, C	Bent Mountain Rural and Coles-Terry Rural	242.3	819.8	Workspace Limits	782.3	YES	NO
Pending - Fire Tower	Fire tower	Honeysuckle Road, Bent Mountain	Primary Contributing A,C	Coles-Terry Rural	241.1	3768.1	Additional Temporary Workspace	1495.5	NO	NO

Master List Historic Properties (Part 2 of 4) - Visual Assessment

VDHR ID	Name	Task 1 Result	Task 1 NLCD Viewshed Map (Page)	Task 2-Step 1 Result	Task 2-Step 1 Viewshed Analysis (Page)	Task 2-Step 2 Viewpoint A Result	Task 2-Step 2 Viewpoint B Result	Task 2-Step 2 Final Result [7]	Task 2 Viewpoint Renderings (Page)	Task 3 Result	Task 4-Step 1 Result	Task 4-Step 2 Result	Task 4-Step 2 Land Use Maps (Page)	Task 4-Step 3 Photo Simulation A	Task 4-Step 3 Photo Simulation B	Task 4-Step 3 Photo Simulation C	Task 4-Step 3 Photo Simulation D	Task 4-Step 3 Photo Simulation E	Task 4 Step 3 Final Result	Task 4-Step 3 Photo Simulations- Appendix J (Page)	VISUAL EFFECTS FINAL ASSESSMENT
021-5012	Appalachian National Scenic Trail	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	1	Pending USFS[2]	1	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	N/A	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]	Pending USFS[2]
033-0389	Flora Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	33	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	2	Inferior	Inferior	Inferior-Eliminated from further analysis	1,2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
033-5287; 080-5161-0340	Shaver Cemetery	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	VA Criteria of Effects Report: NPS Addendum (Appendix C)	Viewshed analysis indicated no visibility	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
033-5304	Clear View Dairy Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	36	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	4	Co-Dominant	Inferior	Co-Dominant-Eliminated from further analysis	3,4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
033-5325	House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	35	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	5	Inferior	Dominant	Dominant-Recommended for Task 3 assessment	5,6	Low Potential-Eliminated from further analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
033-5329	House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	32	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	6	Inferior	N/A	Inferior-Eliminated from further analysis	7,8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
033-5398	House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	34	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	7	Inferior	Inferior	Inferior-Eliminated from further analysis	9,10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
033-5400	House	Area no longer under project consideration-outside Project APE	34	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

Master List Historic Properties (Part 2 of 4) - Visual Assessment

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035-0004	Willowcroft	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0018	Doe Creek Farm, Hoge's Orchard	Chosen for Task 2 (Viewshed Analysis)	4	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	8	Inferior	Co-Dominant	Co-Dominant- Eliminated from further analysis	11,12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0034	Berean Baptist Church	Eliminated from further impact analysis due to distance and vegetation	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0052	Sarver House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0053; 035-0151-0003	McElvey Store	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0054; 035-0151-0018	Albert Price House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0055; 035-0151-0004	Eva Smith House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0056; 035-0151-0024	Payne Miller House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0057; 035-0151-0013	Walker Mill	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0059	Newport United Methodist Church, Mt. Olivet United Methodist Church	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	9	Inferior	N/A	Inferior- Eliminated from further analysis	13,14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT

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035-0151	Newport Historic District	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed analysis for individual contributing resources indicated visibility; viewpoint renderings for individual contributing resources recommended to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	N/A	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	N/A	High Potential-Recommended for Task 4 assessment	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	1	NHD-01: Inferior	N/A	N/A	N/A	N/A	Inferior	1	NO ADVERSE EFFECT
035-0151-0001	Miller Building	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0002	Butler-Smith House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0005	Yancey Hale House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0006	Methodist Parsonage	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	10	Inferior	N/A	Inferior-Eliminated from further analysis	15,16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0151-0007	Hunter House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0008	Spruce Run Street	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0009	Miller Brothers Store	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0010	George Buchanan House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0011	Walter Miller House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0012	R. H. Moomaw/Sasser House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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035-0151-0014	Pasterfield House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0015	C.A. Hardwick House	Chosen for Task 2 (Viewshed Analysis)	7	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	11	Inferior	N/A	Inferior-Eliminated from further analysis	17,18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0151-0016	Jemmison W. Payne House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0017	Robert Payne House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0020	Francis Payne Service Station	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0021	Sinking Creek Valley Bank	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0022	Pent Taylor Store	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-0023	C.C. Wingo House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0151-XXXX [5]	Newport Masonic Lodge No. 261	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412	Greater Newport Rural Historic District	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	5-10	Viewshed analysis for individual contributing resources indicated visibility; viewpoint renderings for individual contributing resources recommended to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	N/A	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	N/A	High Potential-Recommended for Task 4 assessment	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	2	GNR-01: Inferior	GNR-02: Inferior	GNR-03: Inferior	N/A	N/A	Inferior	2-4	NO ADVERSE EFFECT	

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035-0412-0010	Adlie/Adlai Jones Farm (house, pole barn, and road trace)[8]	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	10	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	12	Inferior	Inferior	Inferior-Eliminated from further analysis	19,20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0412-0011	Leffel Mansion	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	10	Viewshed model analysis indicated no visibility	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0012	Mason House	Eliminated from further impact analysis due to distance and vegetation	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0014	"Camper" cabin	Eliminated from further impact analysis due to distance and vegetation	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0022; 035 5073	Sinking Creek (Reynolds) Bridge	Eliminated from further impact analysis due to distance and vegetation	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0034	Low Water Bridge	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	9	Viewshed model analysis indicated no visibility	14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0035	Wilford Dowdy House	Eliminated from further impact analysis due to distance and vegetation	8, 9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0036	Iron Ore Smelting Furnace	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	9	Viewshed model analysis indicated no visibility	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0037; 035 0058	Winding Brook Farm/Sheldon Dowdy Residence	Eliminated from further impact analysis due to distance and vegetation	9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0046	Price Land/J.F. and Janet McMurray House	Eliminated from further impact analysis due to distance and vegetation	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0049	Dode Caldwell Store	Eliminated from further impact analysis due to distance and vegetation	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0051	Clarence Chipkeffer/Reynolds House	Area no longer under project consideration- outside Project APE	7, 8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0052	Plunkett farm	Eliminated from further impact analysis due to distance and vegetation	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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035-0412-0053	Garfield Bowyer House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	8	Viewshed model analysis indicated no visibility	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0058	George Duncan Porterfield House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0059	Leffel/Givens House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0061	Frank Sibold House	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0065	Newport High School	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed model analysis indicated no visibility	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0066	High School Agriculture Building	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	18	Inferior	Inferior	Inferior- Eliminated from further analysis	21,22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0412-0070	Hampton Smith House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed model analysis indicated no visibility	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0233	Graham Farrier Residence	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed model analysis indicated no visibility	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0234	Farrier Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed model analysis indicated no visibility	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0235	Renquist Residence	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed model analysis indicated no visibility	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0237	Fidel Smith Store	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	7	Viewshed model analysis indicated no visibility	23	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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035-0412-0241	Charles Atkins House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	6	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	24	Co-Dominant	Inferior	Co-Dominant-Eliminated from further analysis	23,24	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0412-0242	Charles Atkins House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	6	Viewshed model analysis indicated no visibility	25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0244	Link Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	6	Viewshed model analysis indicated no visibility	26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0245; 0350005	1912 Sinking Creek Covered Bridge, Link Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	6	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	27	Co-Dominant	Inferior	Co-Dominant-Eliminated from further analysis	25,26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
035-0412-0246	Harvey Residence	Eliminated from further impact analysis due to distance and vegetation	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0247	Ira and Zettie Porterfield House	Eliminated from further impact analysis due to distance and vegetation	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0278	Chestnut Grove School	Eliminated from further impact analysis due to distance and vegetation	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0282	Jim Breen Residence	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	6	Viewshed model analysis indicated no visibility	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0398	Sibold	Area no longer under project consideration-outside Project APE	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0399	Hugh Givens Property	Eliminated from further impact analysis due to distance and vegetation	7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0417	Claude and Ida Link Homeplace	Eliminated from further impact analysis due to distance and vegetation	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-0412-0418	Newsome Barn	Chosen for Task 2 (Viewshed Analysis)	6	Viewshed model analysis indicated no visibility	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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035-0412-0465	Cemetery	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	6	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	30	Co-Dominant	Dominant	Dominant-Recommended for Task 3 assessment	27,28	High Potential-contributing resource to historic district, further analysis will utilize Key Observation Points and consider the district as a whole	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	See Greater Newport Rural Historic District	NO ADVERSE EFFECT	
035-5106	Warthen House	Eliminated from further impact analysis due to distance and vegetation	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5117	Masters House	Area no longer under project consideration-outside Project APE	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5118	McDonald Place	Area no longer under project consideration-outside Project APE	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5119	Big Stony United Methodist Church	Eliminated from further impact analysis due to distance and vegetation	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5120	APG Lime Plant #2	Eliminated from further impact analysis due to distance and vegetation	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5121	Caldwell Boarding House	Eliminated from further impact analysis due to distance and vegetation	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5122	House	Eliminated from further impact analysis due to distance and vegetation	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5123	House	Eliminated from further impact analysis due to distance and vegetation	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
035-5126	Big Stony Creek Railroad	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	2, 3	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	31	Co-Dominant	Co-Dominant	Co-Dominant-Eliminated from further analysis	29,30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT

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035-5127	Big Stony Creek Rural Historic District	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	2, 3	Viewshed analysis for individual contributing resources indicated visibility; viewpoint renderings for individual contributing resources recommended to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	N/A	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	N/A	High Potential-Recommended for Task 4 assessment	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	3	BSC-01: Inferior	N/A	N/A	N/A	N/A	Inferior	5	NO ADVERSE EFFECT
060-0290	Kent House	Eliminated from further impact analysis due to distance and vegetation	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0326; 060-0574-0105	Log Building/Bennett's Store	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	-	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	32	Co-Dominant	Co-Dominant	Co-Dominant-Eliminated from further analysis	31,32	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0337	Slusser Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix C	Viewshed model analysis indicated no visibility	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix D	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0340	Climens House	Area no longer under project consideration-outside Project APE	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0415	Martin House	Area no longer under project consideration-outside Project APE	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT

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060-0574	North Fork Valley Rural Historic District	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	13-19	Viewshed analysis for individual contributing resources indicated visibility; viewpoint renderings for individual contributing resources recommended to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	N/A	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	N/A	High Potential-Recommended for Task 4 assessment	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	4	NFV-01: Inferior	NFV-02: Inferior	NFV-03: Inferior	NFV-04: Co-Dominant	NFV-05: Inferior	Co-Dominant	6-10	NO ADVERSE EFFECT	
060-0574-0001	Hahn Farm 1	Area no longer under project consideration-outside Project APE	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0003	House	Area no longer under project consideration-outside Project APE	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0043	house	Area no longer under project consideration-outside Project APE	15, 17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0044	house	Area no longer under project consideration-outside Project APE	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0048	house	Eliminated from further impact analysis due to distance and vegetation	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0052	house	Area no longer under project consideration-outside Project APE	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0055	barn	Area no longer under project consideration-outside Project APE	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0089	house	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	13, 16	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	33	Inferior	Inferior	Inferior-Eliminated from further analysis	33,34	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0574-0125	Barn	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	16	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	34	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	35,36	High Potential-contributing resource to historic district, further analysis will utilize Key Observation Points and consider the district as a whole	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	See North Fork Valley Rural Historic District	NO ADVERSE EFFECT

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060-0574-0126	Cemetery	Area no longer under project consideration-outside Project APE	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0127	Mill Dam	Area no longer under project consideration-outside Project APE	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0303	Luster's Gate General Store	Area no longer under project consideration-outside Project APE	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0304	Cooperative Cheese Factory	Area no longer under project consideration-outside Project APE	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0315	Rutledge Farm	Area no longer under project consideration-outside Project APE	19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0316	Luster's Gate School	Area no longer under project consideration-outside Project APE	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0318	Rutledge House	Area no longer under project consideration-outside Project APE	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0319	Slusher Hosue	Area no longer under project consideration-outside Project APE	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0321	log house	Area no longer under project consideration-outside Project APE	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0322	Bennett's Mill	Area no longer under project consideration-outside Project APE	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0323	George Robinson Farm/barn	Area no longer under project consideration-outside Project APE	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0325	Solver Farm	Area no longer under project consideration-outside Project APE	17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0326	Road side store (John Brown farm)	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	16	Viewshed model analysis indicated no visibility	35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0327	John Brown Farm /barn	Chosen for Task 2 (Viewshed Analysis)	16	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	36	Inferior	Inferior	Inferior-Eliminated from further analysis	37,38	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0574-0328	house	Eliminated from further impact analysis due to distance and vegetation	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0329	house	Area no longer under project consideration-outside Project APE	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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060-0574-0330	James Brown Farm	Chosen for Task 2 (Viewshed Analysis)	16	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	37	Inferior	Co-Dominant	Co-Dominant- Eliminated from further analysis	39,40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0574-0331	log house	=C15	16	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	38	Inferior	Co-Dominant	Co-Dominant- Eliminated from further analysis	41,42	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-0574-0361	log house	Area no longer under project consideration- outside Project APE	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0362	Woods-Grubb Farm	Area no longer under project consideration- outside Project APE	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-0574-0366	Robinson Farm	Eliminated from further impact analysis due to distance and vegetation	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-5170	Norfolk and Southern RR Corridor #1	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	21	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	39	Inferior	Inferior	Inferior- Eliminated from further analysis	43-46	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
060-5171	Norfolk and Southern RR Corridor #2	Area no longer under project consideration- outside Project APE	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-5172	Norfolk and Southern RR Bridge	Area no longer under project consideration- outside Project APE	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
060-5178	House	Eliminated from further impact analysis due to distance and vegetation		Phase I and Criteria of Effects Addendum 2 (July 2017)- Appendix C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
071-5483	Oak Grove Church and Cemetery	Area no longer under project consideration- outside Project APE	37	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0047	Farm	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0050	Barn	Area no longer under project consideration- outside Project APE	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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080-0322	Bent Mountain Elementary School	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0324	Sunnyside	Eliminated from further impact analysis due to distance and vegetation	26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0325	Reed's Farm	Eliminated from further impact analysis due to distance and vegetation	26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0326	Thompson Grove Church	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0328	Store	Eliminated from further impact analysis due to distance and vegetation	26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0487	House	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0488	House	Eliminated from further impact analysis due to distance and vegetation	25, 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0490	Janet Wynot House, Terry Place, Terry-Coles Cemetery	Eliminated from further impact analysis due to distance and vegetation	25, 26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0491	Log House	Eliminated from further impact analysis due to distance and vegetation	25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0493	House	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0494	House	Eliminated from further impact analysis due to distance and vegetation	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0495	Logan Place Farm	Eliminated from further impact analysis due to distance and vegetation	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0497	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0498	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0527	House	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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080-0528	Gas Station	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-0580	Little Hope Church, Primitive Baptist Church	Eliminated from further impact analysis due to distance and vegetation	22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5148	Conner Cemetery	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5156	The Pines Cemetery	Eliminated from further impact analysis due to distance and vegetation	26	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5161	Blue Ridge Parkway Historic District	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	See Blue Ridge Parkway (BLRI) Visual Impact Analysis (VIA) (Revised May 2017)	NO ADVERSE EFFECT
080-5161-0188	Bridge	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	VA Criteria of Effects Report: NPS Addendum (Appendix C)	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	VA Criteria of Effects Report: NPS Addendum (Appendix D)	Inferior	Inferior	Inferior-Eliminated from further analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
080-5161-0341	Barn	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	VA Criteria of Effects Report: NPS Addendum (Appendix C)	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	VA Criteria of Effects Report: NPS Addendum (Appendix D)	Inferior	Inferior	Inferior-Eliminated from further analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
080-5161-0342	Apple Storage Building	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	VA Criteria of Effects Report: NPS Addendum (Appendix C)	Viewshed analysis indicated no visibility	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5161-0343	Wimmer Cemetery	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	VA Criteria of Effects Report: NPS Addendum (Appendix C)	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	VA Criteria of Effects Report: NPS Addendum (Appendix D)	Inferior	Inferior	Inferior-Eliminated from further analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT

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080-5161-0344	Earthen Dam	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	VA Criteria of Effects Report: NPS Addendum (Appendix C)	Viewshed analysis indicated no visibility	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5297	Elijah Henry House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	25	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	41	Inferior	Dominant	Dominant-Recommended for Task 3 assessment	47,48	Low Potential-Eliminated from further analysis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
080-5326	Lawrence Cemetery	Eliminated from further impact analysis due to distance and vegetation	28, 30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5630	Board-and-Batten Cabin	Area no longer under project consideration-outside Project APE	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5631	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5653	House	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5654	Service Station	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5655	House	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5656	Store	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	30, 31	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	42	Inferior	N/A	Inferior-Eliminated from further analysis	49,50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
080-5657	House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	30, 31	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	43	Inferior	N/A	Inferior-Eliminated from further analysis	51,52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT
080-5658	Farmstead	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	30, 31	Viewshed model analysis indicated no visibility	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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080-5659	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5660	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5661	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5662	Farm	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5663	House	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5664	Storage Facility	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5665	House	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5666	Lawrence Memorial United Methodist Church	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5667	Farm	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5668	Barn	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5669	House	Eliminated from further impact analysis due to distance and vegetation	28, 30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5675	Television Broadcasting Complexes	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	23	Viewshed model analysis indicated no visibility	45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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080-5677	Bent Mountain Rural Historic District	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	25-31	Viewshed analysis for individual contributing resources indicated visibility; viewpoint renderings for individual contributing resources recommended to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	N/A	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	N/A	High Potential-Recommended for Task 4 assessment	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	5	BMR-01: Inferior	BMR-02: Inferior	N/A	N/A	N/A	Inferior	11-12	NO ADVERSE EFFECT
080-5677-0001	House	Area no longer under project consideration-outside Project APE	29	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5677-0002	House	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5677-0003	House	Eliminated from further impact analysis due to distance and vegetation	30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5677-0006	Cabin	Chosen for Task 2 (Viewshed Analysis)	29	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	46	Inferior	Dominant	Dominant-Recommended for Task 3 assessment	53,54	High Potential-contributing resource to historic district, further analysis will utilize Key Observation Points and consider the district as a whole	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	See Bent Mountain Rural Historic District	NO ADVERSE EFFECT
080-5677-0008	Henry-Gregory House	Eliminated from further impact analysis due to distance and vegetation	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5679	Grace Terry Moncure Farm	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	27	Viewshed model analysis indicated no visibility	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT
080-5681	House 11091 Bent Mountain Rd Rt 221	Eliminated from further impact analysis due to distance and vegetation	31	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO EFFECT

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080-5689	Coles-Terry Rural Historic District	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	23-27	Viewshed analysis for individual contributing resources indicated visibility; viewpoint renderings for individual contributing resources recommended to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	N/A	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	N/A	High Potential-Recommended for Task 4 assessment	See Criteria of Effects Report Table 4.1.4	See Criteria of Effects Report Appendix H	6	CTR-01: Inferior	CTR-02: Inferior	CTR-03: Inferior	N/A	N/A	Inferior	13-15	NO ADVERSE EFFECT
080-5690	Henry-Waldron Cemetery	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix C	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix D	Dominant	Dominant	Dominant-Recommended for Task 3 assessment	Phase I and Criteria of Effects Addendum 2 (July 2017)-Appendix E	High Potential-contributing resource to historic district, further analysis will utilize Key Observation Points and consider the district as a whole	See Criteria of Effects Report Table 4.1.4.	See Criteria of Effects Report Appendix H	See Criteria of Effects Report-Appendix H	CTR-01: Inferior	CTR-02: Inferior	CTR-03: Inferior	N/A	N/A	Inferior	See Criteria of Effects Report, Appendix J pp.13-16	NO ADVERSE EFFECT
Pending - Baker House [6]	Baker House	Chosen for Task 2 action (viewshed analysis) based on NLCD Viewshed model and Google Earth terrain model	26	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	48	Inferior	Inferior	Inferior-Eliminated from further analysis	55,56	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT

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VDHR ID	Name	Task 1 Result	Task 1 NLCD Viewshed Map (Page)	Task 2-Step 1 Result	Task 2-Step 1 Viewshed Analysis (Page)	Task 2-Step 2 Viewpoint A Result	Task 2-Step 2 Viewpoint B Result	Task 2-Step 2 Final Result [7]	Task 2 Viewpoint Renderings (Page)	Task 3 Result	Task 4-Step 1 Result	Task 4-Step 2 Result	Task 4-Step 2 Land Use Maps (Page)	Task 4-Step 3 Photo Simulation A	Task 4-Step 3 Photo Simulation B	Task 4-Step 3 Photo Simulation C	Task 4-Step 3 Photo Simulation D	Task 4-Step 3 Photo Simulation E	Task 4 Step 3 Final Result	Task 4-Step 3 Photo Simulations- Appendix J (Page)	VISUAL EFFECTS FINAL ASSESSMENT
Pending - Coles Terry's House	Coles Terry's House / Orchard and Barn	Chosen for Task 2 (Viewshed Analysis)	26	Viewshed analysis indicated visibility; chosen for viewpoint renderings to assess the nature and extent of viewshed impacts within the context of the surrounding landscape	49	Co-Dominant	Inferior	Co-Dominant- Eliminated from further analysis	57,58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
021-5012	Appalachian National Scenic Trail	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction right-of-way will be cleared of vegetation prior to construction to provide safe working conditions. Along with implementing restoration measures contained in the FERC Plan, MVP is working with the Wildlife Habitat Council , to incorporate principles of Integrated Vegetation Management into MVP's right-of-way maintenance. Integrated Vegetation Management incorporates seed mix selection, vegetation maintenance scheduling, and selection of mechanical vegetation maintenance techniques to encourage a low ground cover of native species that flower for a long duration of the growing season. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Impacts Assessment for the NPS (Appendix M).	Conventional Bore (See Bore Plan-Appendix)	NO ADVERSE EFFECT
033-0389	Flora Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
033-5287; 080-5161-0340	Shaver Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
033-5304	Clear View Dairy Farm	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	As a working dairy farm higher vibration criteria are likely to be acceptable. Inspection is recommended due to close proximity to pipeline LOD. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian. Equipment necessary for vibration intensive activities in close proximity to historic structures will be selected judiciously. On the basis of the screening threshold distances identified (Appendix K) precautionary restrictions will be implemented. Should impacts from construction occur, MVP will work to address and resolve complaints regarding the construction and/or operation of the Project in a timely manner. If the landowner's concerns involve historic properties, a qualified architectural historian will be involved in the complaint resolution process.	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
033-5325	House	At 190 Windswept Lane, sound levels due to access road construction exceed the FTA 8-hour criteria sound level of 80 dBA with predicted sound levels of 82.3 and 81.8 dBA, respectively. These are small exceedances and are due to the proximity of the properties to the access road work areas. The access road construction activities are expected to take only a few days for each area and will occur only during daytime hours. Due to the very short-term, daytime-only nature of the access road construction noises and the highly varying response of different residents to noise, no specific noise mitigation is recommended for these activities.	As an occupied structure higher vibration criteria are likely to be acceptable. Inspection is recommended due to close proximity to access road. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	The house's existing driveway will be utilized by MVP as a temporary access road; however, driveway access will be maintained during construction (See Avoidance Plan-Appendix P)	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian. Equipment necessary for vibration intensive activities in close proximity to historic structures will be selected judiciously. On the basis of the screening threshold distances identified (Appendix K) precautionary restrictions will be implemented. Should impacts from construction occur, MVP will work to address and resolve complaints regarding the construction and/or operation of the Project in a timely manner. If the landowner's concerns involve historic properties, a qualified architectural historian will be involved in the complaint resolution process. Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P).	NO ADVERSE EFFECT
033-5329	House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
033-5398	House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	An additional temporary workspace is located adjacent to the house's existing driveway, however, a proposed temporary access road will be utilized, instead of the existing driveway, to access the workspace. Driveway access will be maintained during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
033-5400	House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0004	Willowcroft	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0018	Doe Creek Farm, Hoge's Orchard	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Inspection of this structure is likely to determine higher vibration levels are acceptable. Alternatively, careful equipment selection can prevent damage. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	The MVP pipeline will intersect the existing access road to the Doe Creek Farm; however, this road is a public road and ingress and egress to the property will be maintained during construction by temporary rerouting (the property can be assessed from both directions).	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian. Equipment necessary for vibration intensive activities in close proximity to historic structures will be selected judiciously. On the basis of the screening threshold distances identified (Appendix K) precautionary restrictions will be implemented. Should impacts from construction occur, MVP will work to address and resolve complaints regarding the construction and/or operation of the Project in a timely manner. If the landowner's concerns involve historic properties, a qualified architectural historian will be involved in the complaint resolution process. Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P).	NO ADVERSE EFFECT
035-0034	Berean Baptist Church	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	The MVP pipeline will intersect the existing access road to the Berean Baptist Church; however, this road is a public road and ingress and egress to the property will be maintained during construction by temporary rerouting (the property can be assessed from both directions).	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
035-0052	Sarver House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0053; 035-0151-0003	McElvey Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0054; 035-0151-0018	Albert Price House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0055; 035-0151-0004	Eva Smith House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0056; 035-0151-0024	Payne Miller House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0057; 035-0151-0013	Walker Mill	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0059	Newport United Methodist Church, Mt. Olivet United Methodist Church	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151	Newport Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0001	Miller Building	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0002	Butler-Smith House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0005	Yancey Hale House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0006	Methodist Parsonage	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0007	Hunter House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0008	Spruce Run Street	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0151-0009	Miller Brothers Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0010	George Buchanan House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0011	Walter Miller House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0012	R. H. Moomaw/Sasser House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0014	Pasterfield House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0015	C.A. Hardwick House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0016	Jemmison W. Payne House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0017	Robert Payne House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0020	Francis Payne Service Station	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0021	Sinking Creek Valley Bank	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0151-0022	Pent Taylor Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-0023	C.C. Wingo House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0151-XXXX [5]	Newport Masonic Lodge No. 261	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412	Greater Newport Rural Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0010	Adlie/Adlai Jones Farm (house, pole barn, and road trace)[8]	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0011	Leffel Mansion	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0012	Mason House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0014	"Camper" cabin	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0022; 035-5073	Sinking Creek (Reynolds) Bridge	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

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VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0412-0034	Low Water Bridge	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Predicted maximum vibration is due to work near the structure. Higher vibration would be generated by heavy vehicles if travelling over this bridge. An inspection is recommended if heavy construction traffic will use the bridge to connect to the construction access road. Bridge structure is an existing lightly trafficked structure so the precautionary thresholds are likely to be over conservative. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian. Equipment necessary for vibration intensive activities in close proximity to historic structures will be selected judiciously. On the basis of the screening threshold distances identified (Appendix K) precautionary restrictions will be implemented. Should impacts from construction occur, MVP will work to address and resolve complaints regarding the construction and/or operation of the Project in a timely manner. If the landowner's concerns involve historic properties, a qualified architectural historian will be involved in the complaint resolution process.	NO ADVERSE EFFECT
035-0412-0035	Wilford Dowdy House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Structure located between access road and pipeline route. Exceedance of precautionary threshold is marginal. Inspection of this structure is likely to determine higher vibration levels are acceptable. Alternatively, careful equipment selection can prevent damage. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	An existing access road for the Wilford Dowdy will be used temporarily by MVP during construction, during which access to the house will be maintained.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
035-0412-0036	Iron Ore Smelting Furnace	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0037; 035-0058	Winding Brook Farm/Sheldon Dowdy Residence	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0046	Price Land/J.F. and Janet McMurray House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0049	Dode Caldwell Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0051	Clarence Chipkeffer/Reynolds House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0052	Plunkett farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT

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VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0412-0053	Garfield Bowyer House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0058	George Duncan Porterfield House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0059	Leffel/Givens House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0061	Frank Sibold House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0065	Newport High School	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0066	High School Agriculture Building	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0070	Hampton Smith House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0233	Graham Farrier Residence	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0234	Farrier Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0235	Renquist Residence	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

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VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0412-0237	Fidel Smith Store	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Marginal threshold exceedance only. This property is located adjacent to a main road and the precautionary thresholds are likely to be over conservative. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian. Equipment necessary for vibration intensive activities in close proximity to historic structures will be selected judiciously. On the basis of the screening threshold distances identified (Appendix K) precautionary restrictions will be implemented. Should impacts from construction occur, MVP will work to address and resolve complaints regarding the construction and/or operation of the Project in a timely manner. If the landowner's concerns involve historic properties, a qualified architectural historian will be involved in the complaint resolution process.	NO ADVERSE EFFECT
035-0412-0241	Charles Atkins House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0242	Charles Atkins House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0244	Link Farm	At the Link Farm, sound levels due to access road construction exceed the FTA 8-hour criteria sound level of 80 dBA with predicted sound levels of 82.3 and 81.8 dBA, respectively. These are small exceedances and are due to the proximity of the properties to the access road work areas. The access road construction activities are expected to take only a few days for each area and will occur only during daytime hours. Due to the very short-term, daytime-only nature of the access road construction noises and the highly varying response of different residents to noise, no specific noise mitigation is recommended for these activities.	The shed is in close proximity to the access road. Inspection is recommended if vibration intensive equipment is required to construct access road. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	Public and private access roads leading to the Link Farm will be utilized by MVP for temporary access during construction; however, access to the Link farm from the public and private road will be maintained during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0412-0245; 035-0005	1912 Sinking Creek Covered Bridge, Link Farm	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	The covered bridge is in close proximity to the access road. Inspection is recommended to determine vibration criteria. Monitoring is likely to be required to ensure vibration criteria are not exceeded. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0246	Harvey Residence	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0247	Ira and Zettie Porterfield House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0278	Chestnut Grove School	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0282	Jim Breen Residence	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-0412-0398	Sibold	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0399	Hugh Givens Property	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0417	Claude and Ida Link Homeplace	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-0412-0418	Newsome Barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-0412-0465	Cemetery	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	The cemetery is located outside, but adjacent to the centerline LOD; however, access to the cemetery through the protective fencing will be maintained during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
035-5106	Warthen House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-5117	Masters House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-5118	McDonald Place	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-5119	Big Stony United Methodist Church	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-5120	APG Lime Plant #2	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
035-5121	Caldwell Boarding House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-5122	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
035-5123	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

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VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
035-5126	Big Stony Creek Railroad	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction right-of-way will be cleared of vegetation prior to construction to provide safe working conditions. Along with implementing restoration measures contained in the FERC Plan, MVP is working with the Wildlife Habitat Council , to incorporate principles of Integrated Vegetation Management into MVP's right-of-way maintenance. Integrated Vegetation Management incorporates seed mix selection, vegetation maintenance scheduling, and selection of mechanical vegetation maintenance techniques to encourage a low ground cover of native species that flower for a long duration of the growing season.	Conventional Bore (See Bore Plan-Appendix)	NO ADVERSE EFFECT
035-5127	Big Stony Creek Rural Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0290	Kent House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0326; 060-0574-0105	Log Building/Bennett's Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0337	Slusser Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0340	Climens House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0415	Martin House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574	North Fork Valley Rural Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0001	Hahn Farm 1	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0003	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT

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VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
060-0574-0043	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0044	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0048	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0052	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0055	barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0089	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0125	Barn	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Inspection of this structure and determination of specific vibration criteria is recommended due to its close proximity to the work. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	The existing farm road leading to this barn will be contained within an additional temporary workspace; however, access to the barn will be maintained during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
060-0574-0126	Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0127	Mill Dam	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0303	Luster's Gate General Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0304	Cooperative Cheese Factory	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
060-0574-0315	Rutledge Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0316	Luster's Gate School	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0318	Rutledge House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0319	Slusher Hosue	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0321	log house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0322	Bennett's Mill	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0323	George Robinson Farm/barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0325	Solver Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0326	Road side store (John Brown farm)	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0327	John Brown Farm /barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0328	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
060-0574-0329	house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0330	James Brown Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0331	log house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-0574-0361	log house	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0362	Woods-Grubb Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-0574-0366	Robinson Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-5170	Norfolk and Southern RR Corridor #1	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction right-of-way will be cleared of vegetation prior to construction to provide safe working conditions. Along with implementing restoration measures contained in the FERC Plan, MVP is working with the Wildlife Habitat Council, to incorporate principles of Integrated Vegetation Management into MVP's right-of-way maintenance. Integrated Vegetation Management incorporates seed mix selection, vegetation maintenance scheduling, and selection of mechanical vegetation maintenance techniques to encourage a low ground cover of native species that flower for a long duration of the growing season.	Conventional Bore (See Bore Plan-Appendix)	NO ADVERSE EFFECT
060-5171	Norfolk and Southern RR Corridor #2	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
060-5172	Norfolk and Southern RR Bridge	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
060-5178	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	See Avoidance Plan-Phase I and Criteria of Effects Report Addendum 2-Appendix F	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
071-5483	Oak Grove Church and Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0047	Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0050	Barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0322	Bent Mountain Elementary School	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0324	Sunnyside	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0325	Reed's Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0326	Thompson Grove Church	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0328	Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0487	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0488	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0490	Janet Wynot House, Terry Place, Terry-Coles Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
080-0491	Log House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0493	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0494	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0495	Logan Place Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0497	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0498	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-0527	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0528	Gas Station	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-0580	Little Hope Church, Primitive Baptist Church	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5148	Conner Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5156	The Pines Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
080-5161	Blue Ridge Parkway Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP intersects the Blue Ridge Parkway; however, public access will be maintained during construction.	The pipeline construction right-of-way will be cleared of vegetation prior to construction to provide safe working conditions. Along with implementing restoration measures contained in the FERC Plan, MVP is working with the Wildlife Habitat Council , to incorporate principles of Integrated Vegetation Management into MVP's right-of-way maintenance. Integrated Vegetation Management incorporates seed mix selection, vegetation maintenance scheduling, and selection of mechanical vegetation maintenance techniques to encourage a low ground cover of native species that flower for a long duration of the growing season. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Impacts Assessment for the NPS (Appendix L).	Conventional Bore (See Bore Plan-Appendix P)	NO ADVERSE EFFECT
080-5161-0188	Bridge	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5161-0341	Barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5161-0342	Apple Storage Building	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5161-0343	Wimmer Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5161-0344	Earthen Dam	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5297	Elijah Henry House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5326	Lawrence Cemetery	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5630	Board-and-Batten Cabin	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
080-5631	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5653	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5654	Service Station	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5655	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5656	Store	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5657	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5658	Farmstead	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5659	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5660	House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
080-5661	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5662	Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5663	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5664	Storage Facility	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5665	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5666	Lawrence Memorial United Methodist Church	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5667	Farm	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5668	Barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5669	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5675	Television Broadcasting Complexes	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report-Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
080-5677	Bent Mountain Rural Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5677-0001	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5677-0002	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5677-0003	House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
080-5677-0006	Cabin	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Inspection of this structure may determine higher vibration levels are acceptable. Alternatively, careful equipment selection can prevent damage. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	The pipeline will cross the existing access road to the cabin; however, access to the cabin will be maintained during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
080-5677-0008	Henry-Gregory House	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Inspection is recommended due to close proximity to pipeline LOD. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	MVP will utilize an existing access road for the Henry-Gregory House; however, access to the house will be maintained during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	Right-of-way personnel will maintain close contact with the residents of this property during construction activities. If excessive noise is reported by the residents during access road construction, then temporary mitigation may be offered to the residents during the brief access road construction period (See Avoidance Plan-Appendix P)	NO ADVERSE EFFECT
080-5679	Grace Terry Moncure Farm	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise mitigation or noise monitoring program will be implemented during the construction phase.	Not within 50 feet of the most intensive anticipated vibration sources. Vibration due to general construction activities does not have the potential to exceed the identified screening thresholds	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5681	House 11091 Bent Mountain Rd Rt 221	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT
080-5689	Coles-Terry Rural Historic District	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 3 of 4) - Construction-Related Effects

VDHR ID	Name	Blasting and Other Construction-Related Noise (See Noise and Vibration Report- Appendix K and MVP Blasting Plan Appendix O)	Blasting and Other Construction-Related Vibration (See Noise and Vibration Report- Appendix K and MVP Blasting Plan Appendix O)	Access to Historic Properties (See Avoidance and Site-Specific Residential Plans Appendix P)	Vegetation Removal and Restoration (Properties For Which Nearest Project Feature is Permanent Easement, Workspace, or Additional Temporary Workspace)	Avoidance/ Minimization/ Mitigation Measures	CONSTRUCTION-RELATED EFFECTS FINAL ASSESSMENT
080-5690	Henry-Waldron Cemetery	The predicted 8-hour Leq (equivalent continuous) sound levels from construction are not expected to exceed 80 dBA (A-weighted decibels). This complies with Federal Transit Administration Criteria of 80 dBA at occupied residences. No special noise	Inspection is recommended due to close proximity to pipeline LOD. Preconstruction survey will be conducted by team comprised of a qualified structural engineer and qualified architectural historian.	Access to the cemetery will be maintained during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	See Avoidance Plan-Phase I and Criteria of Effects Report Addendum 2-Appendix F	NO ADVERSE EFFECT
Pending - Baker House [6]	Baker House	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	MVP will not require vegetation removal at this historic property. Any potential viewshed impacts due to vegetation removal were addressed in the Visual Effects Assessment Tasks 1-4.	None	NO ADVERSE EFFECT
Pending - Coles Terry's House	Coles Terry's House / Orchard and Barn	Located beyond the noise study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	Located beyond the vibration study area which was defined as 500 feet of either the pipeline Limit of Disturbance (LOD) and 100 feet of access road LOD	MVP does not have the potential to affect access to this property during construction.	The pipeline construction temporary work space will be cleared of vegetation prior to construction to provide safe working conditions. The construction work space will be identified and staked by the civil survey crew prior to the start of clearing operations. Timber will be cut into usable lengths and stacked adjacent to the right-of-way in accordance with landowner preferences. Non-merchantable brush and slash will be burned, stacked (except on national forest land), or chipped.	None	NO ADVERSE EFFECT

Master List Historic Properties (Part 4 of 4) - Operation-Related Effects and Application of Criteria of Effect

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
021-5012	Appalachian National Scenic Trail	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located along, or within the viewshed of, the Appalachian National Scenic Trail historic property boundary.	NO ADVERSE EFFECT	Pending USFS[2]	Pending USFS[2]
033-0389	Flora Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of the Flora Farm.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
033-5287; 080-5161-0340	Shaver Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
033-5304	Clear View Dairy Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of the Clear View Dairy Farm.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
033-5325	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
033-5329	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
033-5398	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
033-5400	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0004	Willowcroft	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

Master List Historic Properties (Part 4 of 4) - Operation-Related Effects and Application of Criteria of Effect

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0018	Doe Creek Farm, Hoge's Orchard	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0034	Berean Baptist Church	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0052	Sarver House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0053; 035-0151-0003	McElvey Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0054; 035-0151-0018	Albert Price House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0055; 035-0151-0004	Eva Smith House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0056; 035-0151-0024	Payne Miller House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0057; 035-0151-0013	Walker Mill	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0059	Newport United Methodist Church, Mt. Olivet United Methodist Church	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT

Master List Historic Properties (Part 4 of 4) - Operation-Related Effects and Application of Criteria of Effect

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0151	Newport Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located in, or within the viewshed of, the Newport Historic District.	NO ADVERSE EFFECT	EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.1)	NO ADVERSE EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.2)
035-0151-0001	Miller Building	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0002	Butler-Smith House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0005	Yancey Hale House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0006	Methodist Parsonage	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0151-0007	Hunter House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0008	Spruce Run Street	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0009	Miller Brothers Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0010	George Buchanan House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0151-0011	Walter Miller House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0012	R. H. Moomaw/Sasser House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0014	Pasterfield House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0015	C.A. Hardwick House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0151-0016	Jemmison W. Payne House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0017	Robert Payne House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0020	Francis Payne Service Station	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0021	Sinking Creek Valley Bank	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-0022	Pent Taylor Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0151-0023	C.C. Wingo House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0151-XXXX [5]	Newport Masonic Lodge No. 261	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412	Greater Newport Rural Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	One MLV is located within the Greater Newport Rural Historic District. A photo simulation depicting the potential view of the MLV within the district is provided in Appendix J-Figure 5. The visual simulation received a rating of "Inferior;" the simulation did not indicate potential views of either the permanent right-of-way which contains the MLV nor the MLV itself.	NO ADVERSE EFFECT	EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.3)	NO ADVERSE (See Section 5.3 of Criteria of Effects Report-Table 5.4)
035-0412-0010	Adlie/Adlai Jones Farm (house, pole barn, and road trace)[8]	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0412-0011	Leffel Mansion	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0012	Mason House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0014	"Camper" cabin	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0022; 035-5073	Sinking Creek (Reynolds) Bridge	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0034	Low Water Bridge	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0412-0035	Wilford Dowdy House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0036	Iron Ore Smelting Furnace	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0037; 035-0058	Winding Brook Farm/Sheldon Dowdy Residence	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0046	Price Land/J.F. and Janet McMurray House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0049	Dode Caldwell Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0051	Clarence Chipkeffer/Reynolds House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0052	Plunkett farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0053	Garfield Bowyer House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0058	George Duncan Porterfield House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0412-0059	Leffel/Givens House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0061	Frank Sibold House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0065	Newport High School	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0066	High School Agriculture Building	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0412-0070	Hampton Smith House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0233	Graham Farrier Residence	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0234	Farrier Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0235	Renquist Residence	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0237	Fidel Smith Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0412-0241	Charles Atkins House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0412-0242	Charles Atkins House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0244	Link Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0245; 035-0005	1912 Sinking Creek Covered Bridge, Link Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-0412-0246	Harvey Residence	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0247	Ira and Zettie Porterfield House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0278	Chestnut Grove School	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0282	Jim Breen Residence	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0398	Sibold	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-0412-0399	Hugh Givens Property	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0417	Claude and Ida Link Homeplace	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0418	Newsome Barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-0412-0465	Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-5106	Warthen House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5117	Masters House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5118	McDonald Place	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5119	Big Stony United Methodist Church	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5120	APG Lime Plant #2	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
035-5121	Caldwell Boarding House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5122	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5123	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
035-5126	Big Stony Creek Railroad	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
035-5127	Big Stony Creek Rural Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located in, or within the viewshed of, the Big Stony Creek Rural Historic District	NO ADVERSE EFFECT	EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.5)	NO ADVERSE EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.6)
060-0290	Kent House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	Pending USFS [4]	Pending USFS [4]
060-0326; 060-0574-0105	Log Building/Bennett's Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
060-0337	Slusser Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	Pending USFS [4]	Pending USFS [4]

Master List Historic Properties (Part 4 of 4) - Operation-Related Effects and Application of Criteria of Effect

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
060-0340	Climens House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	Pending USFS [4]	Pending USFS [4]
060-0415	Martin House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	Pending USFS [4]	Pending USFS [4]
060-0574	North Fork Valley Rural Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located in, or within the viewshed of, the North Fork Valley Rural Historic District	NO ADVERSE EFFECT	EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.7)	NO ADVERSE EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.8)
060-0574-0001	Hahn Farm 1	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0003	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0043	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0044	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0048	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
060-0574-0052	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0055	barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0089	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
060-0574-0125	Barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
060-0574-0126	Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0127	Mill Dam	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0303	Luster's Gate General Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0304	Cooperative Cheese Factory	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0315	Rutledge Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
060-0574-0316	Luster's Gate School	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0318	Rutledge House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0319	Slusher Hosue	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0321	log house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0322	Bennett's Mill	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0323	George Robinson Farm/barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0325	Solver Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0326	Road side store (John Brown farm)	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0327	John Brown Farm /barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
060-0574-0328	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0329	house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0330	James Brown Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
060-0574-0331	log house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
060-0574-0361	log house	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0362	Woods-Grubb Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-0574-0366	Robinson Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-5170	Norfolk and Southern RR Corridor #1	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
060-5171	Norfolk and Southern RR Corridor #2	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
060-5172	Norfolk and Southern RR Bridge	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
060-5178	House	-	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	Pending USFS [4]	Pending USFS [4]
071-5483	Oak Grove Church and Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0047	Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0050	Barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0322	Bent Mountain Elementary School	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0324	Sunnyside	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0325	Reed's Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0326	Thompson Grove Church	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
080-0328	Store	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0487	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0488	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0490	Janet Wynot House, Terry Place, Terry-Coles Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0491	Log House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0493	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0494	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0495	Logan Place Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0497	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
080-0498	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0527	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0528	Gas Station	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-0580	Little Hope Church, Primitive Baptist Church	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5148	Conner Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5156	The Pines Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5161	Blue Ridge Parkway Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located along, or within the viewshed of, the Blue Ridge Parkway Historic District	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5161-0188	Bridge	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

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VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
080-5161-0341	Barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5161-0342	Apple Storage Building	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5161-0343	Wimmer Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5161-0344	Earthen Dam	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	Only properties properties within or adjacent to the permanent right-of-way will be subjected to effects from pipeline markers. This resource is not located within or adjacent to the permanent right-of-way.	Main line valves will be installed completely within the Project's permanent right-of-way. This property is not located within or adjacent to the permanent right-of-way and will not be subjected to effects from main lines valves. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2)	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5297	Elijah Henry House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
080-5326	Lawrence Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5630	Board-and-Batten Cabin	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5631	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

Master List Historic Properties (Part 4 of 4) - Operation-Related Effects and Application of Criteria of Effect

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
080-5662	Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5663	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5664	Storage Facility	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5665	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5666	Lawrence Memorial United Methodist Church	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5667	Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5668	Barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5669	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5675	Television Broadcasting Complexes	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. This resource is not located within or adjacent to the permanent right-of-way and, therefore, not be subjected to effects related to main line valves.	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT

Master List Historic Properties (Part 4 of 4) - Operation-Related Effects and Application of Criteria of Effect

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
080-5677	Bent Mountain Rural Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located along, or within the viewshed of, the Bent Mountain Rural Historic District.	NO ADVERSE EFFECT	EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.9)	NO ADVERSE EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.10)
080-5677-0001	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5677-0002	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5677-0003	House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5677-0006	Cabin	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
080-5677-0008	Henry-Gregory House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5679	Grace Terry Moncure Farm	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5681	House 11091 Bent Mountain Rd Rt 221	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	NO EFFECT	N/A-NO EFFECT
080-5689	Coles-Terry Rural Historic District	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of historic properties.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located along, or within the viewshed of, the Coles-Terry Rural Historic District.	NO ADVERSE EFFECT	EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.11)	NO ADVERSE EFFECT (See Section 5.3 of Criteria of Effects Report-Table 5.12)

Shaded rows contain revisions.

VDHR ID	Name	Permanent Right-of-Way Maintenance	Pipeline Markers	Main Line Valves	OPERATION-RELATED EFFECTS FINAL ASSESSMENT	Application of the Criteria of Effect [9]	Application of the Criteria of Adverse Effect [10]
080-5690	Henry-Waldron Cemetery	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This will occur approximately twice a year at railroad and road crossings and approximately every 15 months in all other locations along the ROW. This activity is not anticipated to affect access to or the use of the Henry-Waldron Cemetery.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	No main line valves are located along, or within the viewshed of, the Coles-Terry Rural Historic District.	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
Pending - Baker House [6]	Baker House	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
Pending - Coles Terry's House	Coles Terry's House / Orchard and Barn	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	NO ADVERSE EFFECT	EFFECT	NO ADVERSE EFFECT
Pending - Fire Tower	Fire tower	Operational activity on the pipeline will be limited primarily to maintenance of the right-of-way and inspection, repair, and cleaning of the pipeline. This property is not located within the permanent right-of-way, and will, therefore not be subjected to effects related to right-of-way maintenance.	These markers are purposefully placed in high visibility areas along roadways, railways, and waterbodies where other signage already exists. As such, the effect of these permanent markers on the surrounding landscape will be inferior when viewed within the context of existing vegetation, road signs, utility markers, fences, mailboxes, etc.	Main line valves will be installed completely within the Project's permanent right-of-way. The potential impacts of these permanent above-ground facilities on individual historic properties within the indirect APE were accounted for during Tasks 1 and 2 of the visual impact assessment (Section 3.2).	0	NO EFFECT	N/A-NO EFFECT

[1] Any primary resources located within previously-recorded historic districts (not reinventoried by MVP as per the project's Phase I survey methods) and the status of which has not been determined by VDHR (noted in V-CRIS and/or NRHP nomination as "unevaluated"), are for the purpose of this analysis labeled as "Primary Contributing." Any resources recommended for Phase II survey during the Phase I survey are identified as "Primary Contributing" and/or "Eligible."

[2] MVP continues to consult with the USFS with regards to the crossing location, potential impacts, effects assessment, and mitigation strategies for the Appalachian Trail Historic District. MVP also continues to consult with USFS regarding historic resources located on lands under USFS jurisdiction. MVP will provide USFS reviews of all impact/effects assessments regarding resources under USFS jurisdiction to VDHR and with file with the FERC. Task 1 was completed for these resources, for planning and consultation purposes only, in order to confirm the resources' location within the Project APE and the potential for these resources to incur views of the Project.

[3] NPS requested, May 12, 2017, that the NRHP statuses for those properties, previously indicated as "pending NPS" in the Master List, be revised to reflect MVP's VDHR-approved approach to treat all resources recommended for Phase II study as NRHP-eligible for purposes of applying the Criteria of Adverse Effect and in complying with Section 106 of the NHPA.

[4] NRHP Eligibility being evaluated. The NRHP nomination will be considered for NRHP listing at a meeting of the Virginia Board of Historic Resources and the Virginia State Review Board in March 2017

[5] "XXXX" indicates that no VDHR number exists for resource, identified by GNRHDC's consultant

[6] Not all resources, noted in V-CRIS and the Property Information Form as primary contributing resources to the Coles-Terry Rural Historic District, have been assigned VDHR identification numbers; these are labeled as "Pending"

[7] Resources categorized as either "Inferior" or "Co-Dominant," would incur views of the Project; however, when viewed within the context of the existing landscape and after taking into account the screening that vegetation and man-made features would provide, the potential impacts would not diminish the resources' integrity; the impact would constitute an "Effect" but "No Adverse Effect"

[8] The Adlie Jones Farm (035-0412-0010) road trace (035-0412-0466) was recommended for Phase II study by New South Associates in the report entitled Phase I Reconnaissance Architectural Survey for the Mountain Valley Pipeline, Craig and Giles Counties, Virginia. The report was submitted to VDHR for review March 15, 2016 and VDHR concurred with this recommendation by letter dated May 15, 2016. Subsequently, the portion of the road trace within the direct APE was civil surveyed by MVP in order confirm the road trace's location and to collect detailed topographical contours of the resource. The results were reviewed against historic USGS Newport, VA quadrangle mapping (1965) and the road trace, as surveyed, did not correspond to any driveway, road, etc. depicted on the 1965 Newport, VA quadrangle. Instead, the research indicated that the alleged historic-era road trace is likely a tractor path or unimproved driveway providing access to the eastern portion of the property. As additional work did not confirm the presence of a historic-era road in this location, Tetra Tech recommended by email to VDHR dated February 2, 2017 that the resource identified in the Phase I report as a road trace does not meet the requirements to be considered individually NRHP-eligible. Tetra Tech recommended that the Criteria of Effects assessment focus on the Adlie Jones Farm (035-0412-0010) as a whole and not on the road trace (035-0412-0466). VDHR concurred with this recommendation in an email dated February 8, 2017, stating that "Based on the information provided, DHR does not object to the removal of Adlie Jones Road Trace (DHR ID #035-0412-0466) from further consideration. Impacts assessment should still be completed for Adlie Jones Farm (DHR ID #035-0412-0010)." This correspondence is provided in Appendix A of the Criteria of Effects Report.

[9] Causes or may cause any change, beneficial or adverse, in the quality of the historical, architectural, archaeological, or cultural character that qualifies the property under the National Register Criteria. Changes the integrity of location, design, setting, materials, workmanship, feeling, or association of the property that contribute to its significance in accordance with the National Register criteria. Changes (direct or indirect) in patterns of land use, population density, or growth rate that may affect properties of historical, architectural, archaeological, or cultural significance.

[10] Physical destruction of or damage to all or part of the property; Alteration of a property, including restoration, rehabilitation, repair, maintenance, stabilization, hazardous material remediation and provision of handicapped access, that is not consistent with the Secretary's Standards for the Treatment of Historic Properties (36CFR part 68) and applicable guidelines; Removal of the property from its historic location; Change of the character of the property's use or of physical features within the property's setting that contribute to its historic significance; Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property's significant historic features; Neglect of the property which causes its deterioration, except where such neglect and deterioration are recognized qualities of a property of religious and cultural significance to an Indian tribe or Native organization; and Transfer, lease, or sale of property out of Federal ownership or control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property's historic significance.

NOTE: At a meeting held March 27, 2017, MVP and VDHR agreed on the process for documenting additional historic architecture survey results and, if necessary, further effects assessment as access to additional survey tracts is obtained during the late spring and summer 2017. It was agreed that any addendum reports would tier to the comprehensive report expected to be submitted to the VDHR in April 2017 and that the Master List would be updated to reflect any subsequent additions and submitted as part of the addendum report(s). To date, one historic property—the Henry Waldron Cemetery (080-5690)—will be included in a revised Master List and addressed in a Criteria of Effects addendum report. Although the cemetery was not recommended individually NRHP-eligible by NSA in the Phase I Architectural Combined Addendum Summary Report (March 2017), due to the cemetery's location within the boundaries of the Coles-Terry Rural Historic District, it could potentially serve as a primary contributing resource to that district and will undergo effects assessment. Regardless of the effects assessment for this cemetery, MVP will avoid this resource. An avoidance plan for this cemetery is provided in the Criteria of Effects Report as Appendix P.

Appendix D
Maps: Master List Resources with NLCD Data (Task 1)








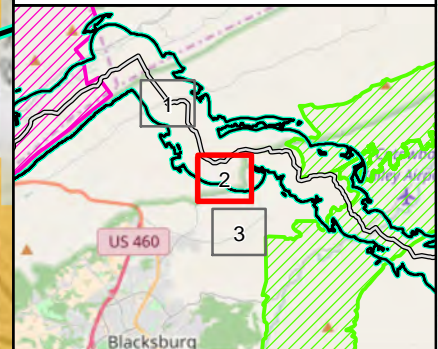
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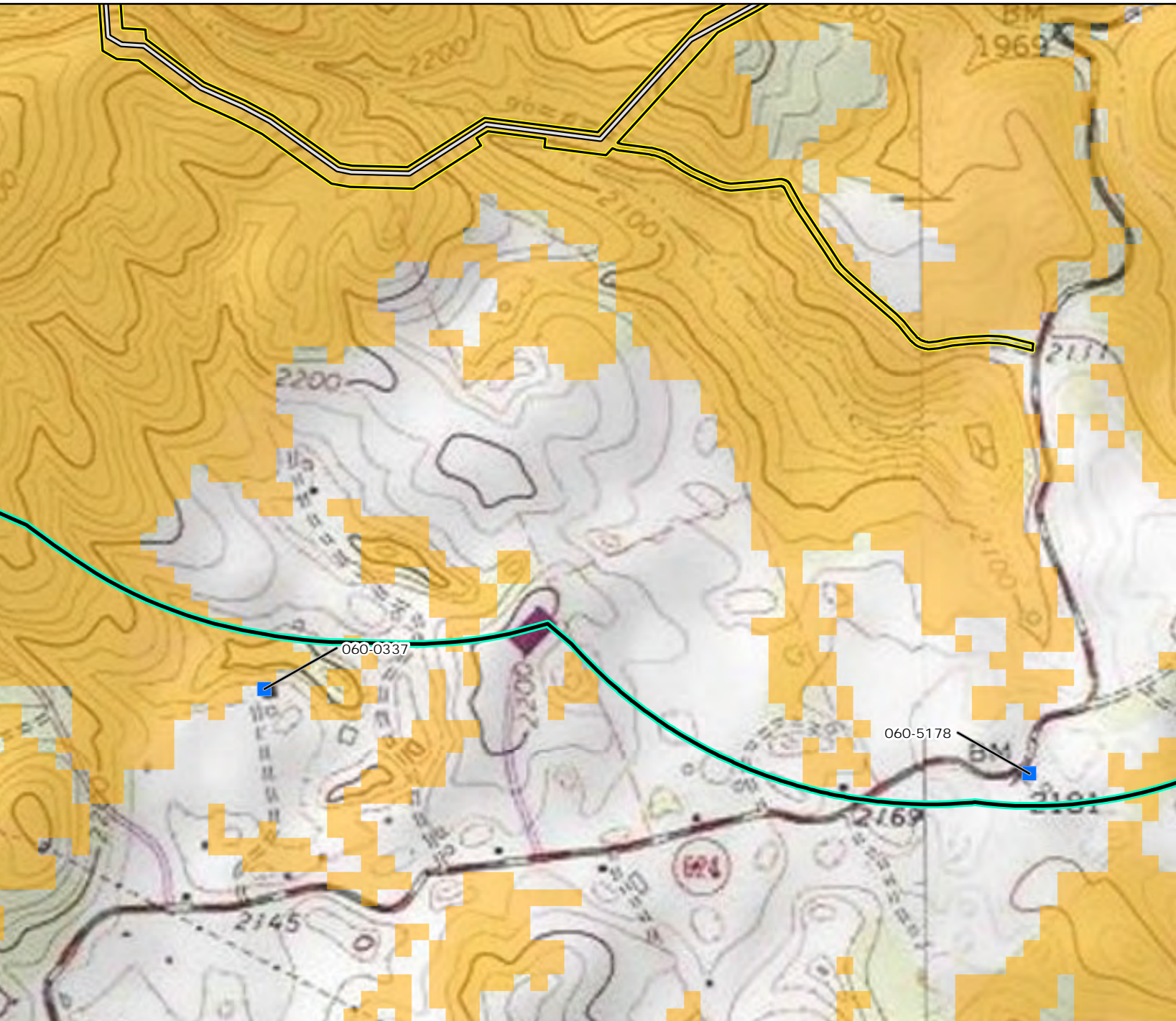
JUNE 2017

Legend

-  Historic Architectural Resource for Task 2 Assessment
-  Proposed Route
-  Indirect Effects APE
-  Limits of Disturbance
-  Vegetated Area (NLCD)



Data Sources: VDHR, USGS, ESRI



1:9,600

NAD 1983 UTM 17N

0 400 800 1,600 2,400 3,200 Feet





Document Path: P:\EQ\T-Equity\MSWP-Project\GIS\Spatial\MXD\02_Cultural\2017\015_VA_COE_Addendum_2\AppendixD_VA_COE_Addendum_2\AppendixD_VA_COE_Addendum_2\Task1_Results_8p6x11.mxd

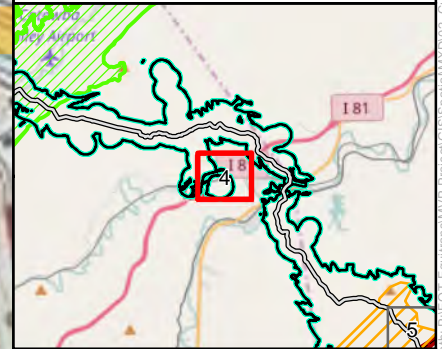
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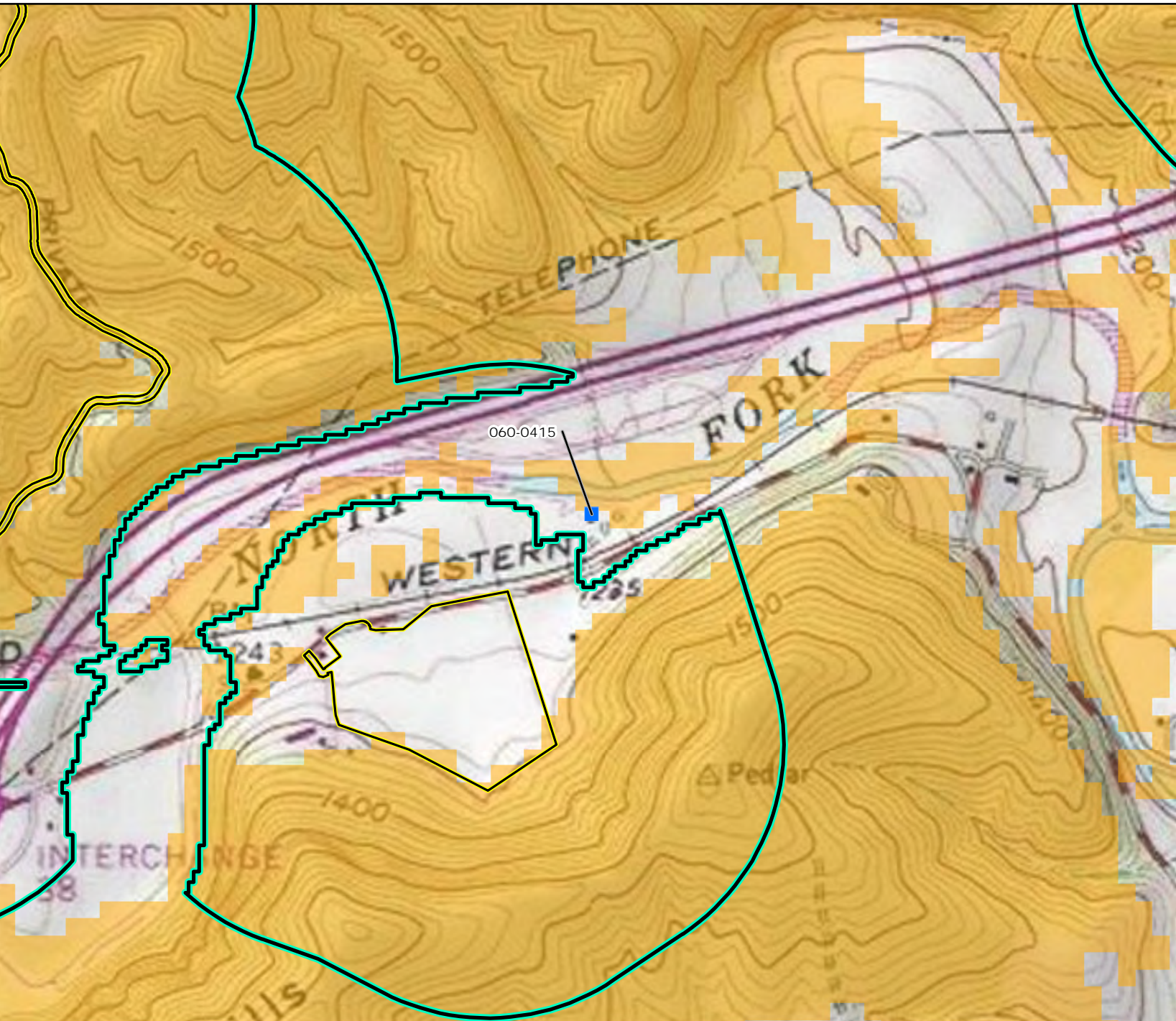
JUNE 2017

Legend

-  Historic Architectural Resource for Task 2 Assessment
-  Indirect Effects APE
-  Limits of Disturbance
-  Vegetated Area (NLCD)

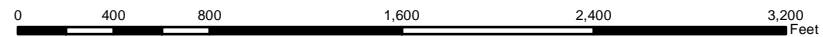


Data Sources: VDHR, USGS, ESRI



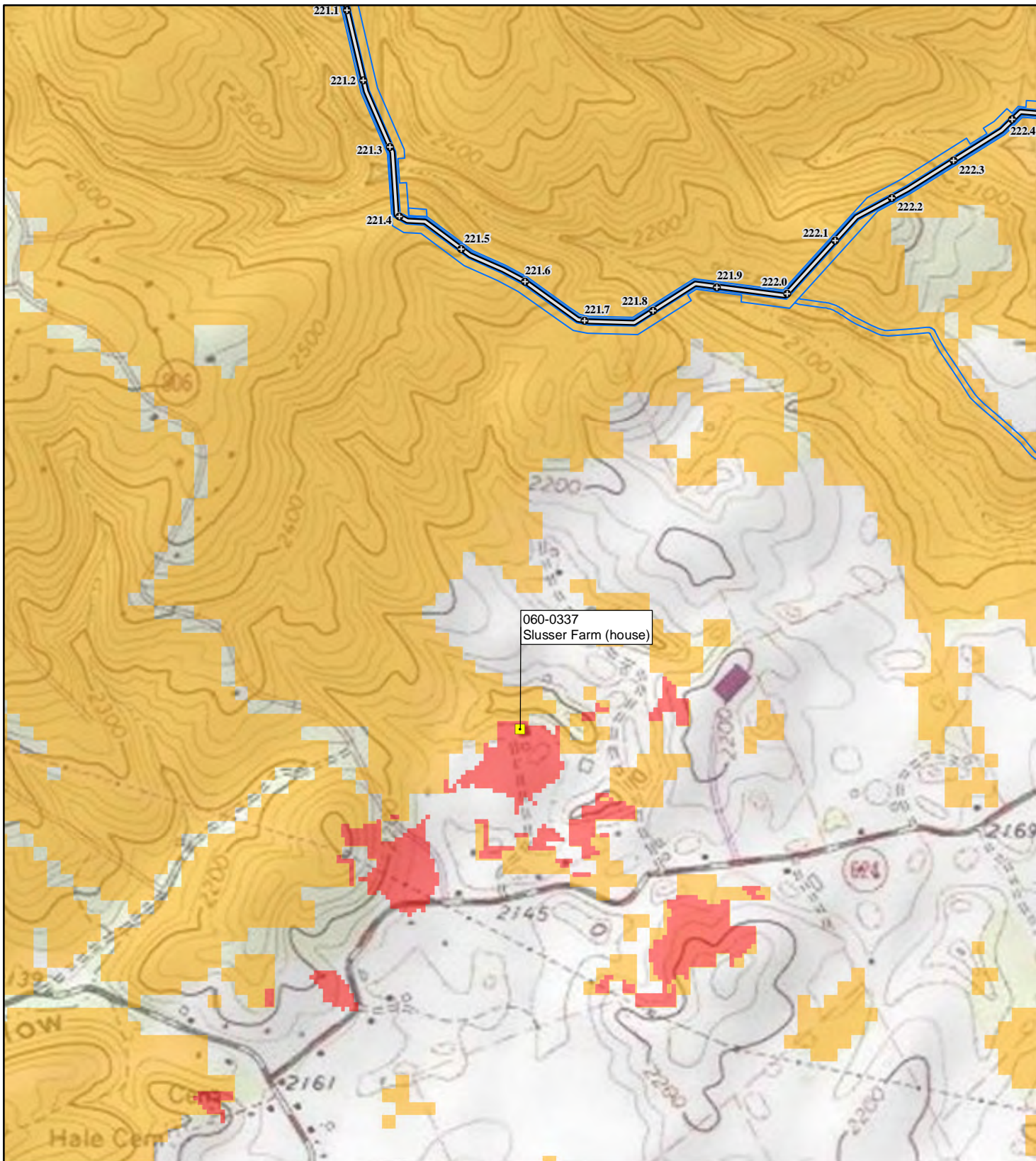
1:9,600

NAD 1983 UTM 17N




Document Path: P:\EQT\EquitransMWP\Project\GIS\Spatial\MXD\02_Cultural\2017\015_VA_COE_Addendum_2\AppendixD_VA_COE_Addendum_2\AppendixD_VA_COE_Addendum_2\Task1_Results_8p6x11.mxd

Appendix E
Maps: Viewshed Analysis for Master List Resources
(Task 2-Step 1)



Mountain Valley Pipeline Project


NAD 1983 UTM 17N
1:12,000
0 500 1,000 2,000 Feet









Vegetation Modeled Viewshed for Slusser Farm (house)

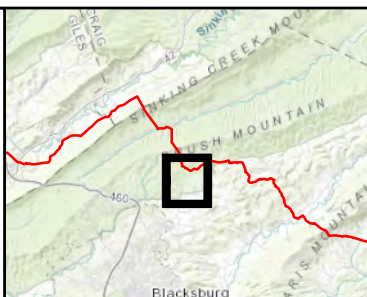
DHR ID: 060-0337

June 2017

Legend

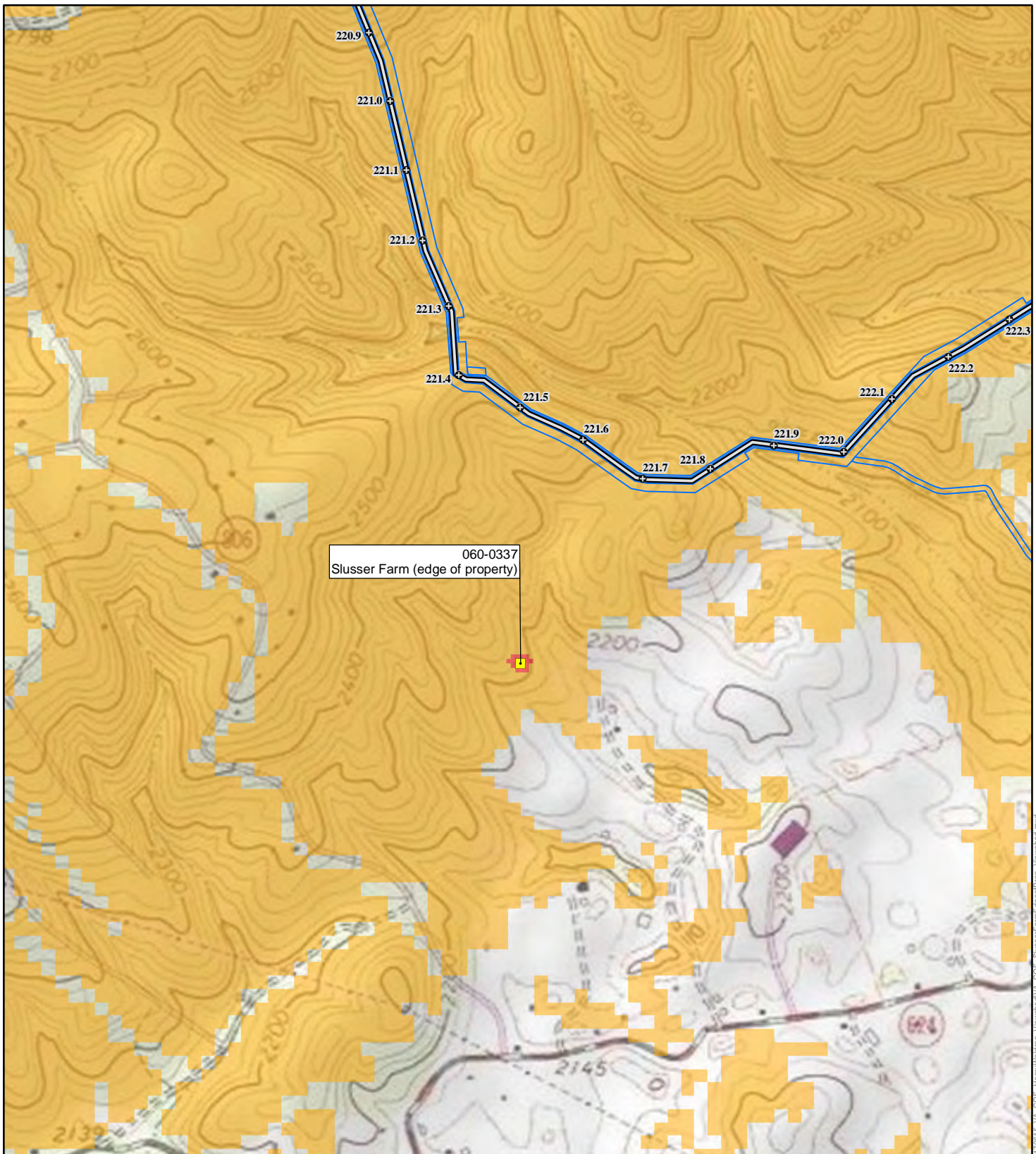
-  Architectural / Historic Resource (Observation Point)
-  Milepost
-  Proposed Route
-  Proposed Limits of Disturbance
-  Visible Area
-  Forested Area (NLCD)

NOTE: Viewshed does factor in obstructions in visibility caused by vegetation (40-ft tree height assumed). Viewer location is within a forested area and will likely not have clear view beyond immediate vicinity. Visibility verified during field data collection.



Data Sources: ESRI Streaming Data, NLCD, USGS

Document Path: P:\EIG\Projects\MVP\ProjectGIS\Spatial\MXD\02_Contributor\770615_VA_CODE_Territory\0337_Vegetation_VA_CODE_SlusserFarmHouse_Vegetation.mxd



Mountain Valley Pipeline Project

Vegetation Modeled Viewshed for Slusser Farm (edge of property)

DHR ID: 060-0337

June 2017

Data Sources: ESRI Streaming Data, NLCD, USGS

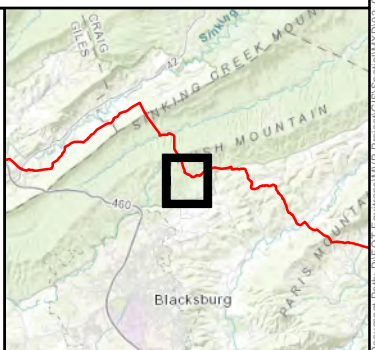
NAD 1983 UTM 17N 1:12,000

0 500 1,000 2,000 Feet

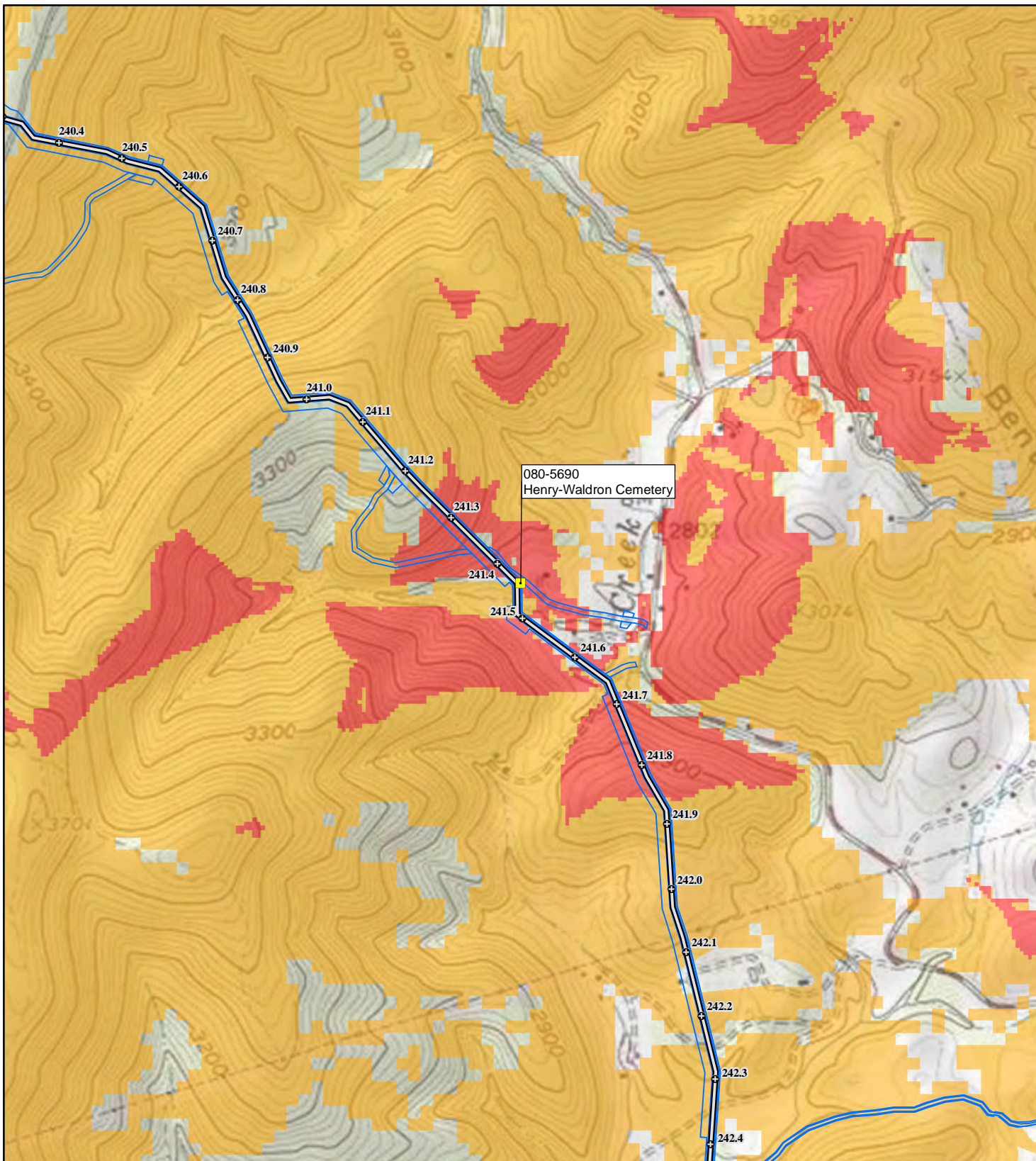
Legend

- Architectural / Historic Resource (Observation Point)
- Milepost
- Proposed Route
- Proposed Limits of Disturbance
- Visible Area
- Forested Area (NLCD)

NOTE: Viewshed does factor in obstructions in visibility caused by vegetation (40-ft tree height assumed). Viewer location is within a forested area and will likely not have clear view beyond immediate vicinity. Visibility verified during field data collection.



Document Path: P:\EGIS\Equitrans\MVP\ProjectGIS\Spatial\MXD\02_Contract\170615_VA_CODE_Territory\Territory\VA_CODE_SlusserFarmEdgeProp_Viewshed.mxd



Mountain Valley Pipeline Project NAD 1983 UTM 17N 1:13,200 0 500 1,000 2,000 Feet

Vegetation Modeled Viewshed for the Henry-Waldron Cemetery

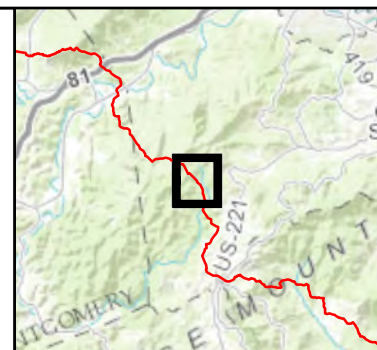
DHR ID: 080-5690

June 2017

Legend

- Architectural / Historic Resource (Observation Point)
- ⊕ Milepost
- Proposed Route
- Proposed Limits of Disturbance
- Visible Area
- Forested Area (NLCD)

NOTE: Viewshed does factor in obstructions in visibility caused by vegetation (40-ft tree height assumed). Viewer location is within a forested area and will likely not have clear view beyond immediate vicinity. Visibility verified during field data collection.



Document Path: P:\EOD\Equitrans\MVP\Projects\GIS\Spatial\MXD\02_Central\02_VA_CODE_HenryWaldronCemetery_VisViewshed.mxd

Appendix F
Maps: Viewpoint Analysis for Master List Resources
(Task 2-Step 2)

Henry-Waldron Cemetery



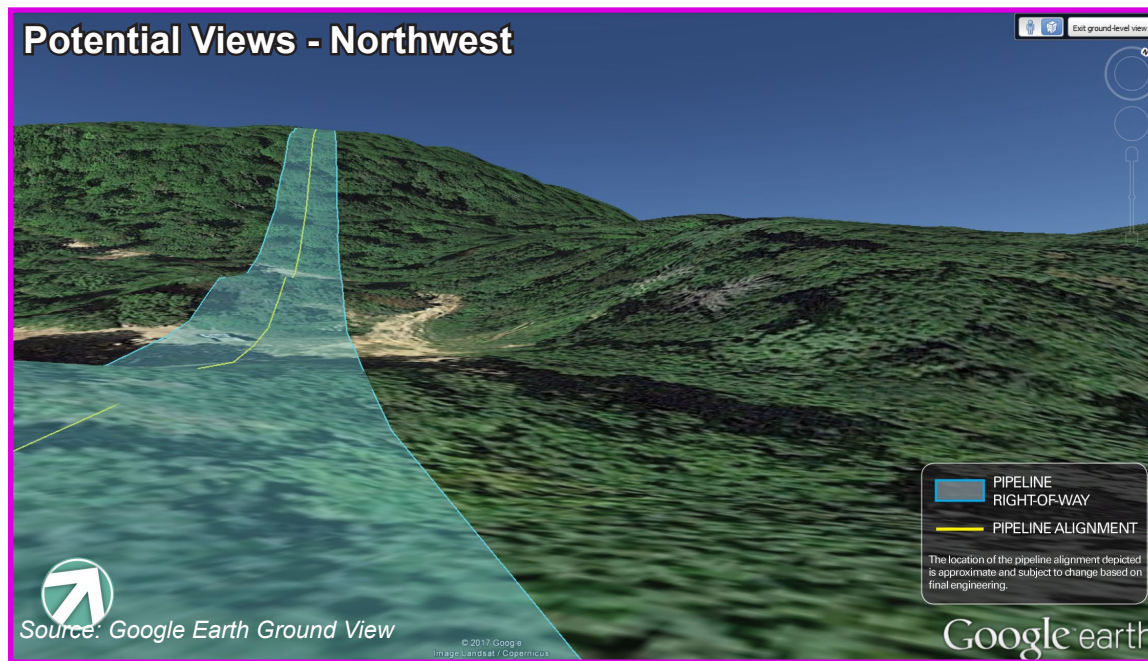
Historic Site ID:
080-5690
Historic Site Name:
Henry-Waldron Cemetery
Latitude: 37°10'52.84"N
Longitude: 80° 8'36.14"W

Plan View: The plan view illustrates the pipeline alignment and the 50-foot-wide permanent pipeline right-of-way.

Viewpoint Location: The viewpoint is located approximately 0.2 mile west of the Poor Mountain Road, approximately 3 miles northwest of the Community of Bent Mountain, VA.

Potential Views: The pipeline right-of-way is directly adjacent to this viewpoint. Potential views looking from the cemetery northwest (purple arrow) and south (green arrow) towards the pipeline right-of-way are described on sheet 2. Google Earth Ground View does not take into account vegetation, therefore, portions of the pipeline right-of-way that are visible in Google Earth Ground View may be screened by vegetation. In addition, areas where the pipeline right-of-way is not shown on sheet 2 are assumed to be screened by terrain. The potential views described on sheet 2 take into account surrounding vegetation and terrain. The pipeline alignment is shown as reference only.

Henry-Waldron Cemetery (080-5690)



Potential Views - Northwest

The indicative rendering represents Google Earth Ground view from the cemetery with views to the northwest. Vegetation clearing associated with the pipeline right-of-way will be visible in the immediate foreground and will continue to be visible as the pipeline right-of-way continues northwest over Poor Mountain. The removal of vegetation will create the appearance of a narrow strip through a densely wooded area and will appear dominant in the view.

Rating = Dominant



Potential Views - South

The indicative rendering represents Google Earth Ground View from the the cemetery with views south. Vegetation clearing associated with the pipeline right-of-way will be visible in the immediate foreground where the removal of vegetation will create the appearance of a narrow opening in a densley wooded area. However, views of the pipeline right-of-way as it turns and continues southeast will be screened by vegetation and terrain. **Rating = Dominant**

Task 2-Step 2 Overall Rating = Dominant

Appendix G
Avoidance Plan for Henry-Waldron Cemetery

Document Path: P:\EOT-Equitrans\MVP-Project\GIS\State\MXD02_Cultural\20170615_VA_COE_Appendum2_HenryWaldronCom_AvoidancePlan_20170630.mxd



Mountain Valley Pipeline Project		NAD 1983 UTM 17N		0 50 100 200 Feet	
<p>Avoidance Plan Site: 080-5690 Henry-Waldron Cemetery Roanoke County, Virginia</p> <p>June 2017</p> <p>Data Sources: USGS, ESRI, Open Street Map.</p>	Legend Avoided Historical Architectural Resource Historical Architectural Resource Boundary Access Road Proposed Limits of Disturbance Direct APE Permanent Easement Temporary Easement				

Appendix H Correspondence

From: "Adams, Jennifer - FS" <jenniferpadams@fs.fed.us<mailto:jenniferpadams@fs.fed.us>>
Date: May 24, 2017 at 8:40:11 AM EDT
To: "Neylon, Megan" <MNeylon@egt.com<mailto:MNeylon@egt.com>>
Cc: "Madden, Michael J -FS" <mjmadden@fs.fed.us<mailto:mjmadden@fs.fed.us>>, "Adams, Jennifer - FS" <jenniferpadams@fs.fed.us<mailto:jenniferpadams@fs.fed.us>>, Grace Ellis <grace.ellis@galileoaz.com<mailto:grace.ellis@galileoaz.com>>, "Lauren Johnston" <lauren.johnston@galileoaz.com<mailto:lauren.johnston@galileoaz.com>>
Subject: response to question about structures

Megan,

In response to one of the items in your previous email, see the orange text below.

Jennifer

1. On 5/7/17 you sent an email stating that your engineer was double checking on the structures question that MVP proposed on 5/4/17. I have attached the email chain for your reference. Has there been any confirmation on management of those structures?

The architectural resources do not belong to the FS. Both Shamina and Melissa who handle all of the structures on the GW & Jeff NF have checked and come up with nothing on what MVP sent.

[Forest Service Shield]

Jennifer P. Adams
Special Project Coordinator

Forest Service
George Washington & Jefferson National Forests

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jenniferpadams@fs.fed.us<mailto:jenniferpadams@fs.fed.us>

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[USDA Logo]<<http://usda.gov/>>[Forest Service Twitter]<<https://twitter.com/forestservice>>[USDA

Facebook]<<https://www.facebook.com/pages/US-Forest-Service/1431984283714112>>

Caring for the land and serving people

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From: Neylon, Megan <MNeylon@egt.com>
Sent: Tuesday, May 9, 2017 2:37 PM
To: Adams, Jennifer - FS; Madden, Michael J -FS
Cc: 'Grace Ellis (grace.ellis@galileoaz.com)'; Lauren Johnston; Evelyn Tidlow; Dye, Hannah; Faught, Alex R -FS; Dillard, Shamina -FS; Irvine, Peter -FS; Williams, Ginny -FS
Subject: RE: Architectural Resources within the JNF

Hi Jennifer,

I know you are swamped with MVP items today. However, I wanted to check in on this and see if the USFS needed any additional information from MVP in order to satisfy the request below. We are preparing to file a Criteria of Effects report with the VA SHPO and want to ensure that we are capturing the USFS resources and jurisdiction over those resources correctly. I really appreciate the assistance.

Thank you,
Megan

From: Neylon, Megan
Sent: Monday, May 08, 2017 12:55 PM
To: 'Adams, Jennifer - FS' <jenniferpadams@fs.fed.us>; Madden, Michael J -FS <mjmadden@fs.fed.us>
Cc: 'Grace Ellis (grace.ellis@galileoaz.com)' <grace.ellis@galileoaz.com>; Lauren Johnston <lauren.johnston@galileoaz.com>; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; Dye, Hannah (Hannah.Dye@tetrattech.com) <Hannah.Dye@tetrattech.com>; Faught, Alex R -FS <afaught@fs.fed.us>; Dillard, Shamina -FS <shaminadillard@fs.fed.us>; Irvine, Peter -FS <pivine@fs.fed.us>; Williams, Ginny -FS <gwilliams03@fs.fed.us>
Subject: RE: Architectural Resources within the JNF

Jennifer,

The table that was attached to the email to Mike included a column that exhibited all of the information that we currently have in terms of USFS ownership. Mountain Valley does not have a GIS layer for USFS transferred lands for the entire forest. We do have a layer that exhibits that information in the area of the ANST only. If a transfer layer does exist and you can send it over, we would be happy to do the analysis for you.

Resources Located within USFS Boundaries					
VDHR ID	Name	Location	NRHP Status	County	USFS Boundary
021-5012	Appalachian National Scenic Trail Historic District	linear	Eligible	Giles	Ownership (at MVP crossing); Administrative (for remainder of ANST HD within indirect APE)
060-0290	Kent House	Route 460	Pending USFS	Montgomery	Administrative

060-0337	Slusser Farm	1875 Mount Tabor Road (Route 624)	Pending USFS	Montgomery	Administrative
060-5178	House	2431 Mount Tabor Road	Pending USFS	Montgomery	Administrative

Thanks,
Megan

From: Adams, Jennifer - FS [<mailto:jenniferpadams@fs.fed.us>]

Sent: Sunday, May 07, 2017 3:06 PM

To: Neylon, Megan <MNeylon@egt.com>; Madden, Michael J -FS <mjmadden@fs.fed.us>

Cc: 'Grace Ellis (grace.ellis@galileoaz.com)' <grace.ellis@galileoaz.com>; Lauren Johnston <lauren.johnston@galileoaz.com>; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; Dye, Hannah (Hannah.Dye@tetrattech.com) <Hannah.Dye@tetrattech.com>; Faught, Alex R -FS <afaught@fs.fed.us>; Dillard, Shamina -FS <shaminadillard@fs.fed.us>; Irvine, Peter -FS <pirvine@fs.fed.us>; Williams, Ginny -FS <gwilliams03@fs.fed.us>; Adams, Jennifer - FS <jenniferpadams@fs.fed.us>

Subject: RE: Architectural Resources within the JNF

Megan,

We're double-checking with our engineer to see if these structures are maintained by the USFS. Can you confirm that these structures are not on NFS lands (including not on transfer lands).

Jennifer



Jennifer P. Adams
Special Project Coordinator

Forest Service
George Washington & Jefferson National Forests

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f: 540-265-5145

jenniferpadams@fs.fed.us

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www.fs.fed.us



Caring for the land and serving people

From: Neylon, Megan [<mailto:MNeylon@egt.com>]

Sent: Thursday, May 04, 2017 7:22 AM

To: Madden, Michael J -FS <mjmadden@fs.fed.us>

Cc: Adams, Jennifer - FS <jenniferpadams@fs.fed.us>; 'Grace Ellis (grace.ellis@galileoaz.com)' <grace.ellis@galileoaz.com>; Lauren Johnston <lauren.johnston@galileoaz.com>; Evelyn Tidlow <E.Tidlow@gaiconsultants.com>; Dye, Hannah (Hannah.Dye@tetrattech.com) <Hannah.Dye@tetrattech.com>

Subject: Architectural Resources within the JNF

Hi Mike -

We are cleaning up final details related to historic architectural resources for the project and wanted to verify an issue before we launch a report to the VHDR. In your previous email you indicated that , "there are no significant historic standing structures on forest managed lands which would be adversely affected by the proposed pipeline project." However, we just wanted to confirm that no additional effects analysis or other documentation is required for submission to you or to the VDHR for the Appalachian Trail Historic District, aside from the Visual Impacts Analysis that MVP prepared and submitted to the Forest Service for the ANST itself. Likewise, we want to confirm that no additional effects analysis is required for three resources identified by MVP's Phase I architectural survey that are within USFS administration boundaries only (not ownership boundaries). These resources are summarized in the table below.

Resources Located within USFS Boundaries					
VDHR ID	Name	Location	NRHP Status	County	USFS Boundary
021-5012	Appalachian National Scenic Trail Historic District	linear	Eligible	Giles	Ownership (at MVP crossing); Administrative (for remainder of ANST HD within indirect APE)
060-0290	Kent House	Route 460	Pending USFS	Montgomery	Administrative
060-0337	Slusser Farm	1875 Mount Tabor Road (Route 624)	Pending USFS	Montgomery	Administrative
060-5178	House	2431 Mount Tabor Road	Pending USFS	Montgomery	Administrative

We are currently researching Mystery Ridge Road and documentation related to that resource will be included in the Phase II report being prepared by Search. Based on what we know to date, we believe that the road will be recommended not eligible for the NRHP. If that recommendation changes, we are prepared to assist with any additional documentation needed by the JNF for determining the effects of the project on that road.

Thank you,

Megan

From: Madden, Michael J -FS [<mailto:mjmadden@fs.fed.us>]

Sent: Friday, February 24, 2017 12:11 PM

To: Neylon, Megan <MNeylon@egt.com>

Cc: Adams, Jennifer - FS <jenniferpadams@fs.fed.us>

Subject: RE: MVP - Cultural Resources in JNF ad nearby

Hello Megan,

I'm in agreement with your statement below involving the architectural surveys of the lands managed by the Jefferson National Forests. From what I have reviewed, there are no significant historic standing structures on forest managed lands which would be adversely affected by the proposed pipeline project. If FERC has any questions they can address me with them as well as the Virginia SHPO. MJM



Mike Madden
Forest Archaeologist

Forest Service
George Washington & Jefferson National Forests

p: 540-265-5211
mjmadden@fs.fed.us

5162 Valleypointe Parkway
Roanoke, VA 24019

From: Neylon, Megan [<mailto:MNeylon@egt.com>]

Sent: Friday, February 24, 2017 11:57 AM

To: Madden, Michael J -FS <mjmadden@fs.fed.us>

Subject: FW: MVP - Cultural Resources in JNF ad nearby

Hello Mike,

I gave you a call this afternoon but thought that I would also send an email. Please let me know when you have some time to talk about the request below and a few other items. I will be around today with the exception of 2-3 pm and will actually be in your office on Monday. If it makes more sense for us to catch-up on Monday, that works too!

Our MVP team historic architecture support in Virginia has been provided by New South Associates. At the time in 2015 when we tasked New South with performing historic architecture studies within the MVP indirect effects area of potential effects (Indirect APE), we understood that all cultural resources work, archaeology and historic architecture, related to the MVP Project within JNF proper would be performed by FS staff (per e-mail May 27, 2015 from J Adams to M Neylon). There was no JNF-specific historic architecture survey performed by MVP.

The Project shapefiles provided to New South by MVP in early 2015 for use as the basis for their survey and that included the indirect effects APE in Virginia did not include the level of detail that would have allowed distinguishing between privately held parcels and federal land. For instance, some of the parcels reviewed by the architectural history team included overlap of private and federal land in the area of parcels that comprise the Big Stoney Creek District. These parcels are privately owned and also have road

frontage within or adjacent to JNF roads and/or property. Some of the survey performed in Giles and Montgomery Counties, all from public rights of way, included areas of the JNF located within the MVP indirect APE.

Sometime in late 2015 or early in 2016, FS informed MVP that it would not perform archaeological studies in-house and that MVP should arrange for its team to obtain the appropriate ARPA permit to perform field investigations. Tetra Tech's initial ARPA application was sent in February 2016. During the course of Tetra Tech's archaeological fieldwork in JNF, some aboveground cultural resources were noted and state (VDHR) numbers were obtained for these resources located within the direct effects APE. Descriptions of these resources were included in reports provided to FS for review under the ARPA permit and subsequent ARPA permit modifications.

Between the historic architecture survey conducted by New South Associates for MVP indirect effects APE in Giles and Montgomery Counties, and the observations made by Tetra Tech within the direct effects APE (all aboveground resources observed within the direct effects APE were reported to FS and VDHR), we believe that the historic architecture coverage by the two teams has been sufficient to satisfy FS' and FERC's obligations under Section 106 of the National Historic Preservation Act, as amended.

Thank you,

Megan E. Neylon
Supervisor - Permitting
Mobile: 304-841-2086
Office: 724-873-3645
555 Southpointe Boulevard
Suite 200
Canonsburg, PA 15317
MNeylon@eqt.com