



## **MVP Southgate Amendment Project**

Docket No. CP25-XX-000

## **Resource Report 4 – Cultural Resources**

November 2018 (Docket No. CP19-14-000)

Amended February 2025

## MVP Southgate Amendment Project Resource Report 4 – Cultural Resources

<b>Resource Report 4 – Filing Requirements</b>	
<b>Information</b>	<b>Location in Resource Report</b>
<b>Minimum Filing Requirements</b>	
1. Initial cultural resources consultation and documentation, and documentation of consultation with Native Americans. (§ 380.12(f)(1)(I) & (2)) See § 380.14 for specific procedures.	Section 4.3.3
2. Overview/Survey Report(s). (§ 380.12(f)(1)(ii) & (2)) <ul style="list-style-type: none"> <li>• See § 380.14 for specific procedures.</li> <li>• For the offshore area, this will usually require completion of geophysical and other underwater surveys before filing.</li> </ul>	Appendices 4-A, 4-C, 4-E, and 4-G
<b>Additional Information Often Missing and Resulting in Data Requests</b>	
3. Identify the project APE in terms of direct or indirect effects to known cultural resources.	Section 4.4
4. Provide a project map with mileposts clearly showing boundaries of all survey areas (right-of-way, extra work areas, access roads, etc.). Ensure that you mark mileposts, clearly specify survey corridor widths, and clearly indicate where you have not completed surveys.	Appendices 4-A, 4-C, 4-E, and 4-G All surveys complete
5. Provide documentation of consultation with applicable State Historic Preservation Offices (SHPO), Tribal Historic Preservation Offices (THPO), and land-managing agencies regarding the need for and required extent of cultural resource surveys.	Section 4.3, Table 1-1
6. Provide a narrative summary of overview results, cultural resource surveys completed, identified cultural resources, and any cultural resource issues.	Section 4.5
7. Provide a project-specific Ethnographic Analysis (can be part of Overview/Survey Report).	Previously filed for Original Certificated Project
8. Identify by mileposts any areas requiring survey for which the landowner denied access.	Section 4.5
9. Provide written comments on the Overview and Survey Reports from the applicable SHPOs, THPOs, and land-managing agencies, if available.	Previously filed for Original Certificated Project; pending review and Table 1.7-1
10. Provide a Summary Table of completion status of cultural resource surveys and applicable SHPO or THPO and land-managing agency comments on the reports.	All surveys complete Table 1.7-1
11. Provide a Summary Table of identified cultural resources and applicable SHPO or THPO and land-managing agency comments on the eligibility recommendations for those resources.	Section 4.5
12. Provide a brief summary of the status of contact with federally recognized Indian tribes, including copies of all related correspondence and records of verbal communications.	Section 4.3.3
13. Provide a brief summary of comments received from stakeholders regarding cultural resources.	Section 4.3.4

<b>Resource Report 4 – Filing Requirements</b>	
<b>Information</b>	<b>Location in Resource Report</b>
14. Provide a schedule for completing any outstanding cultural resource studies.	Section 4.5.3
15. Provide an Unanticipated Discoveries Plan for the project area, referencing appropriate state statutes.	Section 4.6, Appendix 1-G

## RESOURCE REPORT 4 CULTURAL RESOURCES

### TABLE OF CONTENTS

4.1	INTRODUCTION .....	4-1
4.1.1	Environmental Resource Report Organization .....	4-1
4.2	SCOPE AND AUTHORITY .....	4-1
4.3	AGENCY AND NATIVE AMERICAN COORDINATION.....	4-2
4.3.1	Virginia Department of Historic Resources.....	4-2
4.3.2	North Carolina Historic Preservation Office .....	4-2
4.3.3	Native American Coordination .....	4-3
4.3.4	Coordination with Other State and Local Agencies and with Individuals.....	4-3
4.4	AREA OF POTENTIAL EFFECTS.....	4-4
4.4.1	Physical APE .....	4-4
4.4.2	Non-Physical APE .....	4-4
4.4.3	Indirect APE .....	4-5
4.5	CULTURAL RESOURCES INVESTIGATIONS .....	4-5
4.5.1	Overview Results.....	4-5
4.5.2	Archaeological Field Surveys.....	4-6
4.5.3	Aboveground Cultural Resources Survey.....	4-8
4.5.4	Aboveground Cultural Resource Impacts and Avoidance Measures.....	4-9
4.5.5	Summary .....	4-9
4.6	PLAN FOR UNANTICIPATED DISCOVERIES OF HISTORIC PROPERTIES AND HUMAN REMAINS .....	4-10
4.7	REFERENCES .....	4-11

## LIST OF TABLES (Public)

Table 4.3-1	Federally Recognized Native American Groups Contacted
Table 4.3-2	Non-federally Recognized Native American Groups Contacted

## LIST OF TABLES *(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)*

Table 4.5-1	Previously Recorded Archaeological Resources within 0.5-mile of the Amendment Project in Virginia
Table 4.5-2	Previously Recorded Archaeological Sites within 0.5-mile of the Amendment Project in North Carolina
Table 4.5-3	Previously Recorded Aboveground Resources within 0.5-mile of the Amendment Project in Virginia
Table 4.5-4	Previously Recorded Aboveground Resources within 0.5-mile of the Amendment Project in North Carolina
Table 4.5-5	Archaeological Resources Identified in Virginia
Table 4.5-6	Archaeological Resources Identified in North Carolina
Table 4.5-7	Aboveground Resources Identified in Virginia
Table 4.5-8	Aboveground Resources Identified in North Carolina

## LIST OF APPENDICES

Appendix 4-A	Phase I Archaeological Survey Report for Virginia: Addendum 3 <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>
Appendix 4-B	Resource Protection Plans for Sites 44PY0449, 44PY0452, and 44PY0479 in Virginia <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>
Appendix 4-C	Phase I Archaeological Survey Report for North Carolina: Addendum 6: <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>
Appendix 4-D	Resource Protection Plans for Sites 31RK44 and 44RK299 in North Carolina <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>
Appendix 4-E	Phase I Aboveground Resources Survey Report for Virginia: Addendum 2 <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>
Appendix 4-F	Resource Protection Plan for Resources 071-0036 and 071-5622 in Virginia <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>
Appendix 4-G	Phase I Aboveground Resources Survey Report for North Carolina: Addendum 3 <i>(CUI//PRIV, Privileged and Confidential, Provided Under Separate Cover)</i>

## LIST OF ACRONYMS AND ABBREVIATIONS

ACHPC	Alamance County Historical Properties Commission
Amendment Project	MVP Southgate Amendment Project
APE	Area of Potential Effects
CFR	Code of Federal Regulations
FEIS	Final Environmental Impact Statement
FERC or Commission	Federal Energy Regulatory Commission
GPS	Global Positioning System
Mountain Valley	Mountain Valley Pipeline, LLC
MP	milepost
NRHP	National Register of Historic Places
NC HPO	North Carolina Historic Preservation Office
NEPA	National Environmental Policy Act
Original Certificated Project	MVP Southgate Project, as approved June 18, 2020
OSA	North Carolina Office of State Archaeology
PA	Programmatic Agreement
SHPO	State Historic Preservation Officer
THPO	Tribal Historic Preservation Officer
V-CRIS	Virginia Cultural Resources Information System
VDHR	Virginia Department of Historic Resources

## RESOURCE REPORT 4 CULTURAL RESOURCES

### 4.1 INTRODUCTION

On June 18, 2020, in Docket No. CP19-14-000, the Federal Energy Regulatory Commission (“FERC” or “Commission”) issued a Certificate of Public Convenience and Necessity pursuant to Section 7(c) of the Natural Gas Act to Mountain Valley Pipeline, LLC (“Mountain Valley”) authorizing Mountain Valley to construct and operate the MVP Southgate Project (or “Original Certificated Project”). A Final Environmental Impact Statement (“FEIS”) was issued by the FERC on February 14, 2020. A Programmatic Agreement (“PA”) among the Commission, the Virginia Department of Historic Resources (“VDHR”), and the North Carolina Historic Preservation Office (“NC HPO”) regarding the Original Certificated Project was executed on May 17, 2020. The VDHR and NC HPO represent the State Historic Preservation Officer (“SHPO”) in Virginia and North Carolina, respectively.

In December 2023, Mountain Valley submitted an update on the status of the Original Certificated Project, indicating that it had entered into precedent agreements for a redesigned pipeline route. Mountain Valley is currently seeking to amend the MVP Southgate Project (“Amendment Project”) by truncating the Original Certificated Project to approximately 31.3 miles, incorporating certain route deviations, increasing the diameter of the pipeline, removing the Lambert Compressor Station, and modifying the proposed interconnects. The Amendment Project facilities will be located in Pittsylvania County, Virginia, and Rockingham County, North Carolina. See Resource Report 1 for additional information on the Original Certificated Project and Amendment Project.

#### 4.1.1 Environmental Resource Report Organization

Resource Report 4 includes a discussion of the scope and authority of the cultural resources review process; presents coordination with state and federal agencies, Native American groups, and other interested parties; defines the area of potential effects (“APE”) for the Amendment Project; presents the methods and results of the cultural resources investigations; and discusses the project-specific Unanticipated Discoveries Plan. The report is prepared and organized according to the FERC (2017a) *Guidance Manual for Environmental Report Preparation*. The information presented in Resource Report 4 has not changed from the FEIS issued for the Original Certificated Project on February 14, 2020, except where noted.

### 4.2 SCOPE AND AUTHORITY

The Amendment Project is being reviewed under Section 106 of the National Historic Preservation Act of 1966, as amended, and under the National Environmental Policy Act of 1969, as amended (“NEPA”). Section 106 and its implementing regulations in 36 Code of Federal Regulations (“CFR”) Part 800 are described in the FEIS. Additionally, the primary goals of cultural resources investigations conducted as part of the Section 106 review are described in the FEIS.

Like the Original Certificated Project described in the FEIS, the cultural resources investigations for the Amendment Project are being conducted in accordance with (1) 18 CFR Part 380, the FERC’s *Regulations Implementing the National Environmental Policy Act*, including Sections 380.3–Environmental Information to be Supplied by an Applicant and 380.14–Compliance with the National Historic Preservation Act; (2) the FERC’s Office of Energy Projects’ *Guidelines for Reporting on Cultural*

*Resources Investigations for Natural Gas Projects* (FERC 2017b); and (3) the Secretary of the Interior's *Standards and Guidelines for Archeology and Historic Preservation* (48 Federal Register 44716-42, September 29, 1983). The work also conforms to the relevant SHPO guidelines, including the VDHR *Guidelines for Conducting Historic Resources Survey in Virginia*, the NC HPO *Archaeological Investigation Standards and Guidelines and Report Standards for Historic Structure Survey Reports/Determinations of Eligibility/Section 106-110 Compliance Reports in North Carolina* (NC HPO 2016, 2017, 2022, 2023; VDHR 2017), and the applicable stipulations of the PA.

### **4.3 AGENCY AND NATIVE AMERICAN COORDINATION**

Mountain Valley is assisting the FERC in meeting its Section 106 obligations by facilitating coordination with various state and local agencies and Native American groups located in or having interests regarding cultural resources in Virginia and North Carolina. This section details the correspondence Mountain Valley has conducted to date with each of these entities.

Archaeological and architectural surveys were completed between 2018 and 2020 for the Original Certificated Project. Correspondence related to those surveys and associated reports are described in the FEIS. No additional archaeological or architectural surveys were conducted for the Original Certificated Project in North Carolina or Virginia from June 2020 until fieldwork resumed for the Amendment Project in July 2024. Correspondence related to the cultural resources surveys for the Amendment Project referenced below is included in Resource Report 1, Appendix 1-I. Additional correspondence will be forwarded to the Commission upon receipt.

#### **4.3.1 Virginia Department of Historic Resources**

On July 17, 2024, Mountain Valley met with the VDHR to reinstate consultation for the Amendment Project. Archaeological and architectural field surveys resumed on July 25, 2024.

The Addendum 3 report presenting the results of the additional archaeological survey for the Amendment Project conducted from July 25–August 10 and October 19, 2024, was submitted to the VDHR on December 13, 2024 (as provided in Appendix 4-A, Privileged and Confidential [CUI//PRIV], provided under separate cover). Archaeological resource protection plans for sites 44PY0449, 44PY0452, and 44PY0479 were also submitted to the VDHR on December 13, 2024 (as provided in Appendix 4-B [CUI//PRIV], provided under separate cover).

Mountain Valley filed a letter with VDHR on August 6, 2024, outlining plans to revisit certain historical architectural properties in Virginia in addition to completing survey of previously unsurveyed properties. The VDHR did not respond to that letter, and Mountain Valley conducted the proposed field visits and analyses. The Addendum 2 report presenting results of the additional aboveground resources surveys conducted in Virginia from August 5–8 and October 22–23, 2024, was submitted to the VDHR on January 9, 2024 (as provided in Appendix 4-E [CUI//PRIV], provided under separate cover). Protection plans for aboveground resources 071-0036 and 071-5622 also were submitted to the VDHR on January 9, 2024 (as provided in Appendix 4-F [CUI//PRIV], provided under separate cover).

#### **4.3.2 North Carolina Historic Preservation Office**

On July 16, 2024, Mountain Valley met with the NC HPO to reinstate consultation for the Amendment Project. Archaeological and architectural field surveys resumed on July 22, 2024. The Addendum 6 report,



presenting the results of the additional archaeological survey for the Amendment Project conducted from July 22–24, 2024, was submitted to the NC HPO on December 5, 2024 (as provided in Appendix 4-C [CUI//PRIV], provided under separate cover). Archaeological resource protection plans for sites 31RK44 and 31RK299 were also submitted to the NC HPO on December 5, 2024 (as provided in Appendix 4-D [CUI//PRIV], provided under separate cover).

The Addendum 3 report presenting the results of the additional aboveground resources survey conducted in August 2024 was submitted to the NC HPO on December 6, 2024 (as provided in Appendix 4-G [CUI//PRIV], provided under separate cover). On January 16, 2025, the NC HPO responded to the Addendum 3 report submittal, concurring with the assessment of the aboveground resources addressed in the addendum report (see Resource Report 1, Appendix 1-I).

### **4.3.3 Native American Coordination**

Mountain Valley, on behalf of the FERC, previously contacted (via email, phone calls, and meetings) federally recognized Native American groups to provide them the opportunity to identify concerns related to the Original Certificated Project. Tribes that previously requested further coordination and/or consulting party status on the Original Certificated Project under the Section 106 review process are detailed in the FEIS. A revised letter regarding the amended route and other changes was sent to those groups associated with the Amendment Project on July 31, 2024. On August 1, 2024, the Catawba Nation responded to Mountain Valley outreach. Ms. Wenonah Haire, Tribal Historic Preservation Officer (“THPO”) for the Catawba Nation, expressed via phone call the desire for a third-party archaeologist to conduct future fieldwork and that all cultural resource reports should be mailed in hard copy to her office for review. On January 16, 2025, the Catawba Nation requested that sites 31RK44 and 31RK299 be avoided by the Amendment Project, and on January 17, 2025, the Catawba Nation concurred with the archaeological resource protection plans provided for sites 31RK44 and 31RK299. Information on those tribes and contacts and responses received to date is provided in Table 4.3-1 (see Tables [Public] Section) and in Resource Report 1, Appendix 1-I.

Like the Original Certificated Project described in the FEIS, Mountain Valley is also contacting individual non-federally recognized tribes in North Carolina and Virginia to provide those groups the opportunity to identify concerns related to the Amendment Project. These tribes are recognized within their respective states and were recommended as part of the outreach plan by the Virginia and North Carolina SHPO offices. On July 31, 2024, the Occaneechi Band of the Saponi Nation (a state-recognized tribe in North Carolina) expressed interest in participating in consultation. Mountain Valley met virtually with tribal representatives on September 3, 2024, to discuss the Amendment Project. On September 7, 2024, the tribe had further questions on safety procedures, pressure monitors, and right-of-way disturbance that Mountain Valley answered to their satisfaction. On October 1, 2024, the Occaneechi Band of the Saponi Nation requested digital copies of the completed cultural resource reports and other environmental reports, if available. Coordination with the Occaneechi Band of the Saponi Nation is ongoing. Information on those contacts and responses received to date are provided in Table 4.3-2 (see Tables [Public] Section).

### **4.3.4 Coordination with Other State and Local Agencies and with Individuals**

Mountain Valley previously provided information to Certified Local Governments and historical associations in North Carolina and Virginia, as detailed in Table 4.10-7 of the FEIS. In Virginia, the Pittsylvania Historical Society previously expressed an interest in the Original Certificated Project, and

coordination with that group is ongoing. In North Carolina, the Alamance County Historical Properties Commission (“ACHPC”), the Graham Historical Museum, and the Rockingham County Historical Society had responded, expressing an interest in the Original Certificated Project. The Rockingham County Historic Society has been contacted regarding the Amendment Project (see Appendix 1-I). As a result of the amended route, the Amendment Project is no longer within Alamance County or in the vicinity of Graham. Both the ACHPC and Graham Historical Museum have been notified of the changes in the amended route (see Appendix 1-I).

The FERC previously used the NEPA scoping and public comment process as its public participation process under Section 106 for the Original Certificated Project. Information relating to potential cultural resources identified for the Original Certificated Project is detailed in the FEIS.

#### **4.4 AREA OF POTENTIAL EFFECTS**

The APE is the “geographic area or areas within which an undertaking may directly or indirectly cause changes in the character of or use of historic properties, if any such properties exist” (36 CFR 800.16(d)). A direct effect results from the undertaking at the same time and place with no intervening cause and is considered “direct” regardless of its specific type (e.g., whether it is visual, physical, auditory, etc.). “Indirect” effects to historic properties are those caused by the undertaking that are later in time and farther removed in distance but are still reasonably foreseeable. The APE is defined based on the potential for effect, which may differ for aboveground cultural resources (historic structures and landscapes) as compared to subsurface resources (archaeological sites). Three separate APEs were defined for the Amendment Project: the Physical APE, the Non-Physical APE (for visual, auditory, vibratory, and atmospheric effects), and the Indirect APE.

##### **4.4.1 Physical APE**

The Physical APE considered for the Amendment Project surveys includes a 300- or 400-foot-wide study corridor along the pipeline centerline that encompasses all areas of ground disturbance for the pipeline trench as well as associated temporary workspaces. The Physical APE is 300 feet wide where the corridor is not collocated with other utility corridors and 400 feet wide where it is collocated. Within this corridor, a generally 100-foot-wide right-of-way would include the permanent 50-foot-wide easement and temporary workspaces. Additional temporary workspaces may be required for construction activities requiring space outside the standard 100-foot-wide construction right-of-way but would still be within the 300- or 400-foot-wide study corridor (i.e., the Physical APE). The Physical APE also includes the footprints of such facilities, such as access roads, cathodic protection ground beds, meter stations, and contractor yards.

##### **4.4.2 Non-Physical APE**

The Non-Physical APE considered for the Amendment Project is the area within which any resources (including individual resources, potential historic districts, or cultural landscapes) might be within view of proposed vegetation clearing or aboveground construction or otherwise potentially affected by Amendment Project activities. The Non-Physical APE extends out to 0.5 mile from all project facilities unless vegetation and/or topography obstructs lines of sight to less than 0.5 mile.

### 4.4.3 Indirect APE

The Indirect APE consists of the area in which the undertaking may result in changes to land use, public access, traffic patterns, etc. The Indirect APE for the Amendment Project is subsumed within the Physical and Non-Physical APEs and is not addressed separately in Amendment Project analyses and reports.

## 4.5 CULTURAL RESOURCES INVESTIGATIONS

Cultural resources include archaeological sites, historic standing structures, objects, districts, traditional cultural properties or places, and other properties that illuminate important aspects of prehistory or history or have important and long-standing cultural associations with established communities or social groups. Significant archaeological and architectural properties are generally identified using the eligibility criteria for listing in the National Register of Historic Places (“NRHP”) in consultation with the SHPOs of the respective states through which a project traverses and/or THPOs of Native American groups residing in or with historical ties to the area.

The cultural resources investigations for the Amendment Project were conducted in accordance with applicable FERC and SHPO guidelines. The individuals responsible for conducting the surveys meet or exceed all requirements set forth by the Secretary of Interior at 36 CFR Part 61.

### 4.5.1 Overview Results

The initial phase of the investigation involved background research to gather information about previous cultural resources investigations and known archaeological sites and aboveground resources within 0.5 mile of the Amendment Project’s Physical APE and to determine which Native American groups and other organizations might have interest in the Amendment Project. The methods used to complete the overview have not changed from the FEIS.

#### 4.5.1.1 Archaeological Sites

The VDHR archaeological site files are part of the state database system known as the Virginia Cultural Resources Information System (“V-CRIS”). Mountain Valley re-reviewed V-CRIS on July 30, 2024, and identified records for 72 archaeological sites (including one district) that have been previously recorded within 0.5 mile of the Amendment Project, including 19 precontact sites, 16 precontact and postcontact sites (including one district), and 37 postcontact sites. Information on those resources is provided in Table 4.5-1 (see Tables [CUI//PRIV] Section, provided under separate cover). Of those 72 sites, five (including one district) have been determined eligible for the NRHP, eight are considered potentially eligible for the NRHP, 17 have not been evaluated for NRHP eligibility, and 42 have been determined not eligible for the NRHP.

The NC HPO archaeological site files are maintained by the North Carolina Office of State Archaeology (“OSA”). Mountain Valley re-reviewed OSA files on July 11, 2024, and identified records for 25 archaeological sites that have been previously recorded within 0.5 mile of the Amendment Project, including 20 precontact sites, two precontact and postcontact sites, and three postcontact sites. Information on those sites is provided in Table 4.5-2 (see Tables [CUI//PRIV] Section, provided under separate cover). Of those 25 sites, one is listed in the NRHP, 11 have not been evaluated for NRHP eligibility, and 13 have been determined not eligible for the NRHP.

#### 4.5.1.2 Aboveground Cultural Resources

A search of V-CRIS revealed 88 postcontact aboveground cultural resources recorded within 0.5 mile of the Amendment Project in Virginia. Information on those resources is provided in Table 4.5-3 (see Tables [CUI//PRIV] Section, provided under separate cover). Those 88 resources include five that are listed in the NRHP, seven that have been determined eligible for the NRHP (including five that have been determined eligible for Environmental Review purposes only), 44 that have been determined not eligible for the NRHP, and 32 that are considered potentially eligible or have not been formally evaluated for NRHP eligibility.

A search of NC HPO records revealed six postcontact aboveground cultural resources recorded within 0.5 mile of the Amendment Project in North Carolina. Information on those resources is provided in Table 4.5-4 (see Tables [CUI//PRIV] Section, provided under separate cover). Of those six resources, one has been demolished since being recorded. The five remaining previously recorded aboveground resources in North Carolina include one that is listed in the NRHP and four that have not been assessed for NRHP eligibility.

#### 4.5.2 Archaeological Field Surveys

Mountain Valley has completed systematic Phase I archaeological field surveys of the Amendment Project corridor and other facilities, following the state guidelines and project-specific protocols. The survey procedures included a pedestrian walkover of all portions of the Physical APE, systematic surface examination of all suitable areas, and systematic subsurface testing of areas lacking sufficient surface visibility or that have potential for subsurface resources. The archaeological surveys began on July 22, 2024, and were completed on October 22, 2024. This Resource Report 4 contains information on the field survey activities completed between the FEIS and October 22, 2024. It also includes information on those cultural resources that were identified as part of the surveys conducted for both the Original Certificated Project and the Amendment Project.

In Virginia, crews excavated 40-centimeter-diameter shovel tests at maximum intervals of 15 meters within the survey area; additional close-interval shovel tests were excavated to delineate potential archaeological sites and finds. Shovel tests were excavated in arbitrary 10-centimeter levels to sterile subsoils (with the exception of disturbed plow zone soils, which were excavated as a single level) unless natural obstructions (e.g., rocks, bedrock, or roots) prevented further excavation. Excavated soil was hand screened through 0.25-inch wire mesh hardware cloth. Cultural materials remaining in the mesh were bagged and tagged by level within each shovel test pit, and the counts and types of recovered cultural material were noted on field forms. Soil profiles were recorded for each shovel test on standardized forms. All shovel tests were filled following excavation to restore the ground surface to its original contour. Digital photographs were taken of the general Amendment Project area and recorded on standardized logs. Sub-meter Global Positioning System (“GPS”) data were collected for each shovel test excavated within the survey area. Visible surface features (e.g., foundations) encountered during the survey were recorded through description and photographs, and locational data were collected with the GPS and drawn on Amendment Project maps.

In North Carolina, crews excavated 30- to 40-centimeter-diameter shovel tests at intervals of 30 meters within the survey areas; additional close-interval shovel tests were excavated to delineate potential archaeological sites and finds. Tests were excavated in arbitrary 10-centimeter levels to sterile subsoils (with the exception of disturbed plow zone soils, which were excavated as a single level) unless natural obstructions (e.g., rocks, bedrock, or roots) prevented further excavation. Excavated soil was hand screened

through 0.25-inch wire mesh hardware cloth. Cultural materials remaining in the mesh were bagged and tagged by level within each shovel test, and the counts and types of recovered cultural material were noted on field forms. Soil profiles were recorded for each shovel test on standardized forms. All shovel tests were filled following excavation to restore the ground surface to its original contour. Digital photographs were taken of the general Amendment Project area and recorded on standardized logs. Sub-meter GPS data were collected from each shovel test excavated within the survey area. Visible surface features (e.g., foundations) encountered during the survey were recorded through description and photographs, and locational data were collected with the GPS and drawn on Amendment Project maps.

All cultural resource surveys along the Amendment Project route and of aboveground facility sites have been completed.

#### **4.5.2.1 Virginia Archaeological Survey Results**

The archaeological surveys conducted in Virginia for the Original Certificated Project and Amendment Project have resulted in the identification of 36 archaeological resources in the Amendment Project Physical APE: 28 precontact archaeological sites or isolated finds, three precontact and postcontact archaeological sites or isolated finds, and five postcontact archaeological sites or isolated finds (Table 4.5-5, see Tables [CUI//PRIV] Section, provided under separate cover). The locations of these resources include 23 precontact archaeological sites or isolated finds, four postcontact archaeological sites or isolated finds, and three precontact and postcontact archaeological sites or isolated finds located along the pipeline route; one precontact isolated find situated within the Lambert Interconnect; one postcontact site situated at a contractor yard; and four precontact sites or isolated finds located along access roads. Cemeteries are considered aboveground resources in Virginia and are not included in these totals.

Based on the survey (and in some cases, subsequent evaluation), 31 of the 36 archaeological sites or finds in Virginia appear to have limited research potential and otherwise fail to meet the NRHP criteria based on the deposits present within the Physical APE. Per VDHR guidelines, those sites or finds have been recommended (and in most cases subsequently determined) not eligible for listing in the NRHP under Criteria A–D (if their boundaries have been totally defined within the Physical APE) or recommended NRHP unassessed (if their boundaries have not been entirely defined), and no further archaeological evaluation is recommended for the Amendment Project. The NRHP evaluation criteria are defined in the FEIS.

Mountain Valley recommends one site in Virginia as NRHP eligible and four sites in Virginia as unassessed. All five will be avoided by the Amendment Project. The necessary avoidance plans have been submitted to the VDHR and applicable tribes for review and approval.

#### **4.5.2.2 North Carolina Archaeological Survey Results**

The archaeological surveys conducted for the Original Certificated Project and Amendment Project in North Carolina resulted in the identification of 14 archaeological resources in the Amendment Project Physical APE: 13 precontact archaeological sites or isolated finds and one precontact and postcontact site (Table 4.5-6, see Tables [CUI//PRIV] Section, provided under separate cover). These include 10 precontact archaeological sites along the Amendment Project route as well as three precontact sites and one precontact and postcontact site along access roads.



Based on the survey data, nine of the 14 archaeological sites or finds in North Carolina appear to have limited research potential and otherwise fail to meet the NRHP criteria based on the deposits present within the Physical APE. Per NC HPO guidelines, those sites will be recommended (and in some cases have been subsequently determined) as not eligible for listing in the NRHP under Criteria A–D, and no further archaeological evaluation will be recommended for the Amendment Project.

Mountain Valley recommends five sites in North Carolina as unassessed for the NRHP. All five of those sites will be avoided. Results of the archaeological investigations were submitted to the NC HPO and applicable tribes in December 2024. The necessary avoidance plans have been submitted to the NC HPO and applicable tribes for review and approval. The Catawba Nation approved the avoidance plans prepared for the Amendment Project on January 17, 2025.

### **4.5.3 Aboveground Cultural Resources Survey**

Following the completion of background research, Mountain Valley conducted systematic surveys of historical architectural properties and other aboveground resources within the Amendment Project Physical and Non-Physical APEs. The fieldwork involved the identification of all aboveground properties within the APEs that appear to be at least 45 years old or are included in previous inventories, including potential cultural landscapes and historic districts. Prior to fieldwork, architectural historians used aerial photographs, topographic maps, and other sources to identify, map, and compile a database of potential aboveground resources within the APEs. Aerial base maps and property parcel maps were then used during the fieldwork to identify the study corridor. The architectural historians visited parcels from public rights-of-way, associated properties, and known or potential historic districts for which any portion of the property intersects with the survey corridor. Each property included in the survey was assigned a survey number and plotted on a base map. Data regarding the current condition and significant characteristics of identified properties were recorded, and the information on the inventory forms for previously surveyed properties was verified. Photographs of each surveyed property and its views toward the Amendment Project were taken with a high-resolution digital camera. If any potential historic districts were identified, surveyors recorded information about the area’s character; photographed streetscapes, views, and individual properties; and identified the boundaries of the potential district.

Based on the condition, integrity, materials, approximate age, design, and setting of the identified resources, a preliminary assessment was formed regarding the potential NRHP eligibility of each property. An assessment of the potential effects of the Amendment Project was then conducted for properties that are listed or evaluated as potentially eligible for listing in the NRHP. The assessment took into account the location of the property in relation to the pipeline, the nature of the potential effects, and the characteristics of the property’s significance.

Intensive aboveground survey fieldwork by architectural historians has been completed for 100 percent of the Amendment Project APEs.

#### **4.5.3.1 Virginia Aboveground Cultural Resources Survey Results**

Mountain Valley identified 145 aboveground resources within the survey areas in Virginia. Table 4.5-7 (see Tables [CUI//PRIV] Section, provided under separate cover) lists the aboveground resources identified in Virginia for the Amendment Project. No aboveground historic districts or historic cultural landscapes have been identified in Virginia. Per VDHR guidelines, historic cemeteries lacking associated archaeological components are classified as aboveground resources in Virginia.

Eight of the 145 aboveground resources identified in Virginia are currently listed on, eligible for, treated as eligible for, or will be recommended eligible for the NRHP, and four of the resources are considered or treated as potentially eligible for the NRHP. The remaining 133 aboveground resources have either been determined or are recommended not eligible for the NRHP. If any of those resources are determined NRHP eligible, Mountain Valley will then assess Amendment Project effects and evaluate measures to avoid, minimize, and/or mitigate those effects, if present.

#### **4.5.3.2 North Carolina Aboveground Cultural Resources Survey Results**

Mountain Valley has identified 37 aboveground resources within the survey areas in North Carolina. Table 4.5-8 (see Tables [CUI//PRIV] Section, provided under separate cover) lists the aboveground resources identified in North Carolina for the Amendment Project to date. No historic districts or historic cultural landscapes have been identified to date in North Carolina. Per NC HPO guidelines, historic cemeteries are generally classified as archaeological sites in North Carolina.

One of the 37 aboveground resources identified in North Carolina is currently listed in the NRHP, and Mountain Valley has recommended that the Amendment Project will not adversely affect that resource. Two aboveground resources are unassessed for the NRHP but will not be affected by the Amendment Project due to distance and intervening vegetation. The NC HPO concurred with these assessments on January 16, 2025. The remaining 34 aboveground resources have either been determined or are recommended not eligible for the NRHP (see Table 4.5-8 in Tables [CUI//PRIV] Section, provided under separate cover). If any of those resources are determined NRHP eligible, Mountain Valley will then assess Amendment Project effects and evaluate measures to avoid, minimize, and/or mitigate those effects, if present.

#### **4.5.4 Aboveground Cultural Resource Impacts and Avoidance Measures**

To the greatest extent practicable, Amendment Project construction and operation will not result in direct effects to NRHP-eligible or NRHP-listed aboveground resources. The only areas where physical project-related impacts may occur are areas with shallow depth to bedrock where blasting may be required. Where consolidated rock is encountered during construction, Mountain Valley's preferred procedures and blasting techniques are described in the FEIS. If blasting is necessary, Mountain Valley will follow the measures outlined in its General Blasting Plan that was revised for the Amendment Project. Further details regarding the General Blasting Plan and mitigation efforts are included in Resource Report 6 and the FEIS. Localized temporary visual, auditory, vibratory, and atmospheric effects related to construction may occur but are expected to resolve once construction is complete.

#### **4.5.5 Summary**

As of this filing, archaeological surveys have been completed for the entire 31.3 miles (100 percent) of the Amendment Project pipeline route. In addition, surveys have been completed for all MLVs, interconnects, contractor yards, and access roads in both Virginia and North Carolina.

Archaeological surveys resulted in the identification of 50 archaeological resources (archaeological sites and isolated finds): 36 in Virginia and 14 in North Carolina. Forty of these sites are recommended as not eligible for listing in the NRHP or otherwise do not require further investigations. One site in Virginia has been determined NRHP eligible. The remaining nine sites (four in Virginia and five in North Carolina)

would require additional investigation to assess NRHP eligibility. All 10 of those sites will be avoided by the Amendment Project.

Aboveground resource (i.e., architectural) field surveys resulted in the identification of 181 aboveground resources: 144 in Virginia and 37 in North Carolina. No aboveground historic districts or historic cultural landscapes have been identified. Of the 181 aboveground resources, nine are currently listed on, eligible for, treated as eligible for, or recommended eligible for the NRHP, and four are considered or treated as potentially eligible for the NRHP. Mountain Valley recommends the remaining 168 aboveground resources as not eligible for the NRHP.

The results completed for the Original Certificated Project were previously submitted to FERC, VDHR, NC HPO, and Native American groups expressing interest in the Amendment Project. The results of the additional surveys completed for the Amendment Project are provided in Appendices 4-A, Appendix 4-C, Appendix 4-E, and Appendix 4G and have likewise been submitted to the VDHR, NC HPO, and those Native American groups expressing interest in the Amendment Project.

Mountain Valley's goal is to build and operate the Amendment Project without adverse effects to NRHP-listed and -eligible cultural resources. If any NRHP-listed or -eligible resources cannot be avoided and will be adversely affected by the Amendment Project, Mountain Valley will develop and implement appropriate treatment plans in consultation with the FERC, the VDHR or NC HPO, interested Native American groups, and other interested parties as appropriate, in accordance with the PA.

#### **4.6 PLAN FOR UNANTICIPATED DISCOVERIES OF HISTORIC PROPERTIES AND HUMAN REMAINS**

The Original Certificated Project developed a Plan for Unanticipated Discoveries of Historic Properties and Human Remains, Virginia and North Carolina, which was previously reviewed and approved by the VDHR, NC HPO, and Catawba Indian Nation and was presented in the FEIS.



## 4.7 REFERENCES

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# **MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Tables (Public) Section**

<b>Table 4.3-1</b>		
<b>Federally Recognized Native American Groups Contacted</b>		
<b>Tribe Name</b>	<b>Date(s) Contacted (includes meetings)</b>	<b>Date(s) Response Received (includes meetings)</b>
Catawba Indian Nation	7/31/2024, 8/1/2024, 12/5/2024, 12/13/2024	7/31/2024, 8/1/2024, 1/16/2025, 1/17/2025
Cherokee Nation of Oklahoma	7/31/2024	No response received to date
Chickahominy Tribe	7/31/2024	No response received to date
Chickahominy Tribe, Eastern Division	7/31/2024	No response received to date
Delaware Nation	7/31/2024	No response received to date
Delaware Tribe of Indians	7/31/2024	No response received to date
Eastern Band of Cherokee Indians	7/31/2024	No response received to date
Monacan Indian Nation	7/31/2024	No response received to date
Nansemond Tribe	7/31/2024	No response received to date
Pamunkey Tribe	7/31/2024	No response received to date
Rappahannock Tribe	7/31/2024	No response received to date
Upper Mattaponi Tribe	7/31/2024	No response received to date

<b>Table 4.3-2</b>		
<b>Non-federally Recognized Native American Groups Contacted</b>		
<b>Tribe Name</b>	<b>Date(s) Contacted (includes meetings)</b>	<b>Date(s) Response Received (includes meetings)</b>
Cheroenhaka (Nottoway) Tribe	7/31/2024	No response received to date
Coharie Tribe	7/31/2024	No response received to date
Haliwa-Saponi Indian Tribe	7/31/2024	No response received to date
Lumbee Tribe	7/31/2024	No response received to date
Mattaponi Tribe	7/31/2024	No response received to date
Meherrin Indian Tribe	7/31/2024	No response received to date
Nottoway Indian Tribe of Virginia	7/31/2024	No response received to date
Occaneechi Band of the Saponi Nation	7/31/2024, 8/27/2024, 9/3/2024, 9/16/2024, 10/1/2024, 12/5/2024	7/31/2024, 9/17/2024, 9/25/2024, 10/1/2024, 10/10/2024, 12/5/2024, 12/13/2024
Patawomeck Tribe	7/31/2024	No response received to date
Sappony Tribe	7/31/2024	No response received to date
Waccamaw Siouan Tribe	7/31/2024	No response received to date

## **MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Tables (CUI//PRIV) Section**

***(CUI//PRIV, Privileged and Confidential Information,  
Provided Under Separate Cover)***

**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-A**

**Phase I Archaeological Survey Report  
for Virginia: Addendum 3**

***(CUI//PRIV, Privileged and Confidential Information,  
Provided Under Separate Cover)***



**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-B**

**Resource Protection Plans for Sites  
44PY0449, 44PY0452, and 44PY0479 in Virginia**

***(CUI//PRIV, Privileged and Confidential Information,  
Provided Under Separate Cover)***

**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-C**

**Phase I Archaeological Survey Report  
for North Carolina: Addendum 6**

***(CUI//PRIV, Privileged and Confidential Information,  
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**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-D**

**Resource Protection Plans for Sites  
31RK44 and 31RK299 in North Carolina**

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**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-E**

**Phase I Aboveground Resources Survey  
Report for Virginia: Addendum 2**

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**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-F**

**Resource Protection Plans for Resources  
071-0036 and 071-5622 in North Carolina**

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**MVP Southgate Amendment Project**

**Docket No. CP25-XX-000**

**Resource Report 4**

**Appendix 4-G**

**Phase I Aboveground Resources Survey  
Report for North Carolina: Addendum 3**

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Provided Under Separate Cover)***