



PennEast Pipeline Company, LLC

PENNEAST PIPELINE PROJECT

**D – CULTURAL RESOURCES SUMMARY
BUCKS COUNTY**

REVISED OCTOBER 2019

Submitted by:
PennEast Pipeline Company, LLC



Agency Consultation/Coordination: The results of the archaeological and architectural history investigations conducted in Bucks County for the PennEast Pipeline Project (Project) have been submitted to the Pennsylvania State Historic Preservation Office (PASHPO). Report submittal dates and PASHPO response dates are included in Table D-1. Correspondence with and reports submitted to the PASHPO that do not contain culturally sensitive information are included in the Joint Permit Application (JPA) Section D-1. Correspondence and reports that contain culturally sensitive information are marked “Contains Privileged Information – Do Not Release,” and are included in Section D-2 of this JPA.

**Table D-1
Project Report Submittals and PASHPO Response Dates**

Report Title	Abbreviated Title	Submittal Date	PASHPO Response Date
Cultural Resources Scoping Letter	Scoping Letter	8/20/14	9/10/14
Archaeological Reports:			
Phase I Archaeological Survey Report	PA Phase I	9/24/15	10/22/15
Phase I Archaeological Survey Report, Addendum 1	PA Phase I, Addendum 1	3/18/16	4/14/16
Phase I Archaeological Survey Report, Addendum 2	PA Phase I, Addendum 2	8/19/16	9/22/16
Phase I Archaeological Survey Report, Addendum 3	PA Phase I, Addendum 3	10/31/18	11/28/18
Historic Architectural Reports:			
Reconnaissance-Level Historic Architectural Survey Report	PA Recon Survey	9/30/15	10/21/15
Reconnaissance-Level Historic Architectural Survey, Addendum 1	PA Recon Addendum 1	8/9/16	9/8/16
Reconnaissance-Level Historic Architectural Survey, Addendum 2 and Intensive-Level Historic Architectural Survey	PA Recon Addendum 2	5/9/17	6/1/17
Reconnaissance-Level Historic Architectural Survey, Addendum 3 and Intensive-Level Historic Architectural Survey, Addendum 2	PA Recon Addendum 3	7/25/17	8/11/17



Report Title	Abbreviated Title	Submittal Date	PASHPO Response Date
Reconnaissance-Level Historic Architectural Survey, Addendum 4 and Intensive-Level Historic Architectural Survey Revisions	PA Recon Addendum 4	10/31/18	11/27/18
Determination of Effects Report-Pennsylvania	PA Effects Report	5/3/19	6/5/19
Determination of Effects Report-Pennsylvania Addendum	PA Effects Addendum	7/22/19	8/19/19

On August 20, 2014, PennEast Pipeline Company, LLC (PennEast) submitted the Scoping Letter to the PASHPO, which included Project mapping, the results of preliminary background research, and outlined the proposed methods for identification-level archaeological and architectural history surveys for the Project (Section D-2). The Scoping Letter also included an Unanticipated Discovery Plan (UDP) guiding the treatment of human remains and archaeological sites that might be discovered during Project construction. The PASHPO concurred with PennEast’s survey methodologies and the UDP in a letter dated September 10, 2014. Continued cultural resources investigations have followed the PASHPO-approved methods. PennEast has provided all Project route changes to the PASHPO. The PASHPO concurred that Phase I archaeological survey of the Project was complete in their letter dated March 19, 2019 (Section D-1). In their letter dated May 28, 2019, the PASHPO also concurred with PennEast’s summary of NRHP eligibility determinations and treatment plans for archaeological resources (Section D-1). The PASHPO has also concurred with the recommendations of PennEast regarding the potential of the Project to effect individual historic architectural resources in their letter dated August 19, 2019.

On December 31, 2014, PennEast sent letters to 15 federally recognized Native American tribes with historic ties to the area crossed by the Project. Of the 15 tribes contacted, the Delaware Tribe of Indians, the Oneida Indian Nation, and the Stockbridge Munsee Band of Mohicans requested archaeological survey and evaluation reports for the Project. PennEast has provided these reports, as well as mapping for Project route changes. Correspondence with these three tribes is ongoing, copies of which are available on request.

Public Outreach: An Open House for the Project was held November 12, 2014 in Bethlehem, Pennsylvania (PA). The Federal Energy Regulatory Commission (FERC) held a Public Scoping Meeting in Newtown, PA on January 28, 2015, to inform the public of the Project and to identify potential issues to be addressed in the Environmental Impact Statement (EIS). In December 2015, PennEast initiated consultation with statewide, regional, and local organizations in Pennsylvania to request their input regarding known cultural resources located within the Project boundaries. For Bucks County, these included the Bucks County Historical Society, Durham Historical Society, the Pennsylvania Canal Society, Preservation Pennsylvania, the Riegelsville Historical Society, and the



Society for Pennsylvania Archaeology. FERC held a public session on August 15, 2016 in Lahaska, PA, to solicit comments on the Draft EIS. Additional comments were received from Riegelsville Borough, the Durham Township Planning Commission, and Kathleen Gentner, Durham Township Supervisor.

Summary of Archaeological Investigations: The Phase I archaeological survey (Phase I Survey) in Bucks County was performed according to the PASHPO-approved methods outlined in the Scoping Letter. The purpose of the Phase I Survey was to identify archaeological sites in the area of potential effects (APE) that are potentially eligible for listing in the NRHP. Between August 2014 and late 2016, a Phase I Survey was conducted in a 400-foot wide study corridor that extended beyond the proposed limit of disturbance (LOD). The Phase I survey between late 2016 and July 2018 was limited to the LOD for the Revised PA Route, which serves as the APE for archaeological resources. Both the 400-foot study corridor and the LOD were subject to a thorough pedestrian survey to define above-ground indicators of archaeological sites such as rock shelters, historic structures, or foundations regardless of field conditions (i.e., steep slopes, standing water). Pedestrian survey was conducted in concert with subsurface testing that was guided by an archaeological sensitivity model based on geographic information systems analysis and historic mapping. Subsurface testing methods included shovel testing in uplands, where archaeological resources are typically located within three feet of the ground surface. Deeper test unit excavation was conducted in alluvial settings where archaeological sites can be buried below three feet. In their letter dated March 19, 2019, the PASHPO concurred that Phase I Survey of the Revised PA Route is complete in Bucks County (Section D-1).

Archaeological Resources Identified: The Phase I Survey in Bucks County identified three archaeological resources, two of which are located in or adjacent to the Revised PA Route. These two archaeological resources are summarized below in Table D-2, along with PennEast and PASHPO recommendations on their eligibility for listing in the NRHP. The PASHPO determined that 36BU/103 is not eligible for the NRHP. The PASHPO concurred with the avoidance plan for 36BU0454 and reiterated their concurrence by letter dated May 28, 2019 (Section D-1). The avoidance plan specifies matting of the LOD to protect the resource from soil compaction and vehicle rutting, and fencing and signage of the LOD during construction to prevent unintentional vehicular traffic outside of the LOD.

Table D-2
Archaeological Resources In or Adjacent to the Revised PA Route in Bucks County

Resource ID	Description	PennEast NRHP Recommendation and Treatment Recommendation	PASHPO NRHP Determination and Treatment Recommendation	Treatment Status
36BU/103	Prehistoric Isolated Find	Not Eligible, No Further Work (PA Phase I)	Not Eligible, No Further Work (10/22/15)	No Further Work



36BU0454	Prehistoric Site	Potentially Eligible (PA Phase I, Addendum 1); Avoidance (PA Phase I, Addendum 3)	Not Evaluated (4/14/16); Avoidance Plan Accepted (11/28/18)	Avoidance
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Summary of Architectural History Investigations: The architectural history field survey occurred between October 2014 and May 2015 within an architectural history APE based on properties intersected by a 400-foot wide study corridor as presented to PASHPO in the Scoping Letter (September 10, 2014). Beginning in late 2016, the APE was refined and limited to those properties intersected by the LOD for the PA Revised Route. Inaccessible historic-age parcels were coordinated with the PASHPO based on a methodology approved in April 2018. Field survey of the Revised PA Route is complete in Bucks County.

Historic Architectural Resources Identified

The architectural history survey for Bucks County identified five historic architectural resources within the APE for the Revised PA Route. None of the resources require further work. All of the resources were recommended by PASHPO for no further work, either because they were not NRHP eligible, or because there was no anticipated Project effect. PASHPO coordination for these resources is summarized in Table D-3 below.



Table D-3
Aboveground Resources In or Adjacent to the Revised PA Route in Bucks County

Resource ID*	Resource Description	PennEast NRHP and Effects Recommendation	PASHPO NRHP Determination and Anticipated Effects	Treatment Status
001661	Canal prism, towpath	Not Applicable; No Adverse Effects (PA Effects Report)	National Historic Landmark; No Adverse Effects (8/19/19)	No Further Work
202345	Farm, 1920s home and outbuildings	Not Eligible (PA Recon Survey)	Undetermined; No Anticipated Effects (10/21/15)	No Further Work
202346	Farm, modified 3-bay Vernacular stone dwelling, stone-end barn	Needs Additional Research (PA Recon Survey). Not Eligible (PA Recon Addendum 2)	Not Eligible (6/1/17)	No Further Work
098081	Farm, 1829 4-bay stone house, barn, outbuildings and earlier house ruin	Needs Additional Research (PA Recon Survey); Not Eligible (PA Recon Addendum 2); No Adverse Effects (PA Effects Report)	Eligible (6/1/17), No Adverse Effects (6/5/19)	No Further Work
BU-0369	Commercial, Mission Style	Not Applicable (PA Effects Report)	No Adverse Effects (6/5/19)	No Further Work

* PASHPO key number (5 digits) or PennEast temporary field number (county abbreviation followed by 4 digits).