

Shutesbury Historical Commission

Leverett West/Parcel ZF-15

AMP Solar Project Preliminary Findings and Recommendations

July 21, 2021

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Introduction

This report represents the Historical Commission's response to a Project Notification Form (PNF) sent to the Massachusetts Historical Commission (MHC) by TRC Environmental Corporation (TRC) on behalf of AMP Solar Development, Inc (ASD). The Historical Commission received copies of this Project Notification on June 21, 2021.

Section 8.10-4.A.3 of Shutesbury Solar Zoning Bylaw requires Special Permit applicants to submit to the Planning Board the following:

"Locations of all known, mapped or suspected Native American archaeological sites or sites of Native American ceremonial activity. Identification of such sites shall be based on responses, if any, to written inquiries with a requirement to respond within 35 days, to the following parties: all federally or state recognized Tribal Historic Preservation Officers with any cultural or land affiliation to the Shutesbury area; the Massachusetts State Historical Preservation Officer; tribes or associations of tribes not recognized by the federal or state government with any cultural or land affiliation to the Shutesbury area; and the Shutesbury Historical Commission (emphasis added). Such inquiries shall serve as a notice to the aforesaid parties and shall contain a plan of the project, specific identification of the location of the project, and a statement that permitting for the project is forthcoming. Accompanying the site plan shall be a report documenting such inquiries, the responses from the parties, a description of the location and characteristics, including photographs, of any Native American sites and the outcomes of any additional inquiries made based on information obtained from or recommendations made by the aforesaid parties. A failure of parties to respond within 35 days shall allow the applicant to submit the site plans.

Pursuant to the above section of the Shutesbury Solar Zoning Bylaw, this report aims to provide ASD and the Shutesbury Planning Board with preliminary recommendations for further investigation and mitigation plan development. See Appendix A for a table of project names and identifiers.

The Shutesbury Historical Commission upholds the National Historic Preservation Act finding that only official representatives of the Indigenous Tribes have the right to identify cultural resources that are of interest to their communities. This report includes comments about historic properties and suspected Indigenous Traditional Cultural Properties within the proposed solar site. Recommendations for further investigations follow.

As the Historical Commission's other recent publications demonstrate, emerging research confirms a high incidence of anomalous stone groupings throughout Shutesbury.¹ This data, in combination with the 2008 Department of the Interior findings of a Ceremonial Landscape district in Franklin County and cultural knowledge shared by Indigenous traditional communities, create a strong presumption that forested tracts in town may contain Indigenous cultural resource areas.

In January 2021, the Historical Commission learned that the Wampanoag Tribe of Gay Head (Aquinnah) had reviewed some preliminary data about the project area and expressed an interest in conducting its own field research to determine if the site contains Traditional Cultural

Properties. For a discussion of Traditional Cultural Properties, see the Historical Commission's report, *Introduction to Indigenous Cultural Sites in Shutesbury* ([https://shutesbury.org/sites/default/files/offices_committees/historical/Introduction to Indigenous Cultural Sites in Shutesbury.pdf](https://shutesbury.org/sites/default/files/offices_committees/historical/Introduction%20to%20Indigenous%20Cultural%20Sites%20in%20Shutesbury.pdf)).

In April 2021, the Historical Commission learned that ASD and the landowner Cowls, Inc. plan to authorize a stone landscape survey with Ceremonial Landscapes Research, LLC (CLR) and the Tribal Historic Preservation Office of the Wampanoag Tribe of Gay Head (Aquinnah) (WTGHA THPO). CLR is a research team with many years of experience surveying and mapping Ceremonial Stone Landscapes for Tribes. The WTGHA is a federally recognized Tribe with historical, cultural, and kinship ties to this area. Bettina Washington, the WTGHA THPO, has been a national leader in the preservation of Ceremonial Stone Landscapes in the Northeast. We further understand that project notifications have been sent to a number of other federally recognized and state-recognized Tribal governments. **The Historical Commission commends ASD and the landowner for seeking the guidance of these experts. We look forward to reviewing the results of these proposed investigations.**

This report includes comments based upon available data collected about the project area. These comments include a sampling of features that require follow-up investigations. Since no reports of comprehensive surveys or consultation with Tribal Historic Preservation Officers have been presented to date, the Shutesbury Historical Commission cannot comment on the sufficiency of ASD's final efforts, nor can the Historical Commission determine whether the reviewed site contains Traditional Cultural Properties without Tribal input. The Commission expects to provide additional feedback and recommendations once all necessary evaluations have been completed by ASD.

Data Reviewed

The Historical Commission relied on the following sources of information for this report:

1. Site description of topography, hydrology, evidence of settlement/logging, photographic data and LIDAR Data (if any available).
2. MHC Project Notifications, received 6/21/21
3. ASD Abutters Meetings PowerPoint Presentations, April, 2021
4. MHC Correspondence to AMP Solar Development, Inc.
5. MHC Reconnaissance Survey of Shutesbury, 1983
6. Massachusetts Cultural Resource Information System (MACRIS)
7. Consultations with local researchers
8. Literature Review
 - a. *Introduction to Indigenous Cultural Sites in Shutesbury, Massachusetts*, SHC, March 2021
 - b. *Historical Preservation and Solar Development in Shutesbury, Massachusetts*, SHC, March 2021
 - c. Historic Maps, Town of Shutesbury Website

Site Description

The PNF describes the site as undeveloped woodland, including approximately 25 acres of a 296-acre parcel. The site, which is off of Leverett Road, is bounded by Roaring Brook and its associated tributaries and wetlands to the north, east, and west. See Appendix B for the most recent ANRAD Wetlands Delineation Map.² The section of Leverett Road that abuts this parcel is part of the original Lancaster Post Road, for which the town was originally named Roadtown, and is an area of concentrated early Euroamerican settlement. Figure 1 is a slide excerpted from a recent ASD abutter presentation showing the project boundaries. Figure 2 shows abutting parcels with associated wetlands/steams and surveyed historic properties documented by the Massachusetts GIS Oliver System. Blue circles on this map indicate historic sites that have been inventoried by the MHC.

Leverett West Project Details

- **Location:** Parcel ID ZF-15; Lot size 11 acres
- **System Size:** 4 MW Solar + Battery Storage
- **1st Year Est. Production:** 4,880 MWh
= 5,500 100w light bulbs all year
- **Location:** 0 Leverett Road,
Shutesbury, MA 01072
- **End of Life:** Money set aside for system decommissioning at end of life

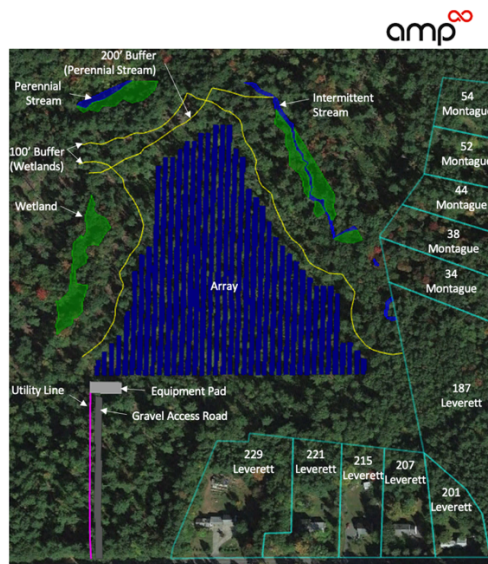


Figure 1. ASD Leverett West Project

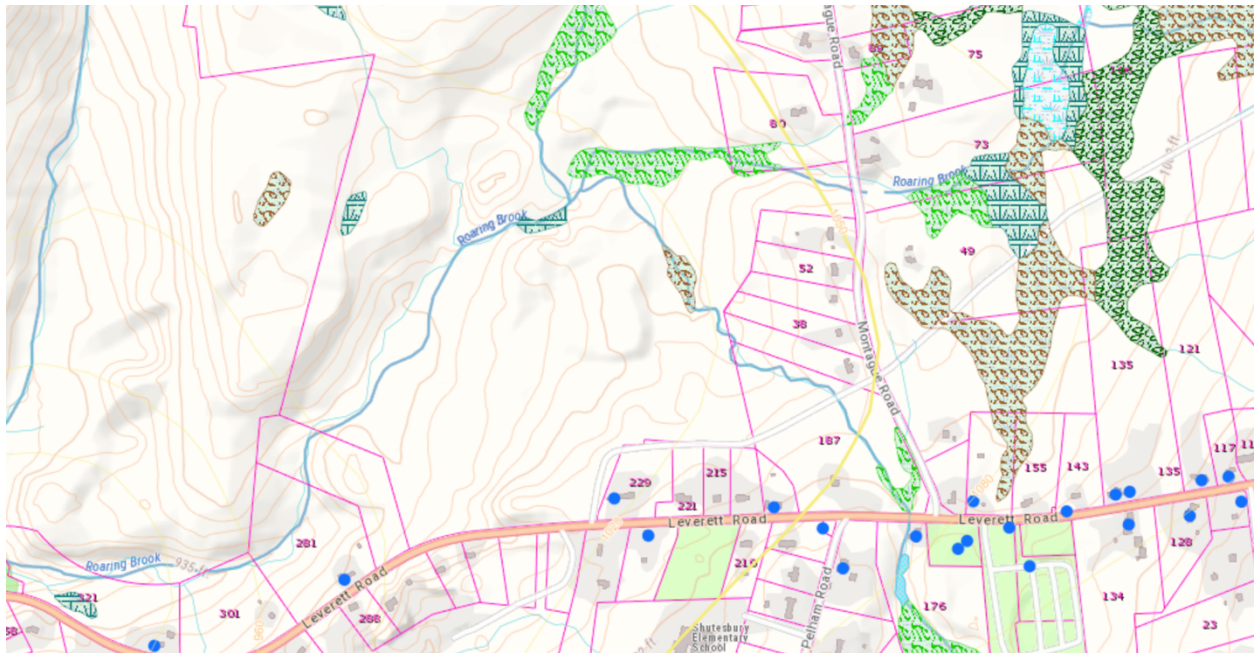


Figure 2. Parcel ZF-15 with Associated Historic Properties and Wetlands

(Source: Massachusetts GIS Mapping System)³

Note: Wetland delineations on this map are not as accurate as the ANRAD delineations in Appendix 1

Euroamerican Historical Resource Areas: The PNF lists 24 historic properties in the vicinity which are listed in the MACRIS database, but the applicants indicate the site contains no historic properties. *Based upon the data gleaned from the MHC survey reports, this statement may be incorrect.* Appendix C includes a recent letter to ASD from MHC regarding this property. MHC survey reports indicate the following historic properties were associated with agricultural and industrial land use that may have included the ZF-15 parcel. As these various reports note, many historical structures, such as early 18th and 19th century homes, barns, and mills, are no longer standing and their sites have not been systematically inventoried. Properties below are listed by street address and assessor parcel ID numbers.

176 Leverett Road (P-30): The current property on this 6.63-acre site is part of a much larger property dating back to the 18th century. The house, built in 1820, is referred to as the Peter Lamb-Nathaniel Macomber House. A stream on this property crosses Leverett Road and connects to Roaring Brook on Parcel ZF-15. A 1781 deed mentions a bridge just north of this property. In the early 1780s, it was owned by Josiah Marshal, who is listed in 1783 property valuations as the owner of a barn and 108 acres of land. Records suggest the property was used as a mill site since it straddled both sides of the road and included the stream. In 1797, the property was sold to Asa Todd and to Thaddeus Raymond, who owned other property on Montague Road (house not extant). Nathaniel Macomber purchased the property in 1799. A dam along the stream created a pond and site for a mill that was used in the early-to-mid-19th century for manufacturing chair parts. The locations of these structures and buildings have not been mapped.

201 Leverett Road (F-12): This house was built possibly as early as 1820 or even earlier. Records from 1805 show the property was a farm, with the presence of a barn that is no longer on

any maps. MHC surveys show this property was associated with farming and manufacturing in the early 19th century.

226 Leverett Road (T-43): The Nathan Paull House was built circa 1854. The Paul/Paull family purchased a large farm property, more than 100 acres, that straddled both sides of the road from the Smith family, 18th -century residents.

229 Leverett Road (ZF-7): Building is known as the Walter Tenney House. This property was part of a large farm extending on both sides of Leverett Road owned by the Paul/Paull family after 1814 (see above). The lot was subdivided in 1848 when Levi Johnson built the house at 226 Leverett Road. After passing through several owners, the property was purchased in 1897 by Walter H. and Alice A. Tenney. The farm extended beyond the boundaries of the current residential lots along Leverett Road. It was later the site of a wheelwright and blacksmith shop which no longer stand.

281 Leverett Road (F-5): The existing house on the property was built in 1849 by Joseph Richardson, Jr. His father, Joseph Richardson, Sr., settled in Shutesbury in the late 18th century and operated a sawmill behind the current house on Roaring Brook, sometimes referred to in historical records as Mill Brook. The sawmill and house were located west of the house. In 1840, a gristmill belonging to Joseph Jr. was assessed. In 1848, Joseph Jr. was assessed for owning 35 acres, and he acquired another 10 adjoining acres in 1849.

321 Leverett Road (F-4): The first sawmill in town was built near here on Roaring Brook in 1737. The lot on which the house stands was associated with land across the road from the eighteenth century until the later twentieth century. The house lot slopes towards the north, where a millpond on Roaring Brook, now drained, supplied water to sawmills (not extant), said to be the town's oldest. A stone wall bounds the property on the east. The existing house was built in the 1790s or early 1800's. Joseph Richardson bought property nearby in 1784. He is reported to have been an insurgent in Shay's Rebellion. The property was sold to Richardson's sons, Zacheus and Samuel, in 1796. Nearby industrial sites included a tannery, gristmill, blacksmith's shop, and wheelwright.

1858 H.F. Walling Map-Shutesbury Segment: A reproduction of this map is available on the Town website.⁴ The map shows multiple structures along Roaring Brook between Leverett and Montague Roads, presumably indicating locations of millworks and ponds.

1871 Beers Atlas-Shutesbury: A reproduction of this map is available on the Town website.⁵ This map details a possible mill site owned by a T. Pratt along Roaring Brook, near Montague Road. T. Pratt was presumably a descendent of Ephraim Pratt (1704-1804) and Martha Wheelock (1698-1804), two early Shutesbury settlers from Eastern Massachusetts.

Parcel ZF-15 abuts an area of concentrated 18th and early 19th century settlement with associated farming and industrial activities. These sites are associated with Shutesbury's earliest Euroamerican history and founders. While several homesteads survive along Leverett Road, some associated stone walls, farm and mill buildings and structures undoubtedly existed within the ZF-15 parcel and have not been inventoried. It is expected that some cellar holes of early homes may remain along Montague Road, near the junction with Leverett Road.

Pre-European Contact Indigenous Cultural Resources: The proximity of this tract to Roaring Brook and the Indigenous pathway that served as the foundation for the Lancaster Post Road makes it a likely location for hunting, fishing, and possibly horticultural activities. Sandy deposits in the

upland portions of ZF-15 and its adjacent tracts have physical characteristics commonly found at Indigenous upland burial sites. A general discussion of Indigenous cultural sites in Shutesbury can be found in the SHC's publications.

Summary and Recommendations

1. Available historic records and field data suggest evidence of Indigenous and Euroamerican sites in or near the ASD project area.
2. The Historical Commission concurs with the Massachusetts Historical Commission and State Archaeologist that there is a need for further investigations due to the scope of the proposed project.
3. The proposed site borders already-surveyed historic properties that have been deemed eligible for the National Register of Historic Places. Viewed within this context, historic structures related to these properties may survive in the form of cellar foundations, walls, millworks, wells, etc. Some portions of this tract may be eligible for inclusion in Historic Districts on National Register. A thorough investigation is recommended to discern whether the forested tract contains additional structures related to these inventoried properties. Identified structures should be mapped and photographed. The Historical Commission recommends that the applicants share findings with the Planning Board, the Historical Commission, and the MHC. The Historical Commission recommends that historical structures be avoided during construction.
4. In February 2021, the Historical Commission received feedback from Bettina Washington, WTGHA THPO, about the likelihood of Indigenous stone structures on forested tracts in Shutesbury. Ms. Washington advised the Commission that her Tribe wishes to conduct its own investigations of the solar sites. The landowner for the solar projects has informed the Historical Commission of the intent to work with Ceremonial Landscapes Research, LLC and the WTHGA THPO for further investigations. The Historical Commission commends ASD and the landowner for seeking out Ms. Washington's input on this tract.
5. The Historical Commission recommends that ASD provide documentation to the Planning Board and the Historical Commission regarding any consultation with the Tribal Historic Preservation Officer(s) about Traditional Cultural Properties. As a minimum, we recommend the following documentation: copies of project notifications, notices to Tribal representatives, written responses from Tribal representatives, and a timeline of consultation steps and outcomes. The Historical Commission recommends that identified archaeological sites and Traditional Cultural Properties be avoided during construction.
6. The Historical Commission recommends that the applicants comply with all requirements for Section 106 of the National Historic Preservation Act. In communicating with any federal agencies about possible Section 106 processes, we recommend the applicants include this report, recent MHC correspondence, and the results of any investigations that may be conducted. The Commission recommends the involved federal agencies receive information about sites that may be eligible for the National Register of Historic Places.

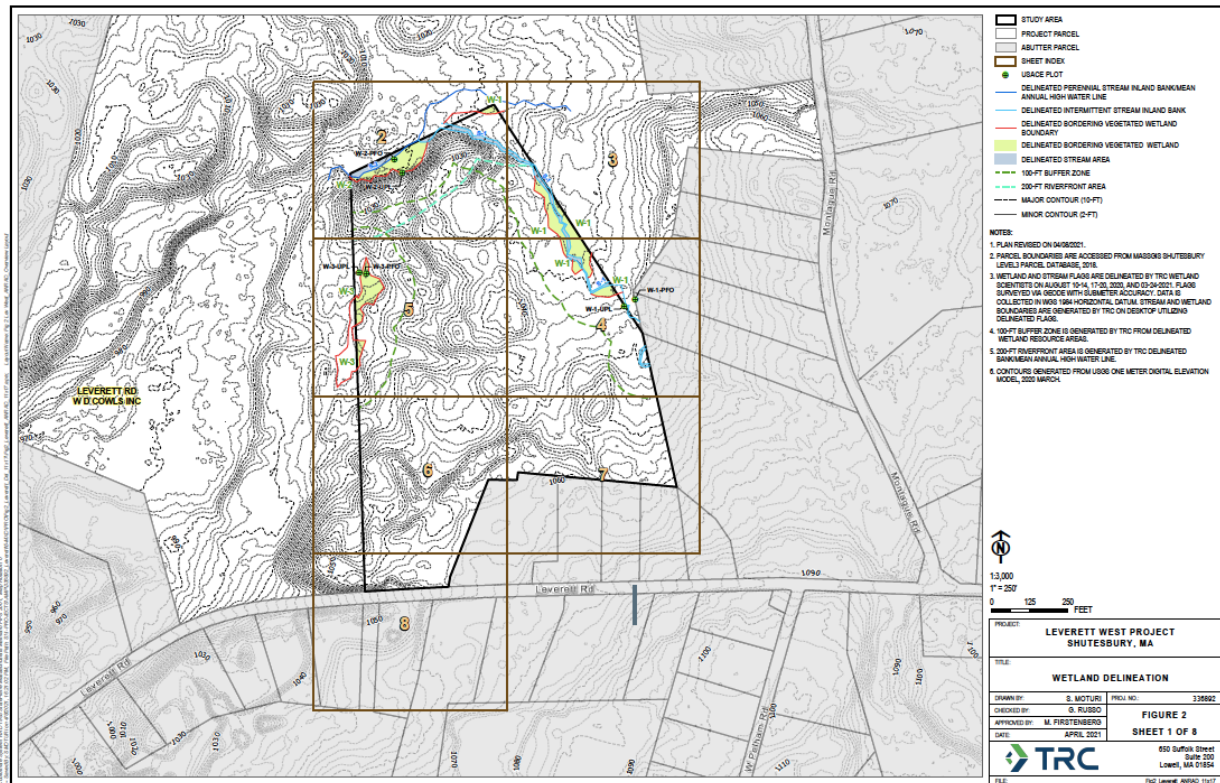
7. The applicants identify U.S. EPA National Pollutant Discharge Elimination System (NPDES) Permits as the only federal undertakings. The Historical Commission recommends that the applicants submit to the Planning Board and the Historical Commission documentation demonstrating that it has completed the US EPA screening process for Section 106.
8. Ground disturbance within wetlands buffer zones and wetlands/stream crossings may fall under the jurisdiction of the U.S. Army Corps of Engineers (USACE), per the Clean Water Act, and require a Massachusetts General Permit. According to the USACE, "In cases where the Corps determines that the activity may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places (NRHP), the activity is not authorized, until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied." The Historical Commission recommends that the applicants provide the Planning Board and Historical Commission with documentation of a completed USACE Preconstruction Notification (PCN) application if the project requires work within or near wetlands resource areas.
9. In a 6/11/21 letter to ASD, the MHC informed the applicant that, due to the cumulative impacts generated by this project, an archaeological reconnaissance survey was required as well as consultation with the Massachusetts Environmental Policy Act (MEPA) office to determine whether MEPA review was required. The Historical Commission recommends that the applicants provide the Planning Board and Historical Commission with the results of this archaeological survey and documentation of its consultation with MEPA officials.
10. **Archaeology and the study of Traditional Cultural Properties are not synonymous.** Should the Planning Board decide to retain third-party reviewers using its MGL Chapter 44 Section 53G authority, the Commission recommends that the Planning Board retain an archaeologist knowledgeable about New England archaeology and Section 106 process. In addition, if Traditional Cultural Properties are identified on these sites, the Commission recommends that the Planning Board retain a Ceremonial Stone Landscape expert, preferably Indigenous, to review the data and mitigation plan. The Historical Commission is happy to recommend suitable consultants.
11. The Historical Commission recommends that any data or reports about archaeological sites or Traditional Cultural Properties remain non-public in a manner consistent with the policies of the Massachusetts Historical Commission and the Shutesbury Historical Commission.
12. Once all necessary investigations have been completed, the Commission recommends the following:
 - a. Submit all reports and documentation to the Planning Board and Historical Commission.
 - b. Hold joint site visits with the Planning Board and Historical Commission.
 - c. Review results of investigations and mitigation plans with Planning Board and Historical Commission. If any investigations reveal sensitive archaeological or Indigenous cultural sites, the reports and data should be reviewed in Executive Session and the reports maintained as non-public.

13. Upon reviewing the results of further investigations, the Commission may provide further recommendations.

Appendix A Project Site Identifiers

Assessor Parcel ID	Project Name	MHC ID Number
ZF-15	ASD Leverett Road West	#RC.69745
ZD-37	ASD Montague Road/Montague Road South Annex	#RC.69746/#RC.69747
ZG-2	ASD Pratt Corner Road East	#RC.69688
ZU-2	ASD Pratt Corner Road South	#RC.69744
ZW-6	ASD Pratt Corner Road West	#RC.69689

Appendix B ANRAD Wetlands Map⁶



Leverett West (ZF-15)

Appendix C MHC Correspondence



The Commonwealth of Massachusetts
William Francis Galvin, Secretary of the Commonwealth
Massachusetts Historical Commission

May 20, 2021

Lee Morrison
AMP Solar Development
1550 Wewatta Street, Floor 4 C/O
Denver, CO 80202

RE: AMP Solar Development, ASD Leverett West MA Solar LLC, Leverett Road (Parcel ZF-15), Shutesbury, MA.
MHC #RC.69745.

Dear Mr. Morrison:

Staff of the Massachusetts Historical Commission (MHC) have reviewed the Project Notification Form (PNF) submitted for the project referenced above and the MHC's files.

As you know, the project referenced above is one of six solar development projects (Parcel ZW-6, RC.69689; Parcel ZG-2, RC.69688; Parcel ZU-2, RC.69744; Parcel ZD-37 North of Carver Road, RC.69646; and Parcel ZD-37 South, RC.69747) proposed by AMP Solar Development in Shutesbury. Because of the cumulative impacts generated by these projects, they may require review under the Massachusetts Environmental Policy Act (MEPA). The MHC recommends that project planners consult with staff at the MEPA office to ascertain whether or not MEPA review is required. The PNF also indicates that the project requires a NPDES General Construction Permit from the US Environmental Protection Agency (EPA).

Review of the Inventory of Historic and Archaeological Assets of the Commonwealth indicates that the Walter Tenney house (MHC #SHU.44) is in proximity to the project area north of Leverett Road. Historical maps show a 19th century sawmill located along Roaring Brook within and/or adjacent to the project parcel. Portions of the project area are archaeologically sensitive for having small, special purpose ancient sites and for historical period sites associated with water-powered industry along Roaring Brook. Evidence of agricultural and other types of early industrial activities may also be expected. Areas that are generally flat, well-drained, and close to fresh water and wetlands may have archaeological deposits and features.

When scaled project plans are developed showing existing and proposed conditions, including access routes and construction staging areas, please provide the information to the MHC for review and comment. Plans should be sized to be no larger than 11" x 17".

These comments are offered to assist in compliance with Section 106 of the National Historic Preservation Act of 1966 as amended (36 CFR 800). Please contact me if you have any questions or require any information.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jonathan K. Patton'.

Jonathan K. Patton
Archaeologist/Preservation Planner
Massachusetts Historical Commission

xc:
Jeff Brandt, TRC Environmental Corporation
Page Czepiga, EEA, Attn: MEPA Unit
Shutesbury Historical Commission

220 Morrissey Boulevard, Boston, Massachusetts 02125
(617) 727-8470 • Fax: (617) 727-5128
www.sec.state.ma.us/mhc



The Commonwealth of Massachusetts

June 11, 2021 William Francis Galvin, Secretary of the Commonwealth
Massachusetts Historical Commission

Lee Morrison
AMP Solar Development
1550 Wewatta Street, Floor 4 C/O
Denver, CO 80202

Rec'd
6/21/21
md

RE: AMP Solar Development in Amherst, Shutesbury, and Pelham, MA:
ASD Shutesbury MA Solar LLC, 0 Shutesbury Road, Parcels 9B-11, 9B-12, and 9D-27, Amherst, MA.
MHC #RC.69691;
ASD Pratt Corner East Solar LLC, 0 Pratt Corner Road, Parcel ZW-6, Shutesbury, MHC #RC.69689;
ASD Pratt Corner East Solar LLC, 0 Pratt Corner Road, Parcel ZG-2, Shutesbury, MHC #RC.69688;
ASD Leverett West MA Solar LLC, Leverett Road, Parcel ZF-15, Shutesbury, MHC #RC.69745;
ASD Pratt Corner Road South MA Solar LLC, Pratt Corner Road, Parcel ZU-2, Shutesbury, MHC
#RC.69644;
ASD Montague MA Solar LLC, South Annex, South of Carver Road, Parcel ZD-37 South, Shutesbury,
MHC #RC.69747;
ASD Montague Road MA Solar LLC, Montague Road and North of Carver Road, Parcel ZD-37 North,
Shutesbury, MHC # RC.69746; and
ASD Tower MA Solar LLC, off Tower Road, Parcel 41-1, Pelham, MHC #RC.69690.

Dear Mr. Morrison:

Staff of the Massachusetts Historical Commission (MHC) have reviewed Project Notification Forms (PNFs) submitted for the projects referenced above. The MHC has received scaled project plans submitted by TRC for the solar project proposed in Amherst (RC.69691).

Because of the cumulative impacts generated by these projects, they may require review under the Massachusetts Environmental Policy Act (MEPA). The MHC recommends that project planners consult with staff at the MEPA office to ascertain whether or not MEPA review is required. The PNFs also indicated that the projects require a NPDES General Construction Permit from the US Environmental Protection Agency (EPA).

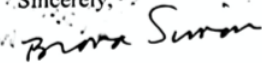
To assist in the comprehensive historic and archaeological resource identification efforts for the proposed solar projects, the MHC requests that an archaeological reconnaissance survey (950 CMR 70) be conducted for the solar projects referenced above in Amherst, Shutesbury, and Pelham. The purpose of the survey is primarily to develop archaeologically sensitivity assessments for each of the project impact areas, and to provide recommendations for intensive (locational) archaeological survey, if any, within archaeologically sensitive project impact areas.

The results of the survey will provide information, and recommendations for further intensive (locational) archaeological survey, if any, to assist in consultation to consider alternatives to avoid, minimize, or mitigate any adverse effects to significant historic and archaeological resources. A State Archaeologist's Permit (950 CMR 70.03) is required to be obtained for the investigations. The surveys should be conducted by a qualified professional archaeological team with experience in the Connecticut River Valley region of Massachusetts.

220 Morrissey Boulevard, Boston, Massachusetts 02125
(617) 727-8470 • Fax: (617) 727-5128
www.sec.state.ma.us/mhc

These comments are offered to assist in compliance with Section 106 of the National Historic Preservation Act of 1966 as amended (36 CFR 800) and M.G.L. c. 9, ss. 26-27C (950 CMR 70-71). If you have any questions or require any information, please contact Jonathan K. Patton at this office.

Sincerely,



Brona Simon
State Historic Preservation Officer
Executive Director
State Archaeologist
Massachusetts Historical Commission

cc: Deborah Szazo, Acting Regional Administrator, EPA Region 1, Attn: Thelma Murphy
Mike Stover, EPA, Region 1
Amherst Historical Commission
Shutesbury Historical Commission
Pelham Historical Commission
Jeff Brandt, TRC Environmental Corporation

End Notes

¹ See <https://shutesbury.org/historical-commission>

² Abbreviated Notice of Resource Area Determination (ANRAD): The ANRAD process is used to determine the wetland boundaries, the riverfront area or other resource areas on a parcel of land. Once an ANRAD is filed with the Shutesbury Conservation Commission (SCC) and the Massachusetts Department of Environmental Protection (DEP), the SCC must hold a Public Hearing to review the wetlands delineations. For large projects, such as the ASD project, the SCC used the services of a wetlands consultant at the expense of the applicants to confirm the wetlands delineations in the field. After the SCC has received all of the information which it needs to make a decision, the SCC issues an Order of Resource Area Determination (ORAD) which establishes the wetlands delineations for a 3-year period. ANRAD documents for the ASD projects can be found online on the SCC's town homepage.

³ http://maps.massgis.state.ma.us/map_ol/oliver.php

⁴ https://www.shutesbury.org/sites/default/files/offices_committees/town_clerk/misc/1858 H.F. Walling Map of Franklin County - Shutesbury segment.pdf .]

⁵ https://www.shutesbury.org/sites/default/files/offices_committees/town_clerk/misc/1871 Beers Atlas - Shutesbury.pdf

⁶ See <https://shutesbury.org/solar-ANRADs>