

CRBIB # 001909
376/134735

HISTORIC STRUCTURES REPORT

PART I

SPRING HOUSE - BUILDING #17

HOPEWELL VILLAGE NATIONAL HISTORIC SITE

April 23, 1964

BY

BENJAMIN J. ZERBEY
SUPERINTENDENT

Historic Structures Report

HOPEWELL VILLAGE

<u>I</u>	<u>SPRING HOUSE</u>	Area	17- <u>BBB</u>
Part	Structure	No.-Class	

PCD-D-118-1 - \$18,600

Project: Incl. in 1965 F.Y. \$200,000 lump sum for Historic Structures
Nature of, funds & f.y. programmed

Sections:

Admin.

Called for _____
Rec'd. 4/24/64 - resubmitted 6/5/64

His.

Called for _____
Rec'd. 4/24/64

Architecture

Called for 5/8/64
Rec'd. 5/15/64

Called for _____
Rec'd. _____

Called for _____
Rec'd. _____

Review:

distributed	Park	<u>5/20/64</u>
"	EODC	<u>5/6/64</u> ; <u>6/30/64</u> (Admin.)
"	WASO	<u>10/26/64</u>
"	Region	<u>10/14/64</u>

Approved:

Park	<u>5/13/64</u> (Hist.); <u>10/12/64</u> (Admin.)
EODC	
WASO	<u>12/2/64</u>
Region	

(Note: Cross-line accomplished items, with dates when done, received, etc. Crossline whole sheet, when report is over.)



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
WASHINGTON, D.C. 20240

IN REPLY REFER TO:

H30-DCA

DEC 21 1964

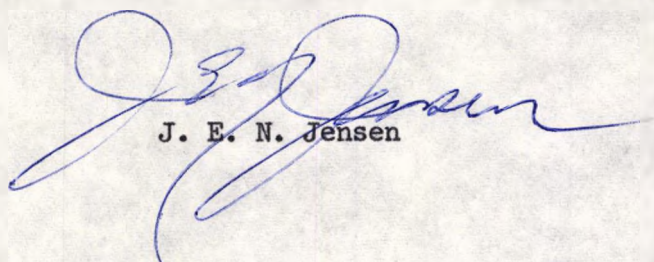
Northeast Region		Initial and Date
<input type="checkbox"/>	Reg. Director	
<input type="checkbox"/>	Asst. to RD (FA)	
<input checked="" type="checkbox"/>	Asst. to RD (Dev. L)	12/22/64
<input type="checkbox"/>	Resource Studies Adv.	
<input type="checkbox"/>	Asst. Reg. Dir. Adm.	
<input type="checkbox"/>	Finance & Prop.	
<input type="checkbox"/>	Personnel	
<input type="checkbox"/>	Programs	
<input type="checkbox"/>	Asst. Reg. Dir.-Oper.	
<input type="checkbox"/>	Inter. & VS	
<input type="checkbox"/>	Land & Water	
<input type="checkbox"/>	Maintenance	
<input type="checkbox"/>	Master Plan Coord.	
<input type="checkbox"/>	Rec. Mgmt. & WP	
<input type="checkbox"/>	Asst. Reg. Dir.-Op. Act	
<input type="checkbox"/>	Fed'l Agency Assis.	
<input type="checkbox"/>	NPS Studies	
<input type="checkbox"/>	State Assistance	

Memorandum

To: Regional Director, Northeast
 From: Assistant Director, Design and Construction
 Subject: Historic Structures Report, Part I, Spring House, Hopewell Village

The interested divisions have reviewed the subject report and concur with the recommendation stated in your October 26 memorandum. I have approved the report this date.

*Posted
Jmf*


J. E. N. Jensen

cc:
Chief, EODC (2)
Supt., Hopewell

OCT 26 1964

*Posted
Duf*

H30-21A
MER

*Nelly
10/23
J. Potts
10/*

Memorandum

To: Director
From: Regional Director, Northeast Region
**Subject: Historic Structures Report, Part I, Spring House
(Building #17), BEB, Hopewell Village NHS**

The subject report is recommended to your approval.

By copy of this memorandum, we are suggesting to Superintendent Benjamin Zarbey, Hopewell Village, that an Archeological Data Section be included in the Part II report and the FCP be revised to provide funds to the amount of \$400 for an archeological investigation in and about the Spring House for the reasons outlined on Page 4 of the Historical Data Section.

(Sgd.) Ronald F. Lee

Enclosure

cc:
Chief, EODC
Superintendent, Hopewell Village
Programs (Attn: Gene Monteleone)

MHNelligan/gmf
General ✓
Daily
Area

UNITED STATES GOVERNMENT

Memorandum

TO : M. H. Nelligan, Resource Studies
Advisor

DATE: 10/22/64

FROM : B. J. Zerby, Hopewell

SUBJECT: Spring House Archeology

The attached is Abel's reference to work done at the Spring house. In addition, he supervised the removal of the concrete floor on the interior. A layer of furnace slag was found under the concrete.

If archeology is necessary on the west exterior wall, some of the construction funds could be re-programmed for this purpose.

Regards, Ben

Adjacent Buildings

Several of the lesser structures near the Ironmaster's house should be considered a part of it for they were more or less essential to its functioning as a home -- the springhouse, smokehouse, greenhouse, privies, icehouse and manurehouse. Aside from two of the privies, little or no investigation was made at the sites of these structures.

The Springhouse

This is a low stone building with a shingle roof. It was built in two sections, with the older section on the north. It was noted earlier that Company records of a payment Dec. 22, 1806 for building a springhouse somewhere on Furnace lands and this may be the one. If so, the record probably refers only to the north or original part of the building.

A complete investigation of the springhouse was not made. However, there has long been an interest in whether it may once have been roofed with red clay tiles or "Tutch tiles", for these were rather common on smaller outbuildings. Had they ever been used here, broken pieces should be found along both sides of the building below the eaves. A trench was dug almost the full length of the east side. It was 3' wide and was carried down to the ledge near the base of the foundation. The trench was

abandoned near the northwest corner of the building when it filled with water. About a bushel of sherds of salt and lead glazed stoneware and some assorted pieces of dinnerware were found, but not a single sherd from a roof tile, so the structure must always have had a shingle or shake roof.

The greatest concentration of sherds was at the southeast corner of the building where there was a considerable dump of broken earthenware. Only those sherds along the east side were removed and placed in the Park collections. A considerable quantity must still remain south and southeast of the building.

The Smokehouse

Furnace records show payment to "Evans & Sands for 79 perches Mason work at Snake House Nov. 10, 1828."⁶³ This building is no longer standing and no effort was made during the current series of excavations to look for it.

A small wooden structure, 8 x 10', stands behind (east of) the Ironmaster's house. This building is the one which is now called the smokehouse, and from the amount of soot on the interior and the number of roset hooks driven into its walls and roof, this must have been its function.

63. Hopewell Furnace records, SMA, p. 33b.

BBB

HISTORIC STRUCTURES REPORT, PART I, SPRING HOUSE - BUILDING #17, HOPEWELL VILLAGE NHS

REVIEW SHEET -

1. Mr. Lukens

OK. - Looks like a good report and a worthwhile project. Recommend approval. JBL 10/19

2. Mr. Golub

OK - rly 10/19

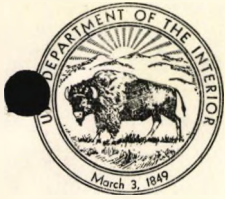
3. Mr. Barnes

ok BB

4. Dr. Nelligan

Note: Ambiguous instructions for report. The recommendation is to include Sec - not mentioned in Admin. Sec. P.C.P.

Recommend approval, w/ proviso that P.C.P. contain archaeological data Sec. - where P.C.P. by order of Sec for archaeology.



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Eastern Office, Design and Construction
Philadelphia, Pa. - 19106

IN REPLY REFER TO:
H30-H

October 12, 1964

Northeast Region		Date
	Reg. Director	
	Asst. to RD (PA)	
	Asst. to RD (Dev. I)	
	Resource Studies Adv.	11/10/14
	Asst. Reg. Dir. Adm.	
	Finance & Prop.	
	Personnel	
	Programs	
	Asst. Reg. Dir. Oper.	
	Interp. & VS	
	Land & Water	
	Maintenance	
	Master Plan Coord.	
	Res. Manage. & VP	
	Asst. Reg. Dir. -Co-Act	
	Fed'l Agency Assis.	
	NPS Studies	
	State Assistance	

Memorandum

To: Regional Director, Northeast Region
From: Chief Architect, EODC
Subject: Historic Structures Report, Part I, Spring House, Hopewell Village

The Administrative Data Section of the subject report has been reviewed by the interested personnel of this office and was recommended for approval by Chief Hall this date.

The Part I, Historical Data Section and the Architectural Data Section were recommended for approval by Acting Chief H. Reese Smith, May 13, 1964.

Robert E. Smith

By: Lawrence B. Coryell
Lawrence B. Coryell, Acting

cc:
Assistant Director, Design and Construction
Superintendent, Hopewell

Copy C. True Walter-ft

*Posted
Smf*

JUN 30 1964

H30-321AH

*Nutter
6/22
Posted
Gmf*

Memorandum

To: Chief, ECDC
From: Regional Director, Northeast Region
Subject: Historic Structures Report, Part I, Spring House (HBB),
Hopewell Village

Enclosed is a copy of the Administrative Data Section of the subject report. Please combine it with the Historical and Architectural Data Sections you have and forward your comments on the whole report at your earliest convenience.

(Sgd.) Ronald F. Lee

Enclosure

cc:
Supt., Hopewell Village

Mr. Whitcraft

GMFraney/MHN/bg
General
Daily
Area



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HOPEWELL VILLAGE NATIONAL HISTORIC SITE
R. D. #1
ELVERSON, PENNSYLVANIA 19520

IN REPLY REFER TO:

H30-RHA

June 2, 1964

Northeast Region		Initial and Date
Reg. Director		
Asst. to RD (PA)		
Asst. to RD (Dev. L)		
Resource Studies Adv.		
Asst. Dir. Adm.		
Finance & Prop.		
Personnel		
Programs		
Asst. Reg. Dir.-Oper.		
Interp. & VS		
Land & Water		
Maintenance		
Master Plan Coord.		
Res. Manage. & VP		
Asst. Reg. Dir.-Co-Act		
Fed'l Agency Assis.		
NPS Studies		
State Assistance		

Memorandum

To: Regional Director, Northeast Region

From: Superintendent, Hopewell Village N.H.S.

Subject: Historic Structures Report, Part I, Spring House, Building #17, Hopewell Village

We are resubmitting the Administrative Data Section as suggested in your memorandum of May 20. A minor change was made in the fund estimate and the P.C.P. has been revised to reflect the change.

Benjamin J. Zerby
Benjamin J. Zerby
Superintendent

*Posted
Gmf*

Enclosure

cc:
Chief, E.O.D.C.

H30-RHA

June 2, 1964

Memorandum

To: Regional Director, Northeast Region

From: Superintendent, Hopewell Village N.H.S.

Subject: Historic Structures Report, Part I, Spring House,
Building #17, Hopewell Village

We are resubmitting the Administrative Data Section as suggested in your memorandum of May 20. A minor change was made in the fund estimate and the P.C.P. has been revised to reflect the change.

/s/ Benjamin J. Zerby
Benjamin J. Zerby
Superintendent

Enclosure

cc:
Chief, E.O.D.C.

H30-RHA

MAY 20 1964

*Posted
gmf*

Memorandum

To: Superintendent, Hopewell Village
From: Regional Director, Northeast Region
Subject: Historic Structures Report, Part I, Spring House,
Building #17, Hopewell Village

*Nelligan
5/20*

Enclosed for your review is a copy of the Architectural Data Section of the subject report prepared by the EODC.

In case you should wish to revise the Administrative Data Section in the light of this section of the report, we are also enclosing the four copies of the Administrative Data Section you submitted earlier. If you do not wish to revise this section, please return it to this office, with copies of the PCP inserted.

(Sgd.) Ronald F. Lee

Enclosures

cc:
Mr. Whitcraft

MHNelligan/gmf
General
Daily
Area



IN REPLY REFER TO:
H30-H

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Eastern Office, Design and Construction
Philadelphia, Pa. - 19106

May 13, 1964

Northeast Region		Initial and Date
Reg. Director		
Asst. to RD (PA)		
Asst. to [Signature]		
Resource Studies Adv.		
Asst. Reg. Dir. Adm.		
Finance & Prop.		
Personnel		
Programs		
Asst. Reg. Dir. - Oper.		
Interp. & VS		
Land & Water		
Maintenance		
Master Plan Coord.		
Res. Mgmt. & VP		
Asst. Reg. Dir. - Co-act		
Fed'l Agency Affairs		
NPS Studies		
State Assistance		

Memorandum

To: Regional Director, Northeast Region

From: Chief Architect, EODC

Subject: **Historic Structures Report, Part I, Architectural Data**
Section, Spring House and Wash House, Hopewell Village

Enclosed for your review and distribution are three copies of the subject report which was recommended by Acting Chief H. Reese Smith this date. A copy has been retained by this office.

Also recommended for approval is the Part I, Historical Data Section, prepared by Superintendent Benjamin J. Zerbey.

Robert E. Smith
Robert E. Smith

Enclosure

cc:
Assistant Director, Design and Construction
Superintendent, Hopewell Village

H30-31A

MAY 6 1964

Memorandum

To: Chief, SEDC

From: *Acting* Regional Director, Northeast Region

Subject: Historic Structures Report, Part I, Spring House,
Building #17, Hopewell Village NHS

Enclosed is a copy of the Historical Data Section of the Historic Structures Report, Part I, Spring House, Building #17, Hopewell Village NHS.

Please prepare the Architectural Data Section and forward three copies to this office as soon as possible, together with your comments on the Historical Data Section.

George A. Palmer

Enclosure

cc:
Superintendent, Hopewell Village
Mr. Whitcraft
Programs

GMFrane
General
Daily
Area

Nelly
3/6
Posted
Gmf



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

HOPEWELL VILLAGE NATIONAL HISTORIC SITE
R. D. #1
ELVERSON, PENNSYLVANIA

IN REPLY REFER TO:

H-30

April 23, 1964

Northeast Region		Initial and Date
	Reg. Director	
/	Asst. to R. (PA)	
/	Asst. to R. (Dev. I.)	
/	Resource Studies Adv.	
	Asst. Reg. Dir. Adm.	
	Finance & Prop.	
	Personnel	
	Programs	
	Asst. Reg. Dir. Oper.	
	Interp. & VS	
	Land & Water	
	Maintenance	
	Master Plan Coord.	
	Res. Manage. & VP	
	Asst. Reg. Dir. Coord.	
	Fed'l Agency Res. S.	
	NPS Studies	
	State Res. S.	

Memorandum

To: Regional Director, Northeast Region
From: Superintendent, Hopewell Village N.H.S.
Subject: Historic Structures Report, Part I, Spring House
Building #17, Hopewell Village N.H.S.

Enclosed are the Administrative and Historical Data Sections of the Historic Structures Report, Part I, Spring House, Building #17, Hopewell Village N.H.S.

*Posted
Gmf*

Benjamin J. Zerbey
Benjamin J. Zerbey
Superintendent

Enclosures 4

503

Dr. Neligan - This the one I was talking to you - We have recommended to WASO for inclusion in the 1965 f.y. \$200,000 lump sum program for Hist. Structures.

Pete 4/30

H-30

April 23, 1964

Memorandum

To: Regional Director, Northeast Region

From: Superintendent, Hopewell Village N.H.S.

Subject: Historic Structures Report, Part I, Spring House
Building #17, Hopewell Village N.H.S.

Enclosed are the Administrative and Historical Data Sections of the Historic Structures Report, Part I, Spring House, Building #17, Hopewell Village N.H.S.

/s/ Benjamin J. Zerby
Benjamin J. Zerby
Superintendent

Enclosures 4

APPROVAL SHEET

Recommended: /s/ Benjamin J. Corboy Date 04/23/64
Superintendent

Recommended: Robert G. Hall Date 5/13/64; 11/12/64
Chief, EODC

Recommended: Ronald F. Lep Date 10/26/64
Regional Director

APPROVED: J. E. H. Jensen Date 12/21/64
Jensen Director Des - Const.

HISTORIC STRUCTURES REPORT

PART I

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Historical Data	1-6

HISTORIC STRUCTURES REPORT

ADMINISTRATIVE DATA

PART I

SPRING HOUSE - BUILDING #17

HISTORIC STRUCTURES REPORT

ADMINISTRATIVE DATA

PART I

SPRING HOUSE - BUILDING #17

The Spring and Wash House (Building #17) is an integral part of the historic scene at Hopewell Village. The building is classified BBB in the Historic Structures Inventory.

The Spring House played an important part in the story of this 19th Century Iron making community. It was the refrigerator, butcher shop, wash house, and abbatoir for the one hundred or more persons who lived here. Few early spring houses exist in this area where the spring has not dried up.

The building is presently included in the walking tour of Hopewell and its proposed use following restoration will be essentially the same. The concrete floor and constructed water entrapments should be replaced with wood and/or stone depending upon the results of architectural investigations. Many of the ceiling joists are in an unsound condition. Architectural investigation should show whether the cooling room of the building was

connected by a door to the wash house during the historic period. Some evidence tends to show that the cooling room was kept separated from the other rooms to prevent stealing of food. Historic furnishings in the form of crocks and other utensils will be required. An old nine or ten plate stove built into the north wall of the spring room should be removed, rust proofed and replaced. Additional furnishings will be necessary in the Wash House or Lard Kitchen such as kettles, meat hooks, and fireplace utensils. An amount for furnishings is included in the P.C.P.

Custody of the structure and its contents will be maintained by the uniformed personnel on duty in the village. Operating expenditure will not increase after restoration.

Preliminary Cost Estimate

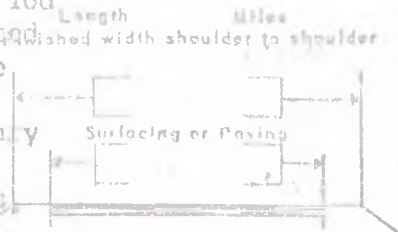
Removal and replacement of existing floors	\$4,000
Removal and replacement of ceiling joists and floor over ceiling	3,000
Replacement of existing window and door frames, lintel, and sash where required	3,000
Replacement of rotted and beetle infested roof supports	1,000

Repair and repointing of masonry	\$1,500
Architectural Investigation	2,500
Furnishings	1,000
P.S. and S. and Contingencies	2,600
	<hr/>
Total	\$18,600

PROJECT CONSTRUCTION PROPOSAL

1. Statement of requirements, proposed work and construction data, justification, etc. (Use additional sheets as necessary.)

The Spring-Wash House must be restored to the historic period of furnace operation. The 15' x 40' building is constructed of rubble masonry with hipped shingle roof. A large stone fireplace is built into the wall at the southwest corner. Major changes were made to this building in the 20th century which have altered its character greatly. Architectural investigation will be required to establish type of floors, floor level, window and door openings, and other details. Required work will include replacement of floor in all three rooms, replacement of ceiling joists and some rafters, window sash and doors, plus other work as determined by architectural investigation. Drainage must also be provided.



Restoration of this building is necessary to tell the story of water supply, perishable food storage, butchering, etc. in the historic furnace community.

2. Land Status (If Govt.-owned, what agency), Water Rights, Research, Etc.

Government-owned - National Park Service

No H.A.B.S. Drawings have been prepared for this structure.

PCP Data Prepared by (Name, Title & Date) Benjamin J. Zerbey 06/02/64 Superintendent and Norman M. Souder 06/02/64 Architect		4. Cross-reference PCP's to this Project: --- PCP numbers of previously completed portions: --- 4. Construction by: Day Labor <input checked="" type="checkbox"/> Contract <input type="checkbox"/> Work supervised by: Park <input type="checkbox"/> Reg. <input type="checkbox"/> Design Office <input checked="" type="checkbox"/>	6. CLASS C ESTIMATE Construction..... \$ 12,500 Plans, Surveys, & Supervision..... 1,840 Contingencies..... 760 SUB TOTAL 15,100 Exhibits, Audio-Visual Installations, etc..... 3,500 GRAND TOTAL \$ 18,600
7. DISTRIBUTION OF COPIES No. To		8. Recommended by, Park Office (Signature, title, date) <i>Benjamin J. Zerbey</i> Benjamin J. Zerbey, Superintendent 06/02/64 9. Approved by Regional Office (Signature, title, date) 10. Reviewed by D&C Field Office (Signature, Title, Date)	
11. Location within Area or Termini Village Area		12. Master Plan No. NHS=HV-3007	13. Bldg. or Rt. # and Sec. Building #17
14. Region N.E.	15. Park Hopewell Village National Historic Site		17. PCP Index No. B-116-1
16. Project Restoration of Spring-Wash House		Berks (County) Penna. (State)	18. P. S. & S. by BPR 67 NPS 87

- CLASS (A) - Estimate based on working drawings
 CLASS (B) - Estimate based on preliminary plans
 CLASS (C) - Estimate based on similar facilities in other parks

19. ESTIMATE

Item	Quantity	Cost
Restoration of Spring-Wash House as determined by architectural investigation.	1 - P.L.S.	12,500
Breakdown of other Costs:		
Architectural Research	2,500	
Historic Furnishings	1,000	
Total	\$3,500	
Estimate Totals		
Construction		\$ 12,500
Plans, Surveys, and Supervision		\$ 1,840
Contingencies		\$ 760
SUB TOTAL		\$ 15,100
Exhibits, Aud.-Vis. Installations, Etc.		\$ 3,500
GRAND TOTAL		\$ 18,600

HISTORIC STRUCTURES REPORT

HISTORICAL DATA

PART I

SPRING HOUSE - BUILDING #17

Survey Report on Hopewell's Spring House.

DESCRIPTION

The Spring House, Building 17, is about 110 feet ^{south}~~north~~ east of the Big House and about 90 feet east of the Barn. Approximately 15 x 40 feet, this masonry and frame structure consists of two main masonry parts, an older section of 15 x 23 feet and an addition to the east of 15 x 17 feet.¹ These are the spring and "lard kitchen"² sections but spring water flows through the spring section only. Interior doors link these parts. Each section has an entrance door to the west. Historian Apple suggested that the masonry and framed entranceway at the northern exterior door, approximately 7 x 14½ feet, was a later addition, probably added when erosion threatened to contaminate the spring by the flow of surface water through an unprotected doorway.³

Except for the chimney of the "lard kitchen", the masonry walls are eave high; board siding covers the gables. The roof is shingle.⁴

INTERIOR

The arrangements of the interior sections almost match the exterior construction. The original Spring House portion has a 12½ x 6 foot entrance area and a 12½ x 12 foot cooling section, separated by a masonry wall. The "lard kitchen" is 12½ x 15. A stone fireplace covers the southeast corner of this room. Two interior doors allow passage from section to section.



Visitor's View of the Spring House



Concrete floor in Spring Section

A floored "attic" covers the entire interior. There is an exterior access door to this attic from the north. The attic floor (or room ceiling) is not one level, being higher over the "lard kitchen". However, the possibility exists that the original (or an older) ceiling exists in that end; there are narrower and more modern boards in the floor of the spring end.

AGE OF BUILDING 17

The older Spring House may date from 1806-1807, when Hopewell Records pay a mason for erecting a Spring House.⁵ Historian Apple held that the perches of masonry charged in 1806 about equalled the original portion of the existing structure. A carpenter bill for work on the Spring House at the 1806 period also exists.⁶

That an earlier but smaller Spring House existed or that the spring was earlier used than 1806 are strong possibilities. No date is known or suggested for the "lard kitchen" or the entranceway. However, an 1832 payment for "plastering the Spring House" may refer to the "lard kitchen".⁷

FEATURES - USE

No definite usage for the smaller entrance spring section exists. Without doubt, it furnished drinking water to the house and the working force before an 1816 pump provided water to the back yard of the Big House.⁸ Possibly, this section remained open day and



Concrete floor in Lari Kitchen



Modern concrete steps out of the Spring House

night for the convenience of the work force while the adjacent storage section may have been kept locked. The "cupboard" back of the entrance door is a nine or ten plate stove of an unknown date. Its large size suggests that this stove is early. Hopewell made stoves long before 1806. The only traditional use recorded for the cooling area is milk storage.⁹

"LARD KITCHEN"

The fireplace in the "lard kitchen" heated water for washing clothing, for hog butchering, for rendering lard, for making soap and for cooking applebutter. The ceiling of this section is greasy and black, "a heavy glistening accumulation of oils and soot".¹⁰ Within the fireplace is a kettle on a stand (there in 1935),¹¹ a chimney jack and (in the chimney) two pigs of iron which support kettles over the fireplace.

Shelving once existed in the northeast corner of this room.¹² Tradition reports the use of this "lard kitchen" and the attic as a dwelling at an unstated time.¹³ The door through the masonry from the cooling section into the "lard kitchen" may be of the late period. "Two interior door casings and doors in the Spring House were rebuilt and repaired" in January 1949.¹⁴

WATER SYSTEM

That Hopewell installed a hydraulic ram water system in 1850 is documented by Records and tradition. However, the precise location

of the ram is unknown. A former Hopewell collier from a long-time Hopewell family located the ram between the Spring House and the Tail Race.¹⁵

ANACHRONISM, CONCRETE FLOOR AND STEPS

A concrete floor, curbing at the spring sections and steps leading out of the "lard kitchen" are modern. Former Big House tenants date the concrete from 1912 to 1916.¹⁶ A yet older former resident recalled being scolded severely for "throwing water on the stones of the Spring House floor" while a student at the pre-1872 Hopewell School.¹⁷ Later, boards may have laid over this stone floor.¹⁸

Basically, the removal of the concrete steps, floor and curbs and replacement with flagstone would return the Spring House to a period suitable with Village purposes.

ARCHEOLOGY

There has been no archeology at the Spring House.¹⁹ Early roof material (tile was commonly used), traces of the wooden 1816 pump and the 1850 hydraulic ram water lines as well as erection and use clues may be benefits from archeological exploration.

Footnotes for Survey Report of Hopewell's Spring House

1. Measurements are from Blueprint, Drawing NHS-HV - 2060 Addition to the Spring House n.d. Cited hereafter as Blueprint.
2. "Lard kitchen" as a term at Hopewell is NOT mentioned in the H2215 Interviews. First usage located is by Historian Dennis C. Kurjack in the Monthly Narrative Report of June 1, 1949. The usage is appropriate since the butchering of many hogs was an annual event in the historic period.
3. Russell A. Apple, Documentation for the Historical Base Maps, 1830-1840 Part of the Master Plan (1956) page II-60. Hereafter cited as Apple. This entrance had been raised "for convenience" sometime in the 1940's but was lowered six inches to its (present) historical level in March 1948. Dennis C. Kurjack Monthly Narrative Report for March 1948, p 2.
4. Last replaced by local contractor, Hopewell-born Sheridan (Sherd) Painter in 1955 at a cost of \$498.00. Requisition 96, May 9, 1955.
5. Hopewell Record, SM 45M, Dec. 19, 1806 and SM 4, Dec. 20, 1806.
6. Apple, Pg. II-60 and Hopewell Record, SM 45M, May 13, 1807.
7. Hopewell Record, SM 17, Mar. 22, 1832.
8. Ibid., SM 7, Dec. 23 and 24, 1816.
9. H2215 Interview Miss Rose Sands and Mrs. Rhoads.
10. J. F. C. Motz, Historic Base Map, 1941 #17 Spring House.
11. Roy E. Appleman, Report French Creek Area, Aug. 19, 1935. Pg. 29.
12. H2215 Interview Mrs. Daniel (Violet) Care. p 5.
13. Ibid., and H2215 Interview H.H. Huston and Mrs. Mary Krewson, p 2. This brother and sister lived in the Big House in the 1880's and were members of a Hopewell employee's family.
14. H2215 Interview Corbin Miller. This man, who lived at Hopewell

from 1891 to 1916, told that there was NO door from the south room ["lard kitchen"] into the other [room]. The rebuilt and repaired statement is from the Superintendent's Monthly Narrative Report for Jan. 1949, p 1 & 2.

15. Hopewell Record, SM 31, Mar. 29, 1850 and Drawing, Studies of the Old Hopewell Furnace and Village by Lafayette Houck, Dec. 1936. Map 1-23A. c
16. H2215 Interview Mrs. Daniel (Violet) Care, p 5 and H2215 Interview Grace Styer. In H2215 Interview Mrs. Handwerk and Mrs. Loomis these Miller sisters tell that the pre-1916 building had a board floor in the spring portion. Their brother, in H2215 Interview Corbin Miller, related that there was NOT a concrete floor.
17. H2215 Interview Miss Rose Sands and Mrs. Rhoads.
18. H2215 Interview Mrs. Handwerk and Mrs. Loomis.
19. Whether the "Addition to the Spring House", or an underground concrete chamber suggested by Blueprint, was constructed or not is unknown.

HISTORIC STRUCTURES REPORT
PART I
ARCHITECTURAL DATA SECTION
ON
RESTORATION
OF
SPRING HOUSE AND WASH HOUSE
Hopewell Village National Historic Site

Prepared by
Norman M. Souder
Architect
May 1964

for

United States Department of the Interior, National Park Service
Eastern Office, Design and Construction
Division of Architecture

HISTORIC STRUCTURES REPORT

PART I

ARCHITECTURAL DATA SECTION

ON

RESTORATION

OF

SPRING HOUSE AND WASH HOUSE

Hopewell Village National Historic Site

A P P R O V A L S H E E T

RECOMMENDED

Superintendent Date _____

H. K. Reed Smith

Chief, EODC, Acting Date 5-13-64

Regional Director, Northeast Region Date _____

APPROVED

Director Date _____

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I. FOREWORD

The building known as the Spring House is in reality a combined Spring House and Wash House. As a part of the Ironmaster's House group it has been popular with visitors due to the constant stream of spring water flowing the length of the building.

During the winter of 1963 and 1964 the late period concrete flooring was removed as an A.P.W. project. What at first appeared to be a simple reflooring job was complicated by the fact that in the search for signs of original flooring it was found that the late floor levels were not the original.

When the C.C.C. crew removed the original flooring to pour the concrete floor, the level of the Wash House floor in the annex was lowered to the level of the Spring House and a door opening cut through the stone wall between the two south rooms. At this time the stream was discontinued through the Wash House and carried through a drain to the exterior.

It was decided that when the concrete was removed the historic floor levels and flooring be restored together with the interior.

The only drawing of the Spring House on file is NHS-HV 2060, sheet 1 of 1, "Addition to Spring House." This drawing, dated March 20, 1941, was made for the construction of a water control tank below grade level on the north end of the building.

No measured drawings were made of the structure by the student teams who had recorded most of the buildings at Hopewell. It will be necessary to have measured drawings of existing conditions made before the architectural investigation is begun.

It was through the interest of Superintendent Zerbey and Maintenance Chief Charles Seidel, a former Buildings Restoration Specialist, that attention was called to the evidence of changes to the Spring House.

Through the interviews by the Park staff with Mrs. Handwork and Charles Sheridan Painter, who lived at Hopewell in their youth, the evidence of the features in the Wash House annex were substantiated.

At present the actual building date is not known. With no other than the physical evidence the structure may be temporarily dated as having been built in the early nineteenth century.

Norman M. Souder
Architect
May 1964

II. EXISTING CONDITIONS - EXTERIOR

A. Walls

The 16'-14" x 40' Spring House is located in the side of the hill to the southeast of the Ironmasters House. The walls are of rubble field stone masonry, eighteen inches thick. The whitewashing of the interior and exterior surfaces of the walls is consistent with the same treatment on most of the other Hopewell structures.

The original Spring House is clearly outlined by the vertical joints on the east and west faces. The Wash House was added to the south end of the Spring House sometime after the Spring House was built.

The full north gable and half of the south gable are sided with vertical wood boarding. A board and batten door in the north gable leads to the loft area.

B. Roof

The present roofing material is wood shingle. An archeological dig around the perimeter of the building, done in an attempt to find traces of Dutch clay tiles, reported to have covered the original roof, failed to reveal any roofing material other than wood shingles.

C. Entry

A long shingled, hood roof covers the exterior stone stair to the Spring House entrance. The date of this addition is not known. It is apparently not an original feature.

D. Exterior Finish

As is the case with most of the outbuildings at Hopewell, the exterior trim is painted with red iron oxide paint.

III. INTERIOR

The interior is divided into three rooms. The entrance gives access to a small room at the spring opening where water was obtained. The next room with the long trough was used as a milk cooling room. The south room, or annex, was used as a laundry room with the spring pit running under a wood floor and the "water box" for the drawing of water for laundry use located next to the fireplace. The large fireplace with a simple mantel shelf was equipped with large cauldrons hung on trammels for heating the water.

a. Fenestration

A small window is located in each of the east and west walls of the central room and another in the east wall of the Wash House.

b. Doors

Board and batten doors are used throughout. Beside the entrance to the Spring House, noted above, an entrance to the Wash House is located on grade level on the west front.

c. Interior Finish

The stone walls are roughly plastered on the interior and have been kept whitewashed.

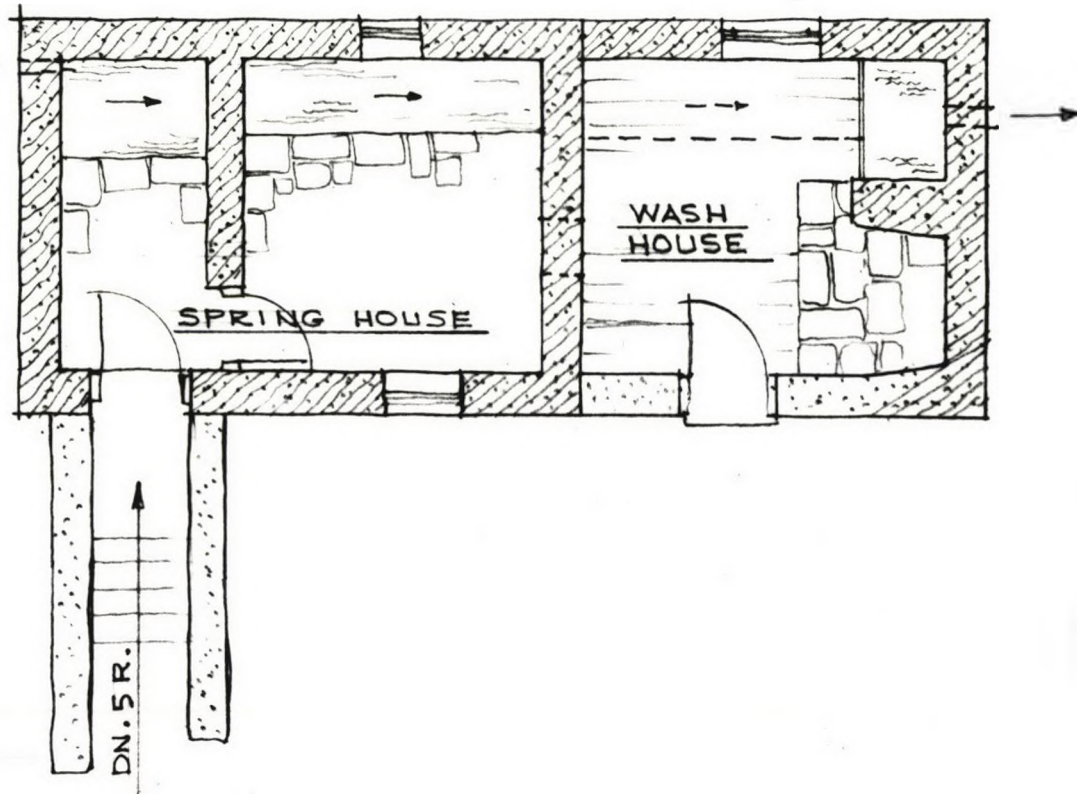
IV. RECOMMENDATIONS

A restoration of the interior to its original condition as indicated by architectural evidence is recommended. Before working drawings can be prepared, Architectural research will be required to record the evidence.

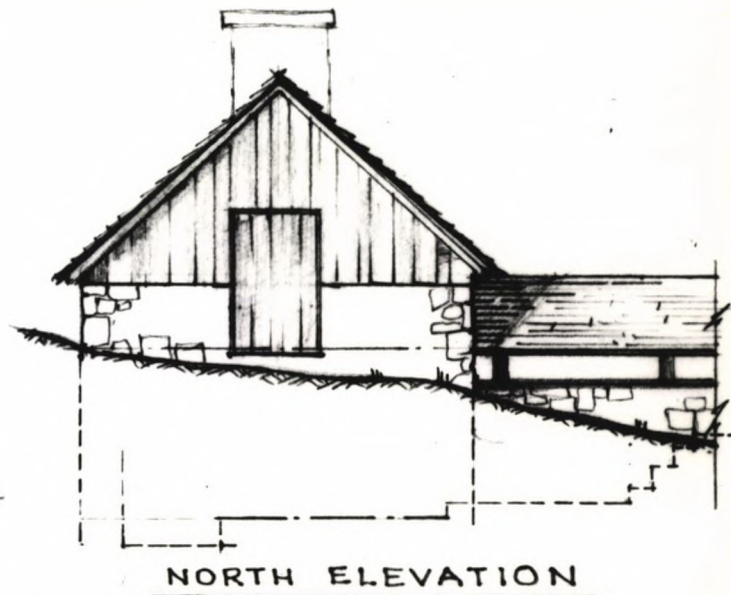
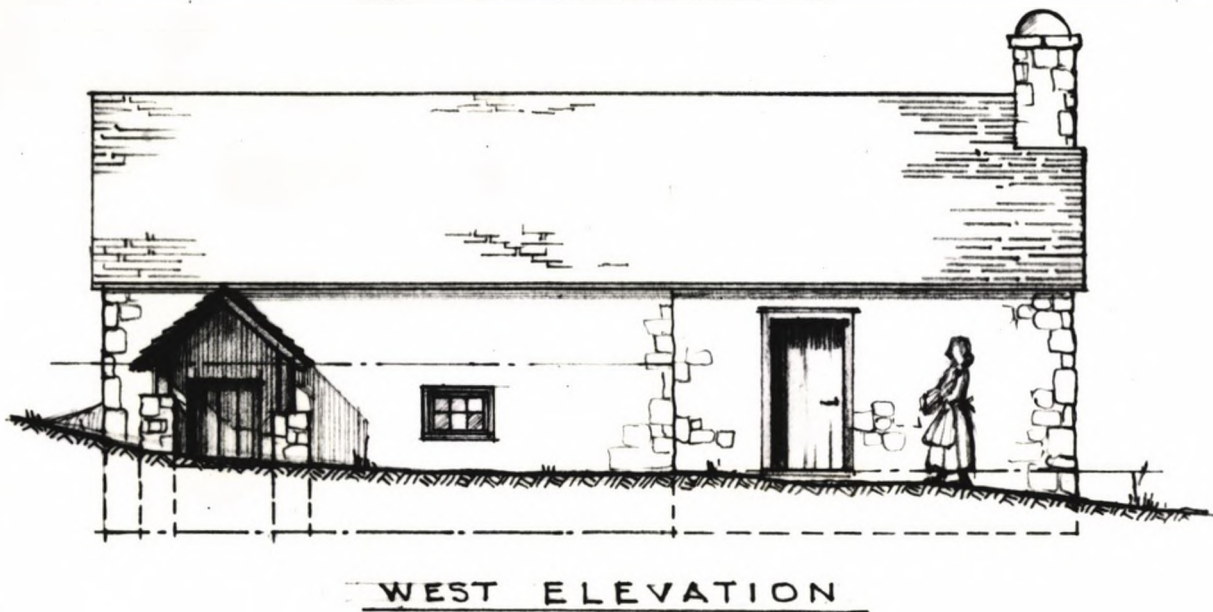
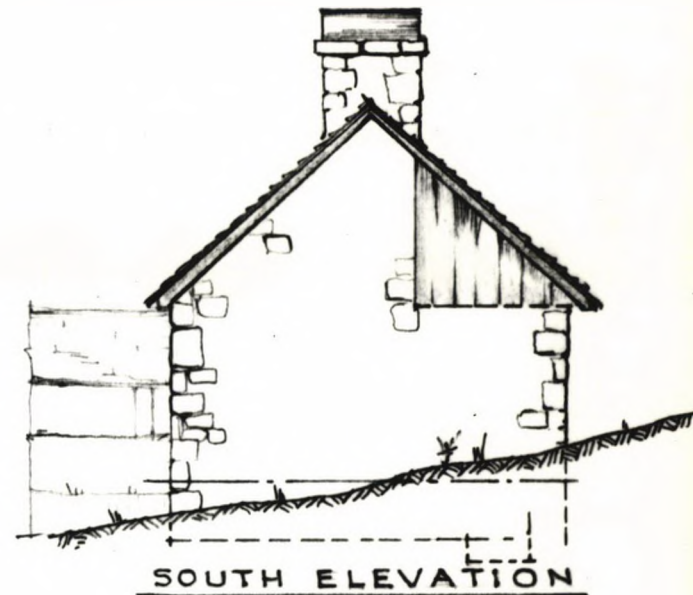
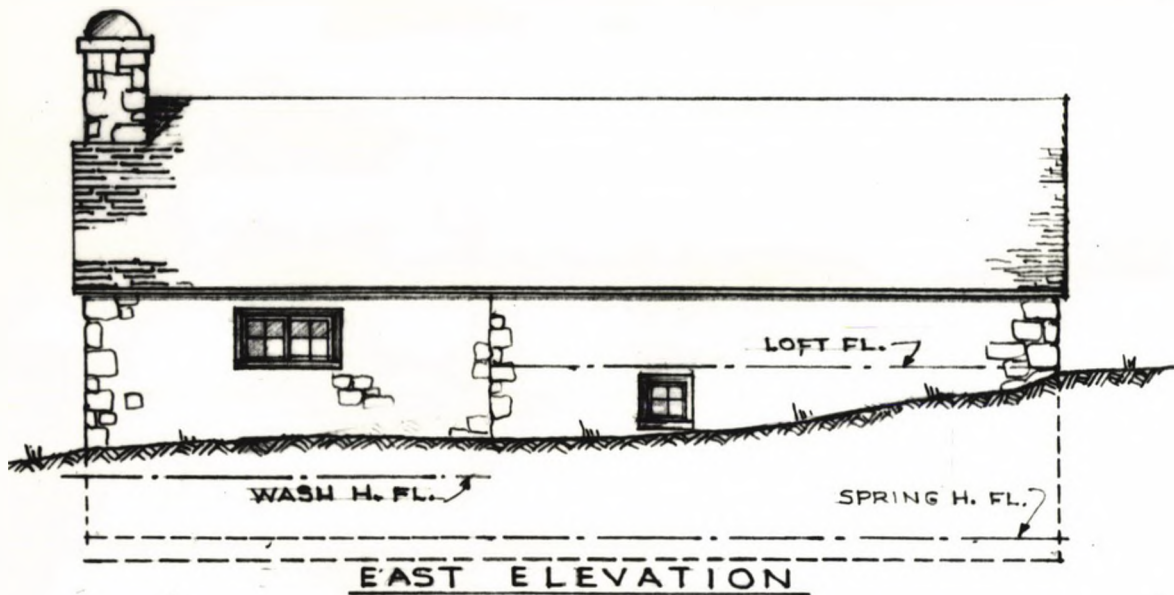
It is intended that the interior be restored to its original condition. This will include the flooring in both the Spring House and Wash House areas.

It is estimated that approximately \$2,500.00 will be required to complete the Architectural research for the Part II portion of the Historic Structures Report.

DIRECTION OF
WATER FLOW →



SPRING HOUSE - WASH HOUSE - PLAN



SPRING HOUSE-WASH HOUSE ELEVATIONS
 HOPEWELL VILLAGE, N.H.S.